

Ohlasy / Citations, reviews

Institute: SAVEXFYZ - Ústav experimentálnej fyziky SAV

Date of citation, review: 2015~2020

Big Collaborations

Citations, reviews

Citations in Web of Science Core Collection (1.1, 2.1)	19985
Citations in SCOPUS (1.2, 2.2)	9

Count	19994
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ADCA Scientific papers in foreign journals registered in Current Contents Connect with IF (impacted)

ADCA01 AKTAS, A. - BRUNCKO, Dušan - FERENCEI, Jozef - MURÍN, Pavol - TOMASZ, Filip. A determination of electroweak parameters at HERA. In *Physics Letters B*, 2006, vol. 632, no. 1, p. 35-42. (2005: 5.301 - IF, Q1 - JCR, 2.980 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2005.10.03>

Ohlasy:

1. [1.1] GORBUNOV, I. N. - SHMATOV, S. V. Investigation of Drell-Yan processes in the CMS at the LHC. In *PHYSICS OF ATOMIC NUCLEI*. ISSN 1063-7788, 2015, vol. 78, no. 5, pp. 603-607., Registrované v: WOS

ADCA02 AKTAS, A. - BRUNCKO, Dušan - FERENCEI, Jozef - MURÍN, Pavol - TOMASZ, Filip. A direct search for stable magnetic monopoles produced in positron-proton collisions at HERA. In *European Physical Journal C*, 2005, vol. 41, no. 2, p. 133-141. (2004: 3.486 - IF, Current Contents - CCC). (2005 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s2005-02201-6>

Ohlasy:

1. [1.1] PATRIZII, L. - SPURIO, M. Status of Searches for Magnetic Monopoles. In *ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE*, VOL 65. ISSN 0163-8998, 2015, vol. 65, pp. 279-302., Registrované v: WOS

ADCA03 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. A measurement of the calorimeter response to single hadrons and determination of the jet energy scale uncertainty using LHC Run-1 pp-collision data with the ATLAS detector. In *European Physical Journal C*, 2017, vol. 77, no. 1, art. no. 26. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4580-0>

Ohlasy:

1. [1.1] ELVIRA, V.D. Impact of detector simulation in particle physics collider experiments - highlights. In *23RD INTERNATIONAL CONFERENCE*

ON COMPUTING IN HIGH ENERGY AND NUCLEAR PHYSICS (CHEP 2018). ISSN 2100-014X, 2019, vol. 214., Registrované v: WOS

2. [1.1] FREYTSIS, M. - HARRIS, P. - HINZMANN, A. - MOULT, I. - TRAN, N. - VERNIERI, C. Prospects for a measurement of the W boson mass in the all-jets final state at hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 1 2019, no. 2., Registrované v: WOS

ADCA04 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. A measurement of the ratio of the production cross sections for W and Z bosons in association with jets with the ATLAS detector. In *European Physical Journal C*, 2014, vol. 74, no. 12, art. no. 3168. (2013: 5.436 - IF, Q1 - JCR, 2.323 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-014-3168-9>

Ohlasy:

1. [1.1] ALEEDANESHVAR, A. - KHORRAMIAN, A. The impact of CMS inclusive jet data on parton distribution functions and their uncertainties. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 22, art. no. 1750134., Registrované v: WOS

2. [1.1] ANGER, F. R. - CORDERO, F. Febres - HOICHE, S. - MAITRE, D. Weak vector boson production with many jets at the LHC root s=13 TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 096010., Registrované v: WOS

3. [1.1] BERN, Z. - DIXON, L. J. - FEBRES CORDERO, F. - HOICHE, S. - ITA, H. - KOSOWER, D. A. - MAITRE, D. Extrapolating W-associated jet-production ratios at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 014008., Registrované v: WOS

4. [1.1] GEHRMANN-DE RIDDER, A. - GEHRMANN, T. - GLOVER, E.W.N. - HUSS, A. - WALKER, D.M. Vector boson production in association with a jet at forward rapidities. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 20 2019, vol. 79, no. 6., Registrované v: WOS

5. [1.1] GOHARIPOUR, Muhammad - MEHRABAN, Hossein. Study of isolated prompt photon production in p-Pb collisions for the ALICE kinematics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 054002., Registrované v: WOS

6. [1.1] HANNESTAD, S. - WONG, Y.Y.Y. Fitting functions on the cheap: the relative nonlinear matter power spectrum. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, MAR 2020, no. 3., Registrované v: WOS

7. [1.1] CHIESA, Mauro - GREINER, Nicolas - TRAMONTANO, Francesco. Automation of electroweak corrections for LHC processes. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 1, art. no. 013002., Registrované v: WOS

8. [1.1] KALLWEIT, S. - LINDERT, J. M. - MAIERHOEFER, P. - POZZORINI, S. - SCHOENHERR, M. NLO QCD plus EW predictions for V plus jets including off-shell vector-boson decays and multijet merging. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 021., Registrované v: WOS

ADCA05 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. A measurement of the

ratio of the W and Z cross sections with exactly one associated jet in pp collisions at root s=7 TeV with ATLAS. In *Physics Letters B*, 2012, vol. 708, no. 3-5, p. 221-240. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2012.01.042>

Ohlasy:

1. [1.1] ANGER, F. R. - CORDERO, F. Febres - HOCHÉ, S. - MAITRE, D. Weak vector boson production with many jets at the LHC root s=13 TeV. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 096010., Registrované v: WOS

ADCA06 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. A neural network clustering algorithm for the ATLAS silicon pixel detector. In *Journal of Instrumentation*, 2014, vol. 9, art. no. P09009. (2013: 1.526 - IF, Q2 - JCR, 0.708 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1748-0221.

Ohlasy:

1. [1.1] ANDREASSEN, A. - FEIGE, I. - FRYE, C. - SCHWARTZ, M.D. JUNIPR: a framework for unsupervised machine learning in particle physics. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, FEB 1 2019, vol. 79, no. 2., Registrované v: WOS
2. [1.1] PEDERSEN, Keith - SULLIVAN, Zack. mu(x) boosted-bottom-jet tagging and Z ' boson searches. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2016, vol. 93, no. 1, art. no. 014014., Registrované v: WOS
3. [1.1] VAN SCHAYCK, J.P. - VAN GENDEREN, E. - MADDOX, E. - ROUSSEL, L. - BOULANGER, H. - FROJDH, E. - ABRAHAMS, J.P. - PETERS, P.J. - RAVELLI, R.B.G. Sub-pixel electron detection using a convolutional neural network. In *ULTRAMICROSCOPY*. ISSN 0304-3991, NOV 2020, vol. 218., Registrované v: WOS

ADCA07 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. A new method to distinguish hadronically decaying boosted Z bosons from W bosons using the ATLAS detector. In *European Physical Journal C*, 2016, vol. 76, no. 5, art. no. 238. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4065-1>

Ohlasy:

1. [1.1] PIERCE, Aaron - SHAKYA, Bibhushan. Implications of a stop sector signal at the LHC. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2018, no. 6, art. no. 091., Registrované v: WOS
2. [1.1] TRIPATHEE, Aashish - XUE, Wei - LARKOSKI, Andrew - MARZANI, Simone - THALER, Jesse. Jet substructure studies with CMS open data. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074003., Registrované v: WOS

ADCA08 AAD, G. - ABAJYAN, T. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. A Particle Consistent with the Higgs Boson Observed with the ATLAS Detector at the Large Hadron Collider. In *Science*, 2012, vol. 338, no. 6114,

p. 1576-1582. (2011: 31.201 - IF, Q1 - JCR, 14.238 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 0036-8075. Dostupné na: <https://doi.org/10.1126/science.1232005>

Ohlasy:

1. [1.1] ALLANACH, Ben C. Multiple solutions in supersymmetry and the Higgs. In PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-503X, 2015, vol. 373, no. 2032, art. no. 20140035., Registrované v: WOS
2. [1.1] ANAGNOSTOPOULOS, F.K. - BASILAKOS, S. - KOFINAS, G. - ZARIKAS, V. Constraining the Asymptotically Safe cosmology: cosmic acceleration without dark energy. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, FEB 2019, no. 2., Registrované v: WOS
3. [1.1] BALL, Austin. Technical challenges of the Large Hadron Collider experiments (ATLAS and CMS). In PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-503X, 2015, vol. 373, no. 2032, art. no. 20140045., Registrované v: WOS
4. [1.1] BRAMBILLA, N. - EIDELMAN, S. - HANHART, C. - NEFEDIEV, A. - SHEN, C.P. - THOMAS, C.E. - VAIRO, A. - YUAN, C.Z. The XYZ states: Experimental and theoretical status and perspectives. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, AUG 20 2020, vol. 873, p. 1-154., Registrované v: WOS
5. [1.1] CAVALLARI, Francesca. New Physics requirements and technological challenges to be confronted by calorimeters in particle physics. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2015, vol. 10, art. no. C09002., Registrované v: WOS
6. [1.1] DI GIOVANNI, F. - FAKHRY, S. - SANCHIS-GUAL, N. - DEGOLLADO, J.C. - FONT, J.A. Dynamical formation and stability of fermion-boson stars. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 27 2020, vol. 102, no. 8., Registrované v: WOS
7. [1.1] DISSERTORI, G. The pre-LHC Higgs hunt. In PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-503X, 2015, vol. 373, no. 2032, art. no. 20140039., Registrované v: WOS
8. [1.1] FONG, Chee Sheng - MINAKATA, Hisakazu - PANES, Boris - FUNCHAL, Renata Zukanovich. Possible interpretations of IceCube high-energy neutrino events. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 2, art. no. 189., Registrované v: WOS
9. [1.1] GAINER, James S. - GONZALEZ-ALONSO, Martn - GRELJO, Admir - ISAKOVIC, Senad - ISIDORI, Gino - KORYTOV, Andrey - LYKKEN, Joseph - MARZOCCA, David - MATCHEV, Konstantin T. - MILENOVIC, Predrag - MITSELMAKHER, Guenakh - MRENNNA, Stephen - PARK, Myeonghun - RINKEVICIUS, Aurelijus - SELIMOVIC, Nudzeim. Adding pseudo-observables to the four-lepton experimentalist's toolbox. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 073., Registrované v: WOS
10. [1.1] JEGERLEHNER, Friedrich. Quantum Field Theory and Quantum Electrodynamics. In ANOMALOUS MAGNETIC MOMENT OF THE

- MUON, 2ND EDITION. ISSN 0081-3869, 2017, vol. 274, pp. 23-161.,
 Registrované v: WOS
11. [1.1] JEGERLEHNER, Friedrich. Lepton Magnetic Moments: Basics. In ANOMALOUS MAGNETIC MOMENT OF THE MUON, 2ND EDITION. ISSN 0081-3869, 2017, vol. 274, pp. 163-246., Registrované v: WOS
 12. [1.1] JEGERLEHNER, Friedrich. Electromagnetic and Weak Radiative Corrections. In ANOMALOUS MAGNETIC MOMENT OF THE MUON, 2ND EDITION. ISSN 0081-3869, 2017, vol. 274, pp. 249-342.,
 Registrované v: WOS
 13. [1.1] JEGERLEHNER, F. The Hierarchy Problem and the Cosmological Constant Problem Revisited Higgs Inflation and a New View on the SM of Particle Physics. In FOUNDATIONS OF PHYSICS. ISSN 0015-9018, SEP 2019, vol. 49, no. 9, SI, p. 915-971., Registrované v: WOS
 14. [1.1] KANZI, S. - SAKALLI, I. GUP modified Hawking radiation in bumblebee gravity. In NUCLEAR PHYSICS B. ISSN 0550-3213, SEP 2019, vol. 946., Registrované v: WOS
 15. [1.1] LINDERMAN, Scott W. - GERSHMAN, Samuel J. Using computational theory to constrain statistical models of neural data. In CURRENT OPINION IN NEUROBIOLOGY. ISSN 0959-4388, 2017, vol. 46, pp. 14-24.,
 Registrované v: WOS
 16. [1.1] MODAK, Tanmoy - SRIVASTAVA, Rahul. Probing anomalous Higgs couplings in $H \rightarrow ZV$ decays. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2017, vol. 32, no. 3, art. no. 1750004., Registrované v: WOS
 17. [1.1] NATH, Pran. Supersymmetry after the Higgs. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2016, vol. 528, no. 1-2, pp. 167-178.,
 Registrované v: WOS
 18. [1.1] NATH, P. Supersymmetry unification, naturalness, and discovery prospects at HL-LHC and HE-LHC. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 21, SI, p. 3047-3059., Registrované v: WOS
 19. [1.1] OLAH, George A. - MATHEW, Thomas - PRAKASH, G. K. Surya. Relevance and Significance of Extraterrestrial Abiological Hydrocarbon Chemistry. In JOURNAL OF THE AMERICAN CHEMICAL SOCIETY. ISSN 0002-7863, 2016, vol. 138, no. 22, pp. 6905-6911., Registrované v: WOS
 20. [1.1] PANES, Boris. Possible Interpretations of IceCube High-Energy Neutrino Events. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2015, vol. 267, pp. 123-130., Registrované v: WOS
 21. [1.1] PASECHNIK, Roman - KOPELIOVICH, Boris - POTASHNIKOVA, Irina. Diffractive Higgsstrahlung. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 094014., Registrované v: WOS
 22. [1.1] QUIGG, Chris. Electroweak Symmetry Breaking in Historical Perspective. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 65. ISSN 0163-8998, 2015, vol. 65, pp. 25-42., Registrované v: WOS
 23. [1.1] QUIGG, Chris. Particle physics after the Higgs boson discovery: opportunities for the Large Hadron Collider. In CONTEMPORARY PHYSICS. ISSN 0010-7514, 2016, vol. 57, no. 2, pp. 177-187., Registrované v: WOS
 24. [1.1] Search for New Phenomena in Events with Large Jet Multiplicities. In HIGH JET MULTIPLICITY PHYSICS AT THE LHC. ISSN 2190-5053, 2016, pp. 43-101., Registrované v: WOS

25. [1.1] STUESSY, T.F. Challenges facing systematic biology. In TAXON. ISSN 0040-0262, AUG 2020, vol. 69, no. 4, p. 655-667., Registrované v: WOS
26. [1.1] SYSKA, J. The weak bound state with the non-zero charge density as the LHC 126.5 GeV state. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, 2016, vol. 47, no. 5, pp. 838-862., Registrované v: WOS
27. [1.1] Theoretical Overview. In HIGH JET MULTIPLICITY PHYSICS AT THE LHC. ISSN 2190-5053, 2016, pp. 1-24., Registrované v: WOS
28. [1.1] TORRENTE-LUJAN, E. The Higgs and top mass coincidence problem. In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, art. no. 05015., Registrované v: WOS
29. [1.1] TORRENTE-LUJAN, E. The Higgs mass coincidence problem. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 2451-2453., Registrované v: WOS
30. [1.1] WANG, Daifeng - YAN, Koon-Kiu - ROZOWSKY, Joel - PAN, Eric - GERSTEIN, Mark. Temporal Dynamics of Collaborative Networks in Large Scientific Consortia. In TRENDS IN GENETICS. ISSN 0168-9525, 2016, vol. 32, no. 5, pp. 251-253., Registrované v: WOS

ADCA09 AARON, F.D. - BRUNCKO, Dušan - FERENCÉI, Jozef - MURÍN, Pavol - TOMASZ, Filip. A precision measurement of the inclusive ep scattering cross section at HERA. In *European Physical Journal C*, 2009, vol. 64, no. 4, p. 561-587. (2008: 2.805 - IF, Q2 - JCR, 1.974 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-009-1169-x>

Ohlasy:

1. [1.1] BOURRELY, Claude - SOFFER, Jacques. New developments in the statistical approach of parton distributions: Tests and predictions up to LHC energies. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 941, pp. 307-334., Registrované v: WOS
2. [1.1] LOU LI-YANG - RUAN JIAN-HONG. A New Research about Pion Parton Distribution Function. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2015, vol. 32, no. 5, art. no. 051201., Registrované v: WOS
3. [1.1] ORLANDO, Nicola. Impact of ATLAS measurements on PDFs. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. UNSP 07002., Registrované v: WOS

ADCA10 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABELOOS, B. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. A search for an excited muon decaying to a muon and two jets in pp collisions at root s=8 TeV with the ATLAS detector. In *New Journal of Physics*, 2016, vol. 18, no. 7, art. no. 073021. (2015: 3.570 - IF, Q1 - JCR, 2.330 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1367-2630. Dostupné na: <https://doi.org/10.1088/1367-2630/18/7/073021>

Ohlasy:

1. [1.1] CALISKAN, A. - KARA, S. O. - OZANSOY, A. Excited Muon

Searches at the FCC-Based Muon-Hadron Colliders. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, art. no. 1540243., Registrované v: WOS

ADCA11 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at $\sqrt{s}=7$ TeV. In *Journal of High Energy Physics*, 2012, vol. 2012, no. 9, art. no. 139. (2011: 5.831 - IF, 1.902 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP09\(2012\)139](https://doi.org/10.1007/JHEP09(2012)139)

Ohlasy:

1. [1.1] ALICI, E. - KOKSAL, M. Probing the anomalous tq gamma couplings through single top production at the future lepton-hadron colliders. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, NOV 30 2019, vol. 34, no. 36., Registrované v: WOS
2. [1.1] DAVIDSON, Sacha - MANGANO, Michelangelo L. - PERRIES, Stephane - SORDINI, Viola. Lepton flavour violating top decays at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 450., Registrované v: WOS
3. [1.1] FREYTSIS, Marat - LIGETI, Zoltan - RUDERMAN, Joshua T. Flavor models for $(B)\overline{D} \rightarrow D^{(*)}\tau(\nu)\overline{\tau}$. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 054018., Registrované v: WOS
4. [1.1] GOLDOUZIAN, Reza. Search for top quark flavor changing neutral currents in same-sign top quark production. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 014022., Registrované v: WOS
5. [1.1] SHI, L.S. - ZHANG, C. Probing the top quark flavor-changing couplings at CEPC * * Supported by CNRS via the LIA FCPPL, by the CEPC theory study grant, and by IHEP (Y7515540U1). In CHINESE PHYSICS C. ISSN 1674-1137, NOV 2019, vol. 43, no. 11., Registrované v: WOS
6. [1.1] SOUTH, David M. - TURCATO, Monica. Review of searches for rare processes and physics beyond the Standard Model at HERA. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 6, art. no. 336., Registrované v: WOS

ADCA12 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. A search for high-mass resonances decaying to $\tau(+)\tau(-)$ in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *Physics Letters B*, 2013, vol. 719, no. 4-5, p. 242-260. (2012: 4.569 - IF, Q1 - JCR, 3.353 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] HAYRETER, Alper - VALENCIA, German. Spin correlations and new physics in tau-lepton decays at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 7, art. no. 174., Registrované v: WOS
2. [1.1] HAYRETER, Alper - VALENCIA, German. Higgs production constraints on anomalous fermion couplings. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 775-780., Registrované v: WOS

3. [1.1] HETZEL, Jamil - STECH, Berthold. Low-energy phenomenology of trinification: An effective left-right-symmetric model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 5, art. no. 055026., Registrované v: WOS
4. [1.1] SCHMALTZ, M. - ZHONG, Y.M. The leptoquark Hunter's guide: large coupling. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 15 2019, no. 1., Registrované v: WOS
5. [1.1] ZHAO, Shi-Yu - YUE, Chong-Xing - YU, You. The HZZ' Coupling and the Higgs-Strahlung Production $pp \rightarrow ZH$ at the LHC. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 2, pp. 648-657., Registrované v: WOS

ADCA13 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. A search for high-mass resonances decaying to $\tau(+)\tau(-)$ in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2015, vol. 2015, no. 7, art. no. 157. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP07\(2015\)157](https://doi.org/10.1007/JHEP07(2015)157)

Ohlasy:

1. [1.1] ALIKHANOV, I. - PASCHOS, E. A. Searching for new light gauge bosons at $e(+)\,e(-)$ colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115004., Registrované v: WOS
2. [1.1] ALLANACH, B.C. - DAVIGHI, J. Naturalising the third family hypercharge model for neutral current B-anomalies. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
3. [1.1] BARBIERI, Riccardo - MURPHY, Christopher W. - SENIA, Fabrizio. B-decay anomalies in a composite leptoquark model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 77, no. 1, art. no. 8., Registrované v: WOS
4. [1.1] BAUER, Martin - SCHELL, Torben - PLEHN, Tilman. Hunting the flavon. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 056003., Registrované v: WOS
5. [1.1] BENAVIDES, Richard H. - MUNOZ, Luis - PONCE, William A. - RODRIGUEZ, Oscar - ROJAS, Eduardo. Minimal nonuniversal electroweak extensions of the standard model: A chiral multiparameter solution. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115018., Registrované v: WOS
6. [1.1] DAS, Diganta - HATI, Chandan - KUMAR, Girish - MAHAJAN, Namit. Scrutinizing R-parity violating interactions in light of R-K(*) data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 095033., Registrované v: WOS
7. [1.1] FAROUGHY, Darius A. - GRELJO, Admir - KAMENIK, Jernej F. Confronting lepton flavor universality violation in B decays with high-p(T) tau lepton searches at LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 764, pp. 126-134., Registrované v: WOS
8. [1.1] FLOREZ, Andres - GURROLA, Alfredo - JOHNS, Will - DO OH, Young - SHELDON, Paul - TEAGUE, Dylan - WEILER, Thomas.

Searching for new heavy neutral gauge bosons using vector boson fusion processes at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 767, pp. 126-132., Registrované v: WOS

9. [1.1] GIDDINGS, Steven B. - ZHANG, Hao. Kaluza-Klein graviton phenomenology for warped compactifications, and the 750 GeV diphoton excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115002., Registrované v: WOS

10. [1.1] GRELJO, A. Flavour anomalies versus high-p(T) physics. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2017, vol. 40, no. 5, art. no. 188., Registrované v: WOS

11. [1.1] CHOUDHURY, Debajyoti - KUNDU, Anirban - MANDAL, Rusa - SINHA, Rahul. RK(*) and R(D(*)) anomalies resolved with lepton mixing. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 933, pp. 433-453., Registrované v: WOS

12. [1.1] KIM, C. S. - YUAN, Xing-Bo - ZHENG, Ya-Juan. Constraints on a Z' boson within minimal flavor violation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 095009., Registrované v: WOS

13. [1.1] KNAPEN, Simon - MELIA, Tom - PAPUCCI, Michele - ZUREK, Kathryn M. Rays of light from the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075020., Registrované v: WOS

14. [1.1] LLAMAS-BUGARIN, A. - GUTIERREZ-RODRIGUEZ, A. - HERNANDEZ-RUIZ, M. A. Probing the electromagnetic dipole moments of the tau-neutrino in the U(1)(B-L) model at the ILC and CLIC energies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 116008., Registrované v: WOS

15. [1.1] MANDAL, T. - MITRA, S. - RAZ, S. R-D(*) motivated S-1 leptoquark scenarios: Impact of interference on the exclusion limits from LHC data. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 21 2019, vol. 99, no. 5., Registrované v: WOS

ADCA14 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. A search for new physics in dijet mass and angular distributions in pp collisions at root s=7 TeV measured with the ATLAS detector. In *New Journal of Physics*, 2011, vol. 13, no. 5, art. no. 053044. (2010: 3.849 - IF, Q1 - JCR, 3.405 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1367-2630.

Ohlasy:

1. [1.1] EGANA-UGRINOVIC, D. - HOMILLER, S. - MEADE, P. Higgs bosons with large couplings to light quarks. In PHYSICAL REVIEW D. ISSN 1550-7998, DEC 23 2019, vol. 100, no. 11., Registrované v: WOS

2. [1.1] LI, Chong Sheng. Search for the Signal of Monotop Production at the Early LHC. In QCD HIGHER-ORDER EFFECTS AND SEARCH FOR NEW PHYSICS. ISSN 2190-5053, 2016, pp. 107-129., Registrované v: WOS

ADCA15 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. A search for pair-produced resonances in four-jet final states at root s=13 TeV with the ATLAS detector. In *European Physical Journal C*, 2018, vol. 78, no. 3, art. no. 250. (2017: 5.172 - IF, Q1 - JCR, 2.022 - SJR, Q1 - SJR, Current Contents - CCC). (2018

- Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na:
<https://doi.org/10.1140/epjc/s10052-018-5693-4>

Ohlasy:

1. [1.1] AEBISCHER, J. - CRIVELLIN, A. - GREUB, C. QCD improved matching for semileptonic B decays with leptoquarks. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 8 2019, vol. 99, no. 5., Registrované v: WOS
2. [1.1] BATELL, B. - VERHAAREN, C.B. Breaking mirror twin hypercharge. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 3 2019, no. 12., Registrované v: WOS
3. [1.1] CACCIAPAGLIA, G. - CONTE, E. - DEANDREA, A. - FUKS, B. - SHAO, H.S. LHC constraints and potential on resonant monotop production. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 25 2019, vol. 79, no. 2., Registrované v: WOS
4. [1.1] CLINE, J.M. - TOMA, T. Pseudo-Goldstone dark matter confronts cosmic ray and collider anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 26 2019, vol. 100, no. 3., Registrované v: WOS
5. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
6. [1.1] D'AGNOLO, R.T. - LOW, M. Disorder and mimesis at hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 28 2019, no. 8., Registrované v: WOS
7. [1.1] FARINA, M. - MONDINO, C. - PAPPADOPULO, D. - RUDERMAN, J.T. New physics from high energy tops. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 31 2019, no. 1., Registrované v: WOS
8. [1.1] FORNAL, Bartosz - GRINSTEIN, Benjamin. Dark Matter Interpretation of the Neutron Decay Anomaly. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 19, art. no. 191801., Registrované v: WOS
9. [1.1] GAILLARD, M. K. - GAVELA, M. B. - HOUTZ, R. - QUILEZ, P. - DEL REY, R. Color unified dynamical axion. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 11, art. no. 972., Registrované v: WOS
10. [1.1] CHALA, M. - LENZ, A. - RUSOV, A.V. - SCHOLTZ, J. Delta A(CP) within the Standard Model and beyond. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 26 2019, no. 7., Registrované v: WOS
11. [1.1] KIDONAKIS, Nikolaos. Total and Differential Cross Sections for Higgs and Top-Quark Production. In UNIVERSE. ISSN 2218-1997, 2018, vol. 4, no. 11, art. no. 121., Registrované v: WOS
12. [1.1] LI, J.M. - LI, T.J. - ZHANG, W.X. Least constrained supersymmetry with R-parity violation. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 14 2019, vol. 99, no. 3., Registrované v: WOS
13. [1.1] MARZOCCA, David. Addressing the B-physics anomalies in a fundamental Composite Higgs model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 121., Registrované v: WOS
14. [1.1] MONTEUX, Angelo - RAJARAMAN, Arvind. B anomalies and leptoquarks at the LHC: Beyond the lepton-quark final state. In PHYSICAL

REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115032.,
Registrované v: WOS

15. [1.1] PIERCE, A. - SHAKYA, B. Gaugino portal baryogenesis. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 19 2019, no. 6., Registrované v: WOS

16. [1.1] SMARANDA, D.D. - MILLER, D.J. Scherk-Schwarz orbifolds at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS

ADCA16 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. A search for prompt lepton-jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *Physics Letters B*, 2013, vol. 719, no. 4-5, p. 299-317. (2012: 4.569 - IF, Q1 - JCR, 3.353 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na:
<https://doi.org/10.1016/j.physletb.2013.01.034>

Ohlasy:

1. [1.1] BARELLO, G. - CHANG, Spencer - NEWBY, Christopher A. Correlated signals at the energy and intensity frontiers from non-Abelian kinetic mixing. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055018., Registrované v: WOS

2. [1.1] FALKOWSKI, Adam - SLONE, Oren - VOLANSKY, Tomer. Phenomenology of a 750 GeV singlet. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 2, art. no. 152., Registrované v: WOS

3. [1.1] FINKBEINER, Douglas P. - WEINER, Neal. X-ray line from exciting dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 8, art. no. 083002., Registrované v: WOS

4. [1.1] HAN, Chengcheng - KIM, Doyoun - MUNIR, Shoaib - PARK, Myeonghun. Accessing the core of naturalness, nearly degenerate higgsinos, at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 132., Registrované v: WOS

5. [1.1] CHAKRABORTY, Amit - IYER, Abhishek M. - ROY, Tuhin S. A framework for finding anomalous objects at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 932, pp. 439-470., Registrované v: WOS

6. [1.1] SAPETA, Sebastian. QCD and jets at hadron colliders. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 89, pp. 1-55., Registrované v: WOS

ADCA17 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. A search for prompt lepton-jets in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2016, vol. 2016, no. 2, art. no. 062. (2015: 6.023 - IF, Q1 - JCR, 1.343 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na:
[https://doi.org/10.1007/JHEP02\(2016\)062](https://doi.org/10.1007/JHEP02(2016)062)

Ohlasy:

1. [1.1] BARELLO, G. - CHANG, Spencer - NEWBY, Christopher A. - OSTDIEK, Bryan. Improving LHC searches for dark photons using lepton-jet substructure. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5,

art. no. 055007., Registrované v: WOS

2. [1.1] BLINOV, Nikita - IZAGUIRRE, Eder - SHUVE, Brian. Rare Z boson decays to a hidden sector. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 015009., Registrované v: WOS

3. [1.1] CESAROTTI, C. - SOREQ, Y. - STRASSLER, M.J. - THALER, J. - XUE, W. Searching in CMS open data for dimuon resonances with substantial transverse momentum. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 16 2019, vol. 100, no. 1., Registrované v: WOS

4. [1.1] DEPPISCH, F.F. - KULKARNI, S. - LIU, W. Searching for a light Z' through Higgs production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 11 2019, vol. 100, no. 11., Registrované v: WOS

5. [1.1] KIM, Minho - LEE, Hye-Sung - PARK, Myeonghun - ZHANG, Mengchao. Examining the origin of dark matter mass at colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 055027., Registrované v: WOS

6. [1.1] KROVI, A. - LOW, I. - ZHANG, Y. Higgs portal to dark QED. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 8 2020, vol. 102, no. 5., Registrované v: WOS

7. [1.1] LONGARINI, I. Search for Dark Photons decaying to Lepton-Jets with the ATLAS detector at the LHC. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, MAR-JUN 2020, vol. 43, no. 2-3., Registrované v: WOS

ADCA18 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. A search for resonances decaying into a Higgs boson and a new particle X in the XH - qqbb final state with the ATLAS detector. In *Physics Letters B*, 2018, vol. 779, p. 24-45. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.01.042>

Ohlasy:

1. [1.1] AGASHE, K. - COLLINS, J.H. - DU, P.Z. - HONG, S. - KIM, D. - MISHRA, R.K. Dedicated strategies for triboson signals from cascade decays of vector resonances. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 15 2019, vol. 99, no. 7., Registrované v: WOS

2. [1.1] BAUM, Sebastian - SHAH, Nausheen R. Two Higgs doublets and a complex singlet: disentangling the decay topologies and associated phenomenology. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 044., Registrované v: WOS

3. [1.1] LARKOSHI, Andrew J. - MOULT, Ian - NEILL, Duff. Factorization and resummation for groomed multi-prong jet shapes. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 144., Registrované v: WOS

ADCA19 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. A search for t(t)-over-bar resonances with the ATLAS detector in 2.05 fb(-1) of proton-proton collisions at root s=7 TeV. In *European Physical Journal C*, 2012, vol. 72, no. 7, art. no. 2083. (2011: 3.631 - IF, Q2 - JCR, 2.962 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1434-6044.

Ohlasy:

1. [1.1] WAGNER-KUHR, Jeannine. EXPERIMENTAL STUDIES OF TOP QUARK PRODUCTION. In ACTA PHYSICA SLOVACA. ISSN 0323-0465, 2016, vol. 66, no. 1, pp. 1-68., Registrované v: WOS
2. [1.1] WEI, Hua-Rong - LIU, Fu-Hu. A Study of Transverse Momentum Distributions of Jets Produced in p-p, p-(p)over-bar, d-Au, Au-Au, and Pb-Pb Collisions at High Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 263135., Registrované v: WOS

ADCA20 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABELOOS, B. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. A search for top squarks with R-parity-violating decays to all-hadronic final states with the ATLAS detector in root s=8 TeV proton-proton collisions. In *Journal of High Energy Physics*, 2016, vol. 2016, no. 6, art. no. 067. (2015: 6.023 - IF, Q1 - JCR, 1.343 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP06\(2016\)067](https://doi.org/10.1007/JHEP06(2016)067)

Ohlasy:

1. [1.1] BARDHAN, Debjyoti - BHATTACHARYYA, Gautam - GHOSH, Diptimoy - PATRA, Monalisa - RAYCHAUDHURI, Sreerup. Detailed analysis of flavor-changing decays of top quarks as a probe of new physics at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015026., Registrované v: WOS
2. [1.1] BLUM, Kfir - EFRATI, Aielet - FRUGIUELE, Claudia - NIR, Yosef. Exotic colored scalars at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 2, art. no. 104., Registrované v: WOS
3. [1.1] DERCKS, Daniel - DREINER, Herbi - KRAUSS, Manuel E. - OPFERKUCH, Toby - REINERT, Annika. R-parity violation at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 856., Registrované v: WOS
4. [1.1] ISHIWATA, Koji - YONEKURA, Yuki. Longitudinal W boson scattering in a light scalar top scenario. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015009., Registrované v: WOS
5. [1.1] LESKOW, Estefania Coluccio - D'AMBROSIO, Giancarlo - CRIVELLIN, Andreas - MUELLER, Dario. (g-2)(mu), lepton flavor violation, and Z decays with leptoquarks: Correlations and future prospects. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055018., Registrované v: WOS

ADCA21 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCÉI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. A search for t(t)over-bar resonances in lepton plus jets events with highly boosted top quarks collected in pp collisions at root s=7 TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2012, vol. 2012, no. 9, art. no. 041. (2011: 5.831 - IF, 1.902 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1029-8479.

Ohlasy:

1. [1.1] FREYTSIS, Marat - VOLANSKY, Tomer - WALSH, Jonathan R. Tagging partially reconstructed objects with jet substructure. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 769, pp. 333-338., Registrované v:

WOS

2. [1.1] LARKOSKI, Andrew J. - MOULT, Ian - NEILL, Duff. Building a better boosted top tagger. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 034035, Registrované v: WOS

3. [1.1] WEI, Hua-Rong - LIU, Fu-Hu. A Study of Transverse Momentum Distributions of Jets Produced in p-p, p-(p)over-bar, d-Au, Au-Au, and Pb-Pb Collisions at High Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 263135., Registrované v: WOS

ADCA22 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. A search for t(t)over-bar resonances using lepton-plus-jets events in proton-proton collisions at root s=8 TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2015, vol. 2015, no. 8, art. no. 148. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479.

Ohlasy:

1. [1.1] AGARWAL, Bakul - ISAACSON, Joshua - MOHAN, Kirtimaan A. Minimal dilaton model and the diphoton excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035027., Registrované v: WOS

2. [1.1] ALVAREZ, Ezequiel - ESTEVEZ, Mariel. t(t)over-barb(b)over-bar as a probe of new physics at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035016., Registrované v: WOS

3. [1.1] ARINA, Chiara. Impact of Cosmological and Astrophysical Constraints on Dark Matter Simplified Models. In FRONTIERS IN ASTRONOMY AND SPACE SCIENCES. ISSN 2296-987X, 2018, vol. 5, art. no. 30., Registrované v: WOS

4. [1.1] BELANGER, Genevieve - DELAUNAY, Cedric. Dark sector for g(mu)-2, R-K and a 750 GeV diphoton resonance. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075019., Registrované v: WOS

5. [1.1] BERNREUTHER, W. - GALLER, P. - MELLEIN, C. - SI, Z.G. - UWER, P. Production of heavy Higgs bosons and decay into top quarks at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 034032., Registrované v: WOS

6. [1.1] BOLANOS, A. - DIAZ-CRUZ, J. L. - HERNANDEZ-TOME, G. - TAVARES-VELASCO, G. Has a Higgs-flavon with a 750 GeV mass been detected at the LHC13? In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 761, pp. 310-317., Registrované v: WOS

7. [1.1] CACCIAPAGLIA, G. - FERRETTI, G. - FLACKE, T. - SERODIO, H. Light Scalars in Composite Higgs Models. In FRONTIERS IN PHYSICS. ISSN 2296-424X, MAR 11 2019, vol. 7., Registrované v: WOS

8. [1.1] CAO, Junjie - HAN, Chengcheng - SHANG, Liangliang - SU, Wei - YANG, Jin Min - ZHANG, Yang. Interpreting the 750 GeV diphoton excess by the singlet extension of the Manohar-Wise model. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 755, pp. 456-463., Registrované v: WOS

9. [1.1] CRIVELLIN, Andreas - FUENTES-MARTIN, Javier - GRELJO, Admir - ISIDORI, Gino. Lepton flavor non-universality in B decays

- from dynamical Yukawas. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 766, pp. 77-85., Registrované v: WOS
10. [1.1] DAWSON, S. - LEWIS, I. M. Singlet model interference effects with high scale UV physics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015004., Registrované v: WOS
 11. [1.1] DI CHIARA, Stefano - MARZOLA, Luca - RAIDAL, Martti. First interpretation of the 750 GeV diphoton resonance at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 095018., Registrované v: WOS
 12. [1.1] DI IURA, Andrea - HERRERO-GARCIA, Juan - MELONI, Davide. Phenomenology of SU(5) low-energy realizations: The diphoton excess and Higgs flavor violation. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 911, pp. 388-424., Registrované v: WOS
 13. [1.1] EGANA-UGRINOVIC, D. - HOMILLER, S. - MEADE, P. Higgs bosons with large couplings to light quarks. In PHYSICAL REVIEW D. ISSN 1550-7998, DEC 23 2019, vol. 100, no. 11., Registrované v: WOS
 14. [1.1] FALKOWSKI, Adam - KAMENIK, Jernej F. Diphoton portal to warped gravity. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015008., Registrované v: WOS
 15. [1.1] FARINA, M. - MONDINO, C. - PAPPADOPULO, D. - RUDERMAN, J.T. New physics from high energy tops. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 31 2019, no. 1., Registrované v: WOS
 16. [1.1] FUKS, B. Cornering top-philic dark matter with colliders and cosmology: the importance of QCD corrections. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2018). ISSN 1742-6588, 2019, vol. 1271., Registrované v: WOS
 17. [1.1] GENG, Chao-Qiang - HUANG, Da. Note on spin-2 particle interpretation of the 750 GeV diphoton excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115032., Registrované v: WOS
 18. [1.1] GHOSH, K. - KARABACAK, D. - NANDI, S. Universal Extra Dimension models with gravity mediated decays after LHC Run II data. In PHYSICS LETTERS B. ISSN 0370-2693, JAN 10 2019, vol. 788, p. 388-395., Registrované v: WOS
 19. [1.1] GIDDINGS, Steven B. - ZHANG, Hao. Kaluza-Klein graviton phenomenology for warped compactifications, and the 750 GeV diphoton excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115002., Registrované v: WOS
 20. [1.1] GOPALAKRISHNA, Shrihari - MUKHERJEE, Tuhin Subhra - SADHUKHAN, Soumya. Extra neutral scalars with vectorlike fermions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055004., Registrované v: WOS
 21. [1.1] HAYRETER, Alper - VALENCIA, German. LHC constraints on color octet scalars. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035004., Registrované v: WOS
 22. [1.1] HOLDOM, Bob - RATZLAFF, Melissa. Heavy Higgs decay to $t(\bar{t})\gamma$ and constraints on a 750 GeV pseudoscalar. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015020., Registrované v: WOS
 23. [1.1] HOU, Wei-Shu - KIKUCHI, Mariko. Probing extra Yukawa

- couplings by precision measurements of Higgs boson properties. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015033.,
Registrované v: WOS
24. [1.1] CHAKRABARTY, N. - CHAKRABORTY, I. - GHOSH, D.K. Fingerprinting the contribution of colored scalars to the $H \rightarrow W^- Z(\gamma)$ vertex. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 5 2020, vol. 80, no. 12., Registrované v: WOS
25. [1.1] CHANG, Jung - CHEUNG, Kingman - LU, Chih-Ting. Interpreting the 750 GeV diphoton resonance using photon jets in hidden-valley-like models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075013., Registrované v: WOS
26. [1.1] CHIVUKULA, R. Sekhar - FARZINNIA, Arsham - MOHAN, Kirtimaan - SIMMONS, Elizabeth H. Diphoton resonances in the renormalizable coloron model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035018., Registrované v: WOS
27. [1.1] CHOUDHURY, Arghya - KOWALSKA, Kamila - ROSZKOWSKI, Leszek - SESSOLO, Enrico Maria - WILLIAMS, Andrew J. Blind Spots for Direct Detection with Simplified DM Models and the LHC. In UNIVERSE. ISSN 2218-1997, 2017, vol. 3, no. 2, art. no. 41., Registrované v: WOS
28. [1.1] KHAIDUKOV, Z. V. - ZUBKOV, M. A. Modified top quark condensation model with the extra heavy fermion, the 125 GeV pseudo-Goldstone boson, and the additional heavy scalar bosons. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 23-24, art. no. 1750141., Registrované v: WOS
29. [1.1] KNAPEN, Simon - MELIA, Tom - PAPUCCI, Michele - ZUREK, Kathryn M. Rays of light from the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075020., Registrované v: WOS
30. [1.1] KOBAKHIDZE, Archil - MCDONALD, Kristian L. - WU, Lei - YUE, Jason. Warped graviton couplings to bulk vectors with brane-localized kinetic terms. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 33, art. no. 1745004., Registrované v: WOS
31. [1.1] KRIBS, G.D. - MARTIN, A. - OSTDIEK, B. - TONG, T. Dark mesons at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 23 2019, no. 7., Registrované v: WOS
32. [1.1] LAPSIEN, T. - KOGLER, R. - HALLER, J. A new tagger for hadronically decaying heavy particles at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 11, art. no. 600., Registrované v: WOS
33. [1.1] LEWIS, Ian M. - SULLIVAN, Matthew. Benchmarks for double Higgs production in the singlet-extended standard model at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035037., Registrované v: WOS
34. [1.1] LOPEZ-OSORIO, M.A. - MARTINEZ-PASCUAL, E. - NAPOLES-CANEDO, G.I. - TOSCANO, J.J. One-Loop order effects from one extra universal dimension on $\lambda(4)$ theory. In JOURNAL OF PHYSICS COMMUNICATIONS. ISSN 2399-6528, NOV 2020, vol. 4, no. 11., Registrované v: WOS
35. [1.1] LOW, Matthew - TESI, Andrea - WANG, Lian-Tao. Composite

spin-1 resonances at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 8, art. no. 085019., Registrované v: WOS

36. [1.1] MARTINEZ-PASCUAL, E. - NAPOLES-CANEDO, G. - NOVALES-SANCHEZ, H. - SIERRA-MARTINEZ, A. - TOSCANO, J.J. Implications of extra dimensions on the effective charge and the beta function in quantum electrodynamics. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 25 2020, vol. 101, no. 3., Registrované v: WOS

37. [1.1] PEDERSEN, Keith - SULLIVAN, Zack. $\mu(x)$ boosted-bottom-jet tagging and Z ' boson searches. In PHYSICAL REVIEW D. ISSN 1550-7998, 2016, vol. 93, no. 1, art. no. 014014., Registrované v: WOS

38. [1.1] ZIAKAS, P.D. - MYLONAKIS, E. Spatial association patterns between post-acute care services and acute care facilities in the United States. In PLOS ONE. ISSN 1932-6203, OCT 12 2020, vol. 15, no. 10., Registrované v: WOS

ADCA23 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - STRÍŽENEC, Pavol - URBÁN, Jozef. A strategy for a general search for new phenomena using data-derived signal regions and its application within the ATLAS experiment. In *European Physical Journal C*, 2019, vol. 79, no. 2, art. no. 120. (2018: 4.843 - IF, Q1 - JCR, 1.972 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-019-6540-y>

Ohlasy:

1. [1.1] CERRI, O. - NGUYEN, T.Q. - PIERINI, M. - SPIROPULU, M. - VLIMANT, J.R. Variational autoencoders for new physics mining at the Large Hadron Collider. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 7 2019, no. 5., Registrované v: WOS

ADCA24 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCÉI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. A study of the material in the ATLAS inner detector using secondary hadronic interactions. In *Journal of Instrumentation*, 2012, vol. 7, no. 1, art. no. P01013. (2011: 1.869 - IF, Q1 - JCR, 1.126 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1748-0221. Dostupné na: <https://doi.org/10.1088/1748-0221/7/01/P01013>

Ohlasy:

1. [1.1] FENG, Jonathan L. - GALON, Iftah - KLING, Felix - TROJANOWSKI, Sebastian. ForwArD Search ExpeRiment at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 035001., Registrované v: WOS

2. [1.1] MAIEZZA, Alessio - NEMEVSEK, Miha - NESTI, Fabrizio. LNV Higgses at LHC. In CETUP 2015 WORKSHOP ON DARK MATTER, NEUTRINO PHYSICS AND ASTROPHYSICS & PPC 2015 IXTH INTERNATIONAL CONFERENCE ON INTERCONNECTIONS BETWEEN PARTICLE PHYSICS AND COSMOLOGY. ISSN 0094-243X, 2016, vol. 1743, art. no. 030008., Registrované v: WOS

3. [1.1] PEDERSEN, Keith - SULLIVAN, Zack. $\mu(x)$ boosted-bottom-jet tagging and Z ' boson searches. In PHYSICAL REVIEW D. ISSN 1550-7998, 2016, vol. 93, no. 1, art. no. 014014., Registrované v: WOS

ADCA25 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of $k(T)$ splitting scales in $W - 1 \text{ nu}$ events at $\sqrt{s}=7 \text{ TeV}$ with the ATLAS detector. In *European Physical Journal C*, 2013, vol. 73, no. 5, art. no. 2432. (2012: 5.247 - IF, Q1 - JCR, 3.034 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-013-2432-8>

Ohlasy:

1. [1.1] BELLM, Johannes - GIESEKE, Stefan - PLAETZER, Simon. Merging NLO multi-jet calculations with improved unitarization. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 244., Registrované v: WOS
2. [1.1] BISWAS, Sanjoy - CHUN, Eung Jin - SHARMA, Pankaj. Di-Higgs signatures from R-parity violating supersymmetry as the origin of neutrino mass. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2016, no. 12, art. no. 062., Registrované v: WOS
3. [1.1] CUKIERMAN, Aviv - NACHMAN, Benjamin. Mathematical properties of numerical inversion for jet calibrations. In *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*. ISSN 0168-9002, 2017, vol. 858, pp. 1-11., Registrované v: WOS
4. [1.1] ELVIRA, V. Daniel. Impact of detector simulation in particle physics collider experiments. In *PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS*. ISSN 0370-1573, 2017, vol. 695, pp. 1-54., Registrované v: WOS
5. [1.1] GELLERSEN, L. - PRESTEL, S. Scale and scheme variations in unitarized NLO merging. In *PHYSICAL REVIEW D*. ISSN 1550-7998, JUN 11 2020, vol. 101, no. 11., Registrované v: WOS
6. [1.1] POTTGEN, Ruth. Background Estimation. In *SEARCH FOR DARK MATTER WITH ATLAS: USING EVENTS WITH A HIGHLY ENERGETIC JET AND MISSING TRANSVERSE MOMENTUM IN PROTON-PROTON COLLISIONS AT (SQUARE ROOT)S = 8 TEV*. ISSN 2190-5053, 2016, pp. 195-250., Registrované v: WOS
7. [1.1] TOMIWA, K. G. Performance of Jet Vertex Tagger in suppression of pileup jets and E-T(miss) in ATLAS detector. In *HIGH ENERGY PARTICLE PHYSICS WORKSHOP 2016*. ISSN 1742-6588, 2017, vol. 802, art. no. UNSP 012012., Registrované v: WOS

ADCA26 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Evidence for a mass dependent forward-backward asymmetry in top quark pair production. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2011, vol. 83, no. 11, art. no. 112003. (2010: 4.964 - IF, Q1 - JCR, 2.759 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.83.112003>

Ohlasy:

1. [1.1] ABELOF, Gabriel - GEHRMANN-DE RIDDER, Aude - MAJER, Imre. Top quark pair production at NNLO in the quark-antiquark channel. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2015, no. 12, pp. 1-49., Registrované v: WOS
2. [1.1] BOOS, E. E. - BRANDT, O. E. - DENISOV, D. S. - DENISOV,

- S. P. - GRANNIS, P. D. The top quark (20 years after its discovery). In PHYSICS-USPEKHI. ISSN 1063-7869, 2015, vol. 58, no. 12, pp. 1133-1158., Registrované v: WOS
3. [1.1] CAMPBELL, John M. - ELLIS, R. Keith. Top-quark processes at NLO in production and decay. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 1, art. no. 015005., Registrované v: WOS
4. [1.1] CZAKON, Michal - FIEDLER, Paul - MITOV, Alexander. Resolving the Tevatron Top Quark Forward-Backward Asymmetry Puzzle: Fully Differential Next-to-Next-to-Leading-Order Calculation. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 5, art. no. 052001., Registrované v: WOS
5. [1.1] DEL DUCA, Vittorio - LAENEN, Eric. Top physics at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 35, art. no. 1530063., Registrované v: WOS
6. [1.1] DENISOV, Dmitri - VELLIDIS, Costas. The TOP QUARK, 20 years after its discovery. In PHYSICS TODAY. ISSN 0031-9228, 2015, vol. 68, no. 4, pp. 46-52., Registrované v: WOS
7. [1.1] GUO XING-DAO - FENG TAI-FU - ZHAO SHU-MIN - KE HONG-WEI - LI XUE-QIAN. Constraining parameter space of the little Higgs model using data from tera-Z factory and ILC. In CHINESE PHYSICS C. ISSN 1674-1137, 2015, vol. 39, no. 2, pp. 26-33., Registrované v: WOS
8. [1.1] KIM, C. S. - YOON, Yeo Woong - YUAN, Xing-Bo. Exploring top quark FCNC within 2HDM type III in association with flavor physics. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 12, art. no. 038., Registrované v: WOS
9. [1.1] KUEHN, J. H. - SCHARF, A. - UWER, P. Weak interactions in top-quark pair production at hadron colliders: An update. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 014020., Registrované v: WOS
10. [1.1] MURPHY, Christopher W. Bottom-quark forward-backward and charge asymmetries at hadron colliders. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 054003., Registrované v: WOS

ADCA27 AAMODT, K. - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - PASTIRČÁK, Blahoslav - ŠÁNDOR, Ladislav - VALA, Martin. Alignment of the ALICE Inner Tracking System with cosmic-ray tracks. In *Journal of Instrumentation : JINST*, 2010, vol. 5, art. no. P03003. (2009: 2.102 - IF, Q1 - JCR, 0.759 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1748-0221. Dostupné na: <https://doi.org/10.1088/1748-0221/5/03/P03003>

Ohlasy:

1. [1.1] BONOMI, G. - CHECCHIA, P. - D'ERRICO, M. - PAGANO, D. - SARACINO, G. Applications of cosmic-ray muons. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, MAY 2020, vol. 112., Registrované v: WOS
2. [1.1] FELIPE DIAZ-CARDENAS, Alfonso - DEL RAYO SANKEY-GARCIA, Maria - DIAZ-FURLONG, Alfonso - ADRIAN DIAZ-FURLONG, Hector - XOXOCOTZI-AGUILAR, Reyna - JAIME VAZQUEZ-LOPEZ, Jose - APAM-GARCIA, Cynthia. Characteristics of the

scientific production of Puebla institutions indexed in the Web of Science. In INVESTIGACION BIBLIOTECOLOGICA. ISSN 0187-358X, 2017, pp. 43-77., Registrované v: WOS

ADCA28 ADAMS, J.H. Jr. - BOBÍK, Pavol - KUDELA, Karel - PASTIRČÁK,

Blahoslav. An evaluation of the exposure in nadir observation of the JEM-EUSO mission. In *Astroparticle Physics*, 2013, vol. 44, p. 76-90. (2012: 4.777 - IF, Q1 - JCR, 2.656 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0927-6505. Dostupné na: <https://doi.org/10.1016/j.astropartphys.2013.01.008>

Ohlasy:

1. [1.1] ARTEAGA-VELAZQUEZ, J. C. - APEL, W. D. - BEKK, K. - BERTAINA, M. - BLUEMER, J. - BOZDOG, H. - BRANCUS, I. M. - CANTONIA, E. - CHIAVASSA, A. - COSSAVELLA, F. - DAUMILLER, K. - DE SOUZA, V. - DI PIERRO, F. - DOLL, P. - ENGEL, R. - ENGLER, J. - FUCHS, B. - FUHRMANN, D. - GILS, H. J. - GLASSTETTER, R. - GRUPEN, C. - HAUNGS, A. - HECK, D. - HORANDEL, J. R. - HUBER, D. - HUEGE, T. - KAMPERT, K.H. - KANG, D. - KLAGES, H. O. - LINK, K. - LUCZAK, P. - LUDWIG, M. - MATHES, H. J. - MAYER, H. J. - MELISSAS, M. - MILKE, J. - MITRICA, B. - MORELLO, C. - OEHLSCHLAEGER, J. - OSTAPCHENKO, S. - PALMIERI, N. - PETCU, M. - PIEROG, T. - REBEL, H. - ROTH, M. - SCHIELER, H. - SCHROEDER, F. G. - SIMA, O. - TOMA, G. - TRINCHERO, G. C. - ULRICH, H. - WEINDL, A. - WOCHLE, J. - ZABIEROWSKI, J. The KASCADE-Grande observatory and the composition of very high-energy cosmic rays. In XIV MEXICAN WORKSHOP ON PARTICLES AND FIELDS. ISSN 1742-6588, 2015, vol. 651, art. no. 012001., Registrované v: WOS
2. [1.1] DAWSON, B. R. - FUKUSHIMA, M. - SOKOLSKY, P. Past, present, and future of UHECR observations. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2017.no. 12., Registrované v: WOS
3. [1.1] DENTON, Peter B. - WEILER, Thomas J. THE FORTUITOUS LATITUDE OF THE PIERRE AUGER OBSERVATORY AND TELESCOPE ARRAY FOR RECONSTRUCTING THE QUADRUPOLE MOMENT. In ASTROPHYSICAL JOURNAL. ISSN 0004-637X, 2015, vol. 802, no. 1, art. no. 25., Registrované v: WOS
4. [1.1] DOLCI, Marco - ROMERO-WOLF, Andrew - WISSEL, Stephanie. A lower bound on the number of cosmic ray events required to measure source catalogue correlations. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2016, no. 10, art. no. 028., Registrované v: WOS
5. [1.1] HAUNGS, Andreas. Ultra-High Energy Cosmic Rays: A Recap of the Discussions at the European Cosmic Ray Symposium 2014. In 24TH EUROPEAN COSMIC RAY SYMPOSIUM (ECRS). ISSN 1742-6588, 2015, vol. 632, art. no. 012093., Registrované v: WOS
6. [1.1] ISAR, Paula Gina - NICOLAE, Doina. Pilot study of ultra-high energy Cosmic rays through their Space Atmospheric interactions COSAT. In ATMOHEAD 2014: ATMOSPHERIC MONITORING FOR HIGH ENERGY ASTROPARTICLE DETECTORS. ISSN 2100-014X, 2015, vol. 89, art. no. 04001., Registrované v: WOS
7. [1.1] LOUEDEC, Karim. Atmospheric effects in astroparticle physics

experiments and the challenge of ever greater precision in measurements. In ASTROPARTICLE PHYSICS. ISSN 0927-6505, 2015, vol. 60, pp. 54., Registrované v: WOS

8. [1.1] OIKONOMOU, Foteini - KOTERA, Kumiko - ABDALLA, Filipe B. Simulations for a next-generation UHECR observatory. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2015, vol., no. 1, art. no. 030., Registrované v: WOS

9. [1.1] PANASYUK, M. I. - CASOLINO, M. - GARIPPOV, G. K. - EBISUZAKI, T. - GORODETZKY, P. - KHRENOV, B. A. - KLIMOV, P. A. - MOROZENKO, V. S. - SAKAKI, N. - SAPRYKIN, O. A. - SHARAKIN, S. A. - TAKIZAWA, Y. - TKACHEV, L. G. - YASHIN, I. V. - ZOTOV, M. Yu. The current status of orbital experiments for UHECR studies. In 24TH EUROPEAN COSMIC RAY SYMPOSIUM (ECRS). ISSN 1742-6588, 2015, vol. 632, art. no. 012097., Registrované v: WOS

10. [1.1] SCHROEDER, Frank G. Radio detection of cosmic-ray air showers and high-energy neutrinos. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 93, pp. 1-68., Registrované v: WOS

11. [1.1] YASHIN, I. I. Future instrumentation in cosmic ray research. In 24TH EUROPEAN COSMIC RAY SYMPOSIUM (ECRS). ISSN 1742-6588, 2015, vol. 632, art. no. 012030., Registrované v: WOS

12. [1.2] CAPEL, F. - BELOV, A. - BERTAINA, M. - FAUSTI, F. - MIYAMOTO, H. The mini-EUSO multi-level trigger algorithm and its performance. In Proceedings of Science, 2017-01-01, pp., Registrované v: SCOPUS

13. [1.2] DOLCI, Marco - ROMERO-WOLF, Andrew - WISSEL, Stephanie. What number of cosmic ray events do we need to measure source catalogue correlations? In Proceedings of Science, 2015-01-01, 30-July-2015, art. no. 347., Registrované v: SCOPUS

14. [1.2] GARIPPOV, G. K. - ZOTOV, M. Yu - KLIMOV, P. A. - PANASYUK, M. I. - SAPRYKIN, O. A. - TKACHEV, L. G. - SHARAKIN, S. A. - KHRENOV, B. A. - YASHIN, I. V. The KLYPVE ultrahigh energy cosmic ray detector on board the ISS. In Bulletin of the Russian Academy of Sciences: Physics. ISSN 10628738, 2015-03-01, 79, 3, pp. 326-328., Registrované v: SCOPUS

15. [1.2] RICCI, Marco. The JEM-EUSO Program. In Journal of Physics: Conference Series. ISSN 17426588, 2016-06-09, 718, 5, art. no. 52034., Registrované v: SCOPUS

16. [1.2] ZOTOV, M. Yu. - KALASHEV, O. E. - PSIRKOV, M. S. The current status of research in ultrahigh-energy cosmic ray physics: A brief review. In MOSCOW UNIVERSITY PHYSICS BULLETIN. ISSN 0027-1349, 2017, vol. 72, no. 2, pp. 144-156., Registrované v: WOS

ADCA29 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Analysis of events with b-jets and a pair of leptons of the same charge in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2015, vol. 2015, no. 10, art. no. 150. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479.

Ohlasy:

1. [1.1] ALVES, Daniele S. M. - GALLOWAY, Jamison - MCCULLOUGH, Matthew - WEINER, Neal. Models of Goldstone gauginos. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075021., Registrované v: WOS
2. [1.1] ARHRIB, A. - BENBRIK, R. - EL FALAKI, J. - SAMPAIO, M. - SANTOS, R. Pseudoscalar decays to gauge bosons at the LHC and at a future 100 TeV collider. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 27 2019, vol. 99, no. 3., Registrované v: WOS
3. [1.1] BADZIAK, Marcin - WAGNER, Carlos E. M. Enhanced Higgs associated production with a top quark pair in the NMSSM with light singlets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 2, art. no. 050., Registrované v: WOS
4. [1.1] BELYAEV, Alexander - CACCIAPAGLIA, Giacomo - CAI, Haiying - FERRETTI, Gabriele - FLACKE, Thomas - PAROLINI, Alberto - SERODIO, Hugo. Di-boson signatures as standard candles for partial compositeness. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 1, art. no. 094., Registrované v: WOS
5. [1.1] CACCIAPAGLIA, G. - DEANDREA, A. - FLACKE, T. - IYER, A.M. Gluon-photon signatures for color octet at the LHC (and beyond). In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 7 2020, no. 5., Registrované v: WOS
6. [1.1] FICHET, Sylvain - VON GERSDORFF, Gero - PONTON, Eduardo - ROSENFELD, Rogerio. The global Higgs as a signal for compositeness at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 1, art. no. 012., Registrované v: WOS
7. [1.1] FLACKE, Thomas. Searching for composite Higgs models at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 19, art. no. 1630026., Registrované v: WOS
8. [1.1] FUKUDA, Hajime - IBE, Masahiro - SUZUKI, Motoo - YANAGIDA, Tsutomu T. Gauged Peccei-Quinn symmetry A case of simultaneous breaking of SUSY and PQ symmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 128., Registrované v: WOS
9. [1.1] GARDNER, S. - YAN, X.S. Processes that break baryon number by two units and the Majorana nature of the neutrino. In PHYSICS LETTERS B. ISSN 0370-2693, MAR 10 2019, vol. 790, p. 421-426., Registrované v: WOS
10. [1.1] HERNANDEZ-JUAREZ, A. I. - TAVARES-VELASCO, G. - MOYOTL, A. Chromomagnetic and chromoelectric dipole moments of the top quark in the fourth-generation THDM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035040., Registrované v: WOS
11. [1.1] HOU, Wei-Shu - KOHDA, Masaya - MODAK, Tanmoy. Constraining a lighter exotic scalar via same-sign top. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 786, pp. 212-216., Registrované v: WOS
12. [1.1] HOU, W.S. - KOHDA, M. - MODAK, T. Top-assisted di-Higgs boson production motivated by baryogenesis. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 29 2019, vol. 99, no. 5., Registrované v: WOS
13. [1.1] CHANG, Jung - CHEUNG, Kingman - LEE, Jae Sik - LU, Chih-Ting. Entangling Higgs production associated with a single top and a

top-quark pair in the presence of anomalous top-Yukawa coupling. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, art. no. 138., Registrované v: WOS

14. [1.1] CHEUNG, Kingman - KEUNG, Wai-Yee - LU, Chih-Ting - TSENG, Po-Yan. Interpreting the 3 TeV W H resonance as a W' boson. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 6, art. no. 105., Registrované v: WOS

15. [1.1] LI, Gang - MAO, Ying-nan - TANG, Yi-Lei - ZHANG, Chen - ZHOU, Yang - ZHU, Shou-hua. Pseudoscalar Decaying Only via Loops as an Explanation for the 750 GeV Diphoton Excess. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 15, art. no. 151803., Registrované v: WOS

16. [1.1] NIEHOFF, Christoph - STANGL, Peter - STRAUB, David M. Electroweak symmetry breaking and collider signatures in the next-to-minimal composite Higgs model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, pp. 1-50., Registrované v: WOS

ADCA30 ACHARYA, S. - ACOSTA, F.T. - ADAMOVÁ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Analysis of the apparent nuclear modification in peripheral Pb-Pb collisions at 5.02 TeV. In *Physics Letters B*, 2019, vol. 793, p. 420-432. (2018: 4.162 - IF, Q2 - JCR, 1.806 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2019.04.047>

Ohlasy:

1. [1.1] BYRES, M. - LIM, S.H. - MCGINN, C. - OUELLETTE, J. - NAGLE, J.L. Bulk viscosity and cavitation in heavy ion collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, APR 22 2020, vol. 101, no. 4., Registrované v: WOS

2. [1.1] DAVID, G. Direct real photons in relativistic heavy ion collisions. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, APR 2020, vol. 83, no. 4., Registrované v: WOS

3. [1.1] MCINNES, B. Viscosity vs. vorticity in the quark-gluon plasma. In NUCLEAR PHYSICS B. ISSN 0550-3213, APR 2020, vol. 953., Registrované v: WOS

4. [1.1] QIAO, L.Y. - CHE, G.R. - GU, J.B. - ZHENG, H. - ZHANG, W.C. Nuclear modification factor in Pb-Pb and p-Pb collisions using Boltzmann transport equation. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JUL 2020, vol. 47, no. 7., Registrované v: WOS

ADCA31 ABULENCIA, A. - ANTOŠ, Jaroslav - LYSÁK, Roman. Analysis of the Quantum Numbers JPC of the X(3872) (CDF Collaboration). In *Physical Review Letters*, 2007, vol. 98, no. 13, art. no. 132002. (2006: 7.072 - IF, Q1 - JCR, 4.781 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.98.132002>

Ohlasy:

1. [1.1] BADALIAN, A. M. - SIMONOV, Yu. A. - BAKKER, B. L. G. c(c)over-bar interaction above threshold and the radiative decay X(3872) > J/psi gamma. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 5, art.

no. 056001., Registrované v: WOS

2. [1.1] BROOK, N. H. Resonance Production with the LHCb Experiment. In RESONANCE WORKSHOP AT CATANIA. ISSN 2100-014X, 2015, vol. 97, art. no. 00007., Registrované v: WOS
3. [1.1] CARDINALE, R. Heavy Quarkonia at LHCb. In DARK MATTER, HADRON PHYSICS AND FUSION PHYSICS. ISSN 2100-014X, 2015, vol. 96, art. no. 01005., Registrované v: WOS
4. [1.1] ESPOSITO, Angelo - GUERRIERI, Andrea L. - PICCININI, Fulvio - PILLONI, Alessandro - POLOSA, Antonio D. Four-quark hadrons: An updated review. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 4-5, art. no. 1530002., Registrované v: WOS
5. [1.1] GUO, Aiqiang. Recent results in (exotic) charmonium spectroscopy from BESIII. In DARK MATTER, HADRON PHYSICS AND FUSION PHYSICS. ISSN 2100-014X, 2015, vol. 96, art. no. 01018., Registrované v: WOS
6. [1.1] OLSEN, Stephen Lars. A new hadron spectroscopy. In FRONTIERS OF PHYSICS. ISSN 2095-0462, 2015, vol. 10, no. 2, pp. 121-154., Registrované v: WOS
7. [1.1] POLYAKOV, I. O. - BELYAEV, I. M. - EGORYCHEV, V. Yu. Investigation of exotic charmonium states in the LHCb experiment. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2015, vol. 78, no. 8, pp. 973-976., Registrované v: WOS
8. [1.1] SREETHAWONG, W. - XU, K. - YAN, Y. Exclusion of $c(c)\overline{\text{bar}}$ interpretation for $X(3940)$. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 2, art. no. 025001., Registrované v: WOS
9. [1.1] XU, Guofa. Overview on BESIII results. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2015, vol. 263, pp. 5-9., Registrované v: WOS
10. [1.1] ZHANG ZHEN-HUA - LU, Gang - WEI KE-WEI. Probing the mass degeneracy of particles with different spins. In CHINESE PHYSICS C. ISSN 1674-1137, 2015, vol. 39, no. 5, art. no. 053101., Registrované v: WOS

ADCA32 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Analysis of the Wtb vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the t -channel at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2017, no. 12, art. no. 017. (2016: 6.063 - IF, Q1 - JCR, 1.163 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP12\(2017\)017](https://doi.org/10.1007/JHEP12(2017)017)

Ohlasy:

1. [1.1] BOOS, E. - DUDKO, L. - MANDRIK, P. - SLABOSPITSKII, S. Top Quark: Results and Prospects. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, MAY 2019, vol. 50, no. 3, p. 231-258., Registrované v: WOS
2. [1.1] ESCAMILLA, Angel - BOUZAS, Antonio O. - LARIOS, F. Single-top production at linear $e(-)e(+)$ colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 033004., Registrované v: WOS
3. [1.1] FISCHER, M. - GROOTE, S. - KOERNER, J. G. T-odd

correlations in polarized top quark decays in the sequential decay $t(\text{up arrow}) \rightarrow X\text{-b} + W^+ (\rightarrow l(+) + \nu(l))$ and in the quasi-three-body decay $t(\text{up arrow}) \rightarrow X\text{-b} + l(+) + \nu(l)$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 093001., Registrované v: WOS

4. [1.1] GROOTE, S. - KOERNER, J. G. Positivity bound on the imaginary part of the right-chiral tensor coupling $g(R)$ in polarized top quark decay. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 111301., Registrované v: WOS

ADCA33 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Angular analysis of $B\text{-}d(0) - K^* \mu^+ \mu^-$ decays in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2018, no. 10, art. no. 047. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP10\(2018\)047](https://doi.org/10.1007/JHEP10(2018)047)

Ohlasy:

1. [1.1] ALDA, J. - GUASCH, J. - PENARANDA, S. Some results on lepton flavour universality violation. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 12 2019, vol. 79, no. 7., Registrované v: WOS

2. [1.1] ALIEV, T.M. - DAG, H. - KOKULU, A. - OZPINECI, A. B \rightarrow T transition form factors in light-cone sum rules. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 11 2019, vol. 100, no. 9., Registrované v: WOS

3. [1.1] ARBEY, A. - HURTH, T. - MAHMOUDI, F. - NESHATPOUR, S. Hadronic and new physics contributions to $b \rightarrow s$ transitions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095027., Registrované v: WOS

4. [1.1] BIFANI, S. - DESCOTES-GENON, S. - VIDAL, A.R. - SCHUNE, M.H. Review of lepton universality tests in B decays. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, FEB 2019, vol. 46, no. 2., Registrované v: WOS

5. [1.1] CERDENO, D.G. - CHEEK, A. - MARTIN-RAMIRO, P. - MORENO, J.M. B anomalies and dark matter: a complex connection. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 17 2019, vol. 79, no. 6., Registrované v: WOS

6. [1.1] CIUCHINI, M. - COUTINHO, A.M. - FEDELE, M. - FRANCO, E. - PAUL, A. - SILVESTRINI, L. - VALLI, M. New Physics in $b \rightarrow sl(+)l(-)$ confronts new data on lepton universality. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 2019, vol. 79, no. 8., Registrované v: WOS

7. [1.1] DUTTA, R. Model independent analysis of new physics effects on $B\text{-}c \rightarrow (D\text{-}s, D\text{-}s^*) \mu^+ \mu^-$ decay observables. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 21 2019, vol. 100, no. 7., Registrované v: WOS

8. [1.1] MCLEAN, E. - DAVIES, C.T.H. - LYTLE, A.T. - KOPONEN, J. Lattice QCD form factor for $B\text{-}s \rightarrow D\text{-}s^* l \nu$ at zero recoil with nonperturbative current renormalization. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 28 2019, vol. 99, no. 11., Registrované v: WOS

ADCA34 ACHARYA, S. - ACOSTA, F.T. - ADAMOVÁ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián -

MUŠINSKÝ, Ján - VALA, Martin. Anisotropic flow in Xe-Xe collisions at root s(NN)=5.44 TeV. In *Physics Letters B*, 2018, vol. 784, p. 82-95. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.06.059>

Ohlasy:

1. [1.1] BHATTACHARYYA, S. Event-by-event fluctuations of maximum particle density with respect to the width of the pseudo-rapidity interval at a few A GeV/c. In *EPL*. ISSN 0295-5075, AUG 2020, vol. 131, no. 4., Registrované v: WOS
2. [1.1] BHATTACHARYYA, S. Investigation of centrality dependence of dynamical fluctuations in narrow pseudo-rapidity interval on event-by-event basis. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS E*. ISSN 0218-3013, OCT 2020, vol. 29, no. 10., Registrované v: WOS
3. [1.1] BURKA, Klaudia. MEASUREMENTS OF FOURIER HARMONICS OF AZIMUTHAL ANISOTROPY IN Pb plus Pb AND Xe plus Xe COLLISIONS. In *ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT*. ISSN 1899-2358, 2019, vol. 12, no. 2, pp. 253-259., Registrované v: WOS
4. [1.1] CARZON, P. - RAO, S. - LUZUM, M. - SIEVERT, M. - NORONHA-HOSTLER, J. Possible octupole deformation of Pb-208 and the ultracentral v(2) to v(3) puzzle. In *PHYSICAL REVIEW C*. ISSN 2469-9985, NOV 9 2020, vol. 102, no. 5., Registrované v: WOS
5. [1.1] GIACALONE, Giuliano. Elliptic flow fluctuations in central collisions of spherical and deformed nuclei. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 2, art. no. 024910., Registrované v: WOS
6. [1.1] GIACALONE, G. Constraining the quadrupole deformation of atomic nuclei with relativistic nuclear collisions. In *PHYSICAL REVIEW C*. ISSN 0556-2813, AUG 3 2020, vol. 102, no. 2., Registrované v: WOS
7. [1.1] GIACALONE, G. Observing the Deformation of Nuclei with Relativistic Nuclear Collisions. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, MAY 19 2020, vol. 124, no. 20., Registrované v: WOS
8. [1.1] CHATURVEDI, O.S.K. - SRIVASTAVA, P.K. - SINGH, A. - RAINA, P.K. - SINGH, B.K. Multiparticle production and geometric scaling in 5.44 TeV Xe-Xe collisions at the CERN Large Hadron Collider using wounded quark model. In *EUROPEAN PHYSICAL JOURNAL PLUS*. ISSN 2190-5444, FEB 19 2020, vol. 135, no. 2., Registrované v: WOS
9. [1.1] SHEN, C. - YAN, L. Recent development of hydrodynamic modeling in heavy-ion collisions. In *NUCLEAR SCIENCE AND TECHNIQUES*. ISSN 1001-8042, DEC 4 2020, vol. 31, no. 12., Registrované v: WOS
10. [1.1] SCHENKE, B. - SHEN, C. - TRIBEDY, P. Running the gamut of high energy nuclear collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, OCT 15 2020, vol. 102, no. 4., Registrované v: WOS
11. [1.1] SIEVERT, M. - NORONHA-HOSTLER, J. CERN Large Hadron Collider system size scan predictions for PbPb, XeXe, ArAr, and OO with relativistic hydrodynamics. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 2, art. no. 024904., Registrované v: WOS
12. [1.1] WANG, E.Q. - MA, Y.Q. - GAO, L.N. - FAN, S.H. Elliptic Flow of Identified Particles in Pb-Pb Collisions at root s(NN)=5.02 TeV. In

ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, JAN 27 2020, vol. 2020., Registrované v: WOS

13. [1.1] WAQAS, M. - LIU, F.H. - WAZIR, Z. Dependence of Temperatures and Kinetic Freeze-Out Volume on Centrality in Au-Au and Pb-Pb Collisions at High Energy. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, MAY 27 2020, vol. 2020., Registrované v: WOS

ADCA35 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - ŠÁNDOR, Ladislav - VALA, Martin. Anisotropic flow of charged hadrons, pions and (anti-)protons measured at high transverse momentum in Pb-Pb collisions at root S-NN=2.76 TeV. In *Physics Letters B*, 2013, vol. 719, no. 1-3, p. 18-28. (2012: 4.569 - IF, Q1 - JCR, 3.353 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2012.12.066>

Ohlasy:

1. [1.1] BARNAFOELDI, Gergely Gabor - UERMOESSY, Karoly - BIRO, Gabor. A 'soft hard' model for Pion, Kaon, and Proton Spectra and upsilon(9) measured in PbPb Collisions at root s=2.76ATeV. In HOT QUARKS 2014: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS. ISSN 1742-6588, 2015, vol. 612, art. no. 012048., Registrované v: WOS
2. [1.1] BARNARD, N.N. - HOROWITZ, W.A. Bottomonia suppression in heavy-ion collisions from anti-de Sitter space/conformal field theory. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 21 2020, vol. 101, no. 1., Registrované v: WOS
3. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
4. [1.1] BASHIR, I. - UDDIN, S. Kinetic Freeze-out Spectra of Identified Particles Produced in p-Pb Collisions at root s(NN)=5.02 TeV. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2017, vol. 124, no. 3, pp. 429-432., Registrované v: WOS
5. [1.1] BETZ, Barbara - GYULASSY, Miklos. Sensitivity of Pion versus Parton-Jet Nuclear Modification Factors to the Path-Length Dependence of Jet-Energy Loss at RHIC and LHC. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2015, vol. 32, no. 12, art. no. 121204., Registrované v: WOS
6. [1.1] BETZ, Barbara. Jet Tomography in Heavy-Ion Collisions-Challenges, Results, and Open Problems. In NEW HORIZONS IN FUNDAMENTAL PHYSICS, 2017, pp. 199-208., Registrované v: WOS
7. [1.1] BIERLICH, Christian - GUSTAFSON, Gosta - LONNBLAD, Leif. Collectivity without plasma in hadronic collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 779, pp. 58-63., Registrované v: WOS
8. [1.1] BOER, Daniel - VAN DAAL, Tom - MULDER, Piet J. - PETRESKA, Elena. Directed flow from C-odd gluon correlations at small x. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 140., Registrované v: WOS
9. [1.1] BOZEK, Piotr - BRONIOWSKI, Wojciech. Elliptic Flow in Ultrarelativistic Collisions with Polarized Deuterons. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 20, art. no. 202301.,

Registrované v: WOS

10. [1.1] BRONIOWSKI, W. - BOZEK, P. Elliptic flow in ultrarelativistic collisions with light polarized nuclei. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 3 2020, vol. 101, no. 2., Registrované v: WOS
11. [1.1] BRUNO, Giuseppe Eugenio. CERN achievements in relativistic heavy ion collisions. In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, art. no. 06001., Registrované v: WOS
12. [1.1] BZDAK, Adam - MA, Guo-Liang. Elliptic flow coefficients from transverse momentum conservation. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 1, art. no. 014903., Registrované v: WOS
13. [1.1] CAO, Shanshan - LUO, Tan - QIN, Guang-You - WANG, Xin-Nian. Linearized Boltzmann transport model for jet propagation in the quark-gluon plasma: Heavy quark evolution. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 1, art. no. 014909., Registrované v: WOS
14. [1.1] CASTILHO, Wagner M. - QIAN, Wei-Liang - HAMA, Yojiro - KODAMA, Takeshi. Event-plane dependent di-hadron correlations with harmonic $v(n)$ subtraction in a hydrodynamic model. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 777, pp. 369-373., Registrované v: WOS
15. [1.1] CLARK, Michael. Femtoscopy in root $s(NN)=5.02$ TeV p+Pb collisions with ATLAS. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 365-368., Registrované v: WOS
16. [1.1] DAVY, M.K. - MARQUET, C. - SHI, Y. - XIAO, B.W. - ZHANG, C. Two-particle azimuthal harmonics in pA collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, MAR 2019, vol. 983, p. 293-309., Registrované v: WOS
17. [1.1] DENICOL, Gabriel S. - NORONHA, Jorge. Analytical attractor and the divergence of the slow-roll expansion in relativistic hydrodynamics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 056021., Registrované v: WOS
18. [1.1] DERRADI DE SOUZA, R. - KOIDE, T. - KODAMA, T. Hydrodynamic approaches in relativistic heavy ion reactions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 86, pp. 35-85., Registrované v: WOS
19. [1.1] DONG, X. - LEE, Y.J. - RAPP, R. Open Heavy-Flavor Production in Heavy-Ion Collisions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 69. ISSN 0163-8998, 2019, vol. 69, p. 417-445., Registrované v: WOS
20. [1.1] DUSLING, Kevin - LI, Wei - SCHENKE, Bjoern. Novel collective phenomena in high-energy proton-proton and proton-nucleus collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 1, art. no. 1630002., Registrované v: WOS
21. [1.1] FENG, Zhao - HUANG, Guang-Ming - LIU, Feng. Anisotropic flow of Pb plus Pb root $S-NN=5.02$ TeV from a multi-phase transport model. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 2, art. no. 024001., Registrované v: WOS
22. [1.1] GAVIN, Sean - MOSCHELLI, George - ZIN, Christopher. Boltzmann-Langevin approach to pre-equilibrium correlations in nuclear collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 6, art.

no. 064901., Registrované v: WOS

23. [1.1] GIACALONE, Giuliano - NORONHA-HOSTLER, Jacquelyn - OLLITRAULT, Jean-Yves. Relative flow fluctuations as a probe of initial state fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 5, art. no. 054910., Registrované v: WOS

24. [1.1] GIACALONE, Giuliano - NORONHA-HOSTLER, Jacquelyn - LUZUM, Matthew - OLLITRAULT, Jean-Yves. Hydrodynamic predictions for 5.44 TeV Xe+Xe collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034904., Registrované v: WOS

25. [1.1] GIACALONE, G. - MARQUET, C. Signature of gluon saturation in forward di-hadron correlations at the Large Hadron Collider. In NUCLEAR PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 291-294., Registrované v: WOS

26. [1.1] GIANNINI, A.V. - GRASSI, F. - LUZUM, M. Bulk quantities in nuclear collisions from running-coupling $k(T)$ factorization and hybrid simulations. In PHYSICAL REVIEW C. ISSN 2469-9985, JUL 31 2019, vol. 100, no. 1., Registrované v: WOS

27. [1.1] GOTSMAN, E. - LEVIN, E. Azimuthal angle correlations at large rapidities: revisiting density variation mechanism. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 11, art. no. 773., Registrované v: WOS

28. [1.1] GOTSMAN, E. - LEVIN, E. Bose-Einstein correlations in perturbative QCD: $v(n)$ dependence on multiplicity. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074011., Registrované v: WOS

29. [1.1] GOTSMAN, E. - LEVIN, E. - POTASHNIKOVA, I. A CGC/saturation approach for angular correlations in proton-proton scattering. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 632., Registrované v: WOS

30. [1.1] GOTSMAN, E. - LEVIN, E. Perturbative QCD and beyond: Azimuthal angle correlations in deuteron-deuteron scattering from Bose-Einstein correlations. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 014034., Registrované v: WOS

31. [1.1] GOTSMAN, E. - LEVIN, E. CGC/saturation approach: re-visiting the problem of odd harmonics in angular correlations. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 792., Registrované v: WOS

32. [1.1] HAGIWARA, Yoshikazu - HATTA, Yoshitaka - XIAO, Bo-Wen - YUAN, Feng. Elliptic flow in small systems due to elliptic gluon distributions? In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 771, pp. 374-378., Registrované v: WOS

33. [1.1] HUANG, Shengli. Collectivity and thermalization in p plus p, p plus A, d+Au and He-3+Au collisions. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012009., Registrované v: WOS

34. [1.1] CHANG, Sung. Proton-proton collisions prove stranger than expected. In PHYSICS TODAY. ISSN 0031-9228, 2017, vol. 70, no. 7, pp. 21-23., Registrované v: WOS

35. [1.1] CHATURVEDI, O.S.K. - SRIVASTAVA, P.K. - SINGH, A. - RAINA, P.K. - SINGH, B.K. Multiparticle production and geometric scaling in 5.44 TeV Xe-Xe collisions at the CERN Large Hadron Collider using wounded

- quark model. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, FEB 19 2020, vol. 135, no. 2., Registrované v: WOS
36. [1.1] IANCU, Edmond - REZAEIAN, Amir H. Elliptic flow from color-dipole orientation in pp and pA collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 094003., Registrované v: WOS
37. [1.1] JAISWAL, Amaresh - BHADURI, Partha Pratim. Effect of an anisotropic escape mechanism on elliptic flow in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 4, art. no. 044909., Registrované v: WOS
38. [1.1] JIA, Jiangyong - ZHOU, Mingliang - TRZUPEK, Adam. Revealing long-range multiparticle collectivity in small collision systems via subevent cumulants. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 3, art. no. 034906., Registrované v: WOS
39. [1.1] KANAKUBO, Y. - TACHIBANA, Y. - HIRANO, T. Unified description of hadron yield ratios from dynamical core-corona initialization. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 24 2020, vol. 101, no. 2., Registrované v: WOS
40. [1.1] KIM, Young-Min - LEE, Chang-Hwan - TEANEY, Derek - ZAHED, Ismail. Direct photon elliptic flow at energies available at the BNL Relativistic Heavy Ion Collider and the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 1, art. no. 015201., Registrované v: WOS
41. [1.1] KLASSEN, M. - KOVARIK, K. - POTTHOFF, J. Nuclear parton density functions from jet production in DIS at an EIC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 094013., Registrované v: WOS
42. [1.1] KOVCHegov, Yuri - SKOKOV, Vladimir V. How classical gluon fields generate odd azimuthal harmonics for the two-gluon correlation function in high-energy collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 094021., Registrované v: WOS
43. [1.1] KOVNER, Alex - LUBLINSKY, Michael - SKOKOV, Vladimir. Exploring correlations in the CGC wave function: Odd azimuthal anisotropy. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 016010., Registrované v: WOS
44. [1.1] KOVNER, Alex - REZAEIAN, Amir H. Double parton scattering in the CGC: Double quark production and effects of quantum statistics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, pp., Registrované v: WOS
45. [1.1] KOVNER, Alex - REZAEIAN, Amir H. Double parton scattering in the color glass condensate: Hanbury-Brown-Twiss correlations in double inclusive photon production. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 114028., Registrované v: WOS
46. [1.1] KOVNER, Alex - SKOKOV, Vladimir V. Does shape matter? $v(2)$ vs eccentricity in small x gluon production. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 785, pp. 372-380., Registrované v: WOS
47. [1.1] LACEY, Roy - LIU, Peifeng - MAGDY, Niseem - CSANAD, Mate - SCHWEID, Benjamin - AJITANAND, Nuggehalli N. - ALEXANDER, John - PAK, Robert. Scaling Properties of the Mean Multiplicity and Pseudorapidity Density in $e(-)$. In UNIVERSE. ISSN 2218-1997, 2018, vol. 4, no. 1, art. no. 22., Registrované v: WOS
48. [1.1] LIM, S.H. - HU, Q. - BELMONT, R. - HILL, K.K. - NAGLE,

- J.L. - PEREPELITSA, D.V. Examination of flow and nonflow factorization methods in small collision systems. In PHYSICAL REVIEW C. ISSN 2469-9985, AUG 16 2019, vol. 100, no. 2., Registrované v: WOS
49. [1.1] LIU, Peifeng - LACEY, Roy A. System-size dependence of the viscous attenuation of anisotropic flow in p plus Pb and Pb plus Pb collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 031901., Registrované v: WOS
50. [1.1] LIU, Yizhuang - ZAHED, Ismail. Viscous corrections to electromagnetic emissivities in QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 116021., Registrované v: WOS
51. [1.1] LI, Hanlin - HE, Liang - LIN, Zi-Wei - MOLNAR, Denes - WANG, Fuqiang - XIE, Wei. Origin of the mass splitting of azimuthal anisotropies in a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 1, art. no. 014901., Registrované v: WOS
52. [1.1] LI, S. - WANG, C.W. - WANG, R.Z. - LIAO, J.F. Probing the transport properties of quark-gluon plasma via heavy-flavor Boltzmann and Langevin dynamics. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 28 2019, vol. 99, no. 5., Registrované v: WOS
53. [1.1] LI, Wei. Collective flow from AA, pA to pp collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 59-66., Registrované v: WOS
54. [1.1] MALECKI, Bartosz. TWO-PARTICLE CORRELATIONS IN p-Pb COLLISIONS AT THE LHCb. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 6, pp. 1067-1072., Registrované v: WOS
55. [1.1] MANTYSAARI, Heikki - SCHENKE, Bjorn - SHEN, Chun - TRIBEDY, Prithwish. Imprints of fluctuating proton shapes on flow in proton-lead collisions at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 772, pp. 681-686., Registrované v: WOS
56. [1.1] MCGLINCHEY, D. PHENIX Overview. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 19-26., Registrované v: WOS
57. [1.1] MILOV, Alexander. Measurement of long-range particle correlations in small systems with the ATLAS detector. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 470-473., Registrované v: WOS
58. [1.1] MILOV, A. THE TWO PARTICLE CORRELATION IN Z-BOSON TAGGED EVENTS. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, p. 387-392., Registrované v: WOS
59. [1.1] MORELAND, J.S. - BERNHARD, J.E. - BASS, S.A. Bayesian calibration of a hybrid nuclear collision model using p-Pb and Pb-Pb data at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 21 2020, vol. 101, no. 2., Registrované v: WOS
60. [1.1] NABOKA, V. Yu. - KARPENKO, Iu. A. - SINYUKOV, Yu. M. Thermalization, evolution, and observables at energies available at the CERN Large Hadron Collider in an integrated hydrokinetic model of A plus A collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 2, art. no. 024902., Registrované v: WOS
61. [1.1] NAGLE, James L. - ZAJC, William A. Small System Collectivity in Relativistic Hadronic and Nuclear Collisions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 68. ISSN

- 0163-8998, 2018, vol. 68, pp. 211-235., Registrované v: WOS
62. [1.1] NAGLE, J. L. - BELMONT, Ron - HILL, Kurt - KOOP, Javier Orjuela - PEREPELITSA, Dennis V. - YIN, Pengqi - LIN, Zi-Wei - MCGLINCHEY, Darren. Minimal conditions for collectivity in $e(+)e(-)$ and p plus p collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 2, art. no. 024909., Registrované v: WOS
63. [1.1] NAHRGANG, Marlene - AICHELIN, Joerg - BASS, Steffen - GOSSIAUX, Pol Bernard - WERNER, Klaus. Elliptic and triangular flow of heavy flavor in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 1, art. no. 014904., Registrované v: WOS
64. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS
65. [1.1] NASIM, Md. - ESHA, Roli - HUANG, Huan Zhong. An Experimental Review on Heavy-Flavor $v(2)$ in Heavy-Ion Collision. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 7140231., Registrované v: WOS
66. [1.1] NIE, Mao-Wu - HUO, Peng - JIA, Jiangyong - MA, Guo-Liang. Multiparticle azimuthal cumulants in p plus Pb collisions from a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034903., Registrované v: WOS
67. [1.1] NIE, M.W. - YI, L. - LUO, X.F. - MA, G.L. - JIA, J.Y. Influence of initial-state momentum anisotropy on the final-state collectivity in small collision systems. In PHYSICAL REVIEW C. ISSN 2469-9985, DEC 16 2019, vol. 100, no. 6., Registrované v: WOS
68. [1.1] NI, Hong. Strange hadron production in pp , pPb , and $PbPb$ collisions at LHC energies. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 13008., Registrované v: WOS
69. [1.1] NORONHA-HOSTLER, Jacquelyn - BETZ, Barbara - NORONHA, Jorge - GYULASSY, Miklos. Event-by-Event Hydrodynamics plus Jet Energy Loss: A Solution to the R-AA circle times $v(2)$ Puzzle. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 25, art. no. 252301., Registrované v: WOS
70. [1.1] NORONHA-HOSTLER, Jacquelyn. Jet modifications in event-by-event hydrodynamically evolving media. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 161-168., Registrované v: WOS
71. [1.1] NORONHA-HOSTLER, Jacquelyn. Resolving the R-AA to $v(n)$ puzzle. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 65-70., Registrované v: WOS
72. [1.1] OLIVA, L. - MOREAU, P. - VORONYUK, V. - BRATKOVSKAYA, E. Influence of electromagnetic fields in proton-nucleus collisions at relativistic energy. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 30 2020, vol. 101, no. 1., Registrované v: WOS
73. [1.1] ORTIZ, A. - PAZ, A. - ROMO, J.D. - TRIPATHY, S. - ZEPEDA, E.A. - BAUTISTA, I. Multiparton interactions in pp collisions from machine learning-based regression. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 23 2020, vol. 102, no. 7., Registrované v: WOS
74. [1.1] OZONDER, Sener. Cumulant expansion in gluon saturation and

five- and six-gluon azimuthal correlations. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074005., Registrované v: WOS

75. [1.1] PAUKKUNEN, Hannu. Neutron skin and centrality classification in high-energy heavy-ion collisions at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 745, pp. 73-78., Registrované v: WOS

76. [1.1] PLUMARI, Salvatore - SCARDINA, Francesco - MINISSALE, Vincenzo - OLIVA, Lucia - GRECO, Vincenzo. Initial State fluctuations from midperipheral to ultracentral collisions in a transport approach. In TNPI2016 XV CONFERENCE ON THEORETICAL NUCLEAR PHYSICS IN ITALY. ISSN 1742-6588, 2018, vol. 981, art. no. 012017., Registrované v: WOS

77. [1.1] PLUMARI, S. Anisotropic flows and the shear viscosity of the QGP within an event-by-event massive parton transport approach. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 3 2019, vol. 79, no. 1., Registrované v: WOS

78. [1.1] PLUMARI, S. - GUARDO, G. L. - SCARDINA, F. - GRECO, V. Initial-state fluctuations from midperipheral to ultracentral collisions in an event-by-event transport approach. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 5, art. no. 054902., Registrované v: WOS

79. [1.1] RAMAMURTI, Adith - SHURYAK, Edward. Role of QCD monopoles in jet quenching. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 016010., Registrované v: WOS

80. [1.1] ROMATSCHKE, Paul. Azimuthal anisotropies at high momentum from purely non-hydrodynamic transport. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 8, art. no. 636., Registrované v: WOS

81. [1.1] ROMATSCHKE, P. Do nuclear collisions create a locally equilibrated quark-gluon plasma? In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 1, art. no. 21., Registrované v: WOS

82. [1.1] RYBCZYNSKI, Maciej - BRONIOWSKI, Wojciech. FLUCTUATIONS OF FLOW HARMONICS IN Pb plus Pb COLLISIONS AT $\sqrt{s(NN)}=2.76$ TeV FROM THE GLAUBER MODEL. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 4, pp. 1033-1044., Registrované v: WOS

83. [1.1] SARKAR, Debojit. Energy independent scaling of the ridge and final state description of high multiplicity p plus p collisions at $\sqrt{s}=7$ and 13 TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 034036., Registrované v: WOS

84. [1.1] SHI, Shuzhe - XU, Jiechen - LIAO, Jinfeng - GYULASSY, Miklos. A Unified Description for Comprehensive Sets of Jet Energy Loss Observables with CUJET3. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 648-651., Registrované v: WOS

85. [1.1] SHI, S.Z. - LIAO, J.F. - GYULASSY, M. Global constraints from RHIC and LHC on transport properties of QCD fluids in CUJET/CIBJET framework. In CHINESE PHYSICS C. ISSN 1674-1137, APR 2019, vol. 43, no. 4., Registrované v: WOS

86. [1.1] STEINBERG, Peter. PHOBOS in the LHC era. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 352, pp. 84-95., Registrované v: WOS

87. [1.1] STRICKLAND, M. Small system studies: A theory overview. In NUCLEAR PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 92-98., Registrované v: WOS

88. [1.1] SUN, Y.F. - PLUMARI, S. - GRECO, V. Study of collective anisotropies $v(2)$ and $v(3)$ and their fluctuations in pA collisions at LHC within a relativistic transport approach. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 10 2020, vol. 80, no. 1., Registrované v: WOS
89. [1.1] TAGHINAVAZ, F. Causality and stability conditions of a conformal charged fluid. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 25 2020, no. 8., Registrované v: WOS
90. [1.1] TRAINOR, T.A. A two-component model for identified-hadron $p(t)$ spectra from 5 TeV p-Pb collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, FEB 2020, vol. 47, no. 4., Registrované v: WOS
91. [1.1] VELKOVSKA, Julia. PHENIX results on elliptic and triangular flow in d plus Au collisions from 19.6 to 200 GeV. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 353-356., Registrované v: WOS
92. [1.1] WELLER, Ryan D. - ROMATSCHKE, Paul. One fluid to rule them all: Viscous hydrodynamic description of event-by-event central p plus p, p plus Pb and Pb plus Pb collisions at $\sqrt{s}=5.02$ TeV. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 774, pp. 351-356., Registrované v: WOS
93. [1.1] WITEK, Mariusz. Correlations and ridge in pPb collisions in the LHCb Experiment. In XLVI INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2016). ISSN 2100-014X, 2017, vol. 141, art. no. UNSP 01007., Registrované v: WOS
94. [1.1] WOSIEK, Barbara. Azimuthal anisotropies in Pb plus Pb and p plus Pb collisions with the ATLAS detector. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 352, pp. 117-128., Registrované v: WOS
95. [1.1] WU, Xiang-Yu - PANG, Long-Gang - QIN, Guang-You - WANG, Xin-Nian. Longitudinal fluctuations and decorrelations of anisotropic flows at energies available at the CERN Large Hadron Collider and at the BNL Relativistic Heavy Ion Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 024913., Registrované v: WOS
96. [1.1] XU, Jiechen - LIAO, Jinfeng - GYULASSY, Miklos. Consistency of Perfect Fluidity and Jet Quenching in Semi-Quark-Gluon Monopole Plasmas. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2015, vol. 32, no. 9, art. no. 092501., Registrované v: WOS
97. [1.1] XU, Jiechen - LIAO, Jinfeng - GYULASSY, Miklos. Bridging soft-hard transport properties of quark-gluon plasmas with CUJET3.0. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 2, art. no. 169., Registrované v: WOS
98. [1.1] XU, Qiao. PHENIX results on collective behavior in small systems from geometry-controlled experiments at $\sqrt{s(NN)}=200$ GeV. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 369-372., Registrované v: WOS
99. [1.1] ZAJC, W. A. The Way Forward Closing Remarks at Quark Matter 2017. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 265-272., Registrované v: WOS
100. [1.1] ZAKHAROV, B. G. Monte Carlo Glauber wounded nucleon model with meson cloud. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2017, vol. 124, no. 6, pp. 860-876., Registrované v: WOS
101. [1.1] ZHANG, C. - MARQUET, C. - QIN, G.Y. - WEI, S.Y. - XIAO,

- B.W. Elliptic Flow of Heavy Quarkonia in pA Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, MAY 3 2019, vol. 122, no. 17., Registrované v: WOS
102. [1.1] ZHANG, C. - MARQUET, C. - QIN, G.Y. - SHI, Y. - WANG, L. - WEI, S.Y. - XIAO, B.W. Collectivity of heavy mesons in proton-nucleus collisions. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 10 2020, vol. 102, no. 3., Registrované v: WOS
103. [1.1] ZHANG, C.J. - JIA, J.Y. - XU, J. Non-flow effects in three-particle mixed-harmonic azimuthal correlations in small collision systems. In PHYSICS LETTERS B. ISSN 0370-2693, MAY 10 2019, vol. 792, p. 138-141., Registrované v: WOS
104. [1.1] ZHANG, Liu-Yao - CHEN, Jin-Hui - LIN, Zi-Wei - MA, Yu-Gang - ZHANG, Song. Two-particle angular correlations in pp and p-Pb collisions at energies available at the CERN Large Hadron Collider from a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034912., Registrované v: WOS
105. [1.1] ZHANG, S. - MA, Y.G. - MA, G.L. - CHEN, J.H. - SHOU, Q.Y. - HE, W.B. - ZHONG, C. Collision system size scan of collective flows in relativistic heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, MAY 10 2020, vol. 804., Registrované v: WOS
106. [1.1] ZHANG, Y. - YANG, J. - WU, W.H. Squeezed back-to-back correlations of $K^+ K^-$ in d + Au collisions at $\sqrt{s_{NN}}=200$ GeV and Au plus Au collisions at $\sqrt{s_{NN}}=62.4$ GeV. In CHINESE PHYSICS C. ISSN 1674-1137, JUL 2019, vol. 43, no. 7., Registrované v: WOS
107. [1.1] ZHAO, W.B. - KO, C.M. - LIU, Y.X. - QIN, G.Y. - SONG, H.C. Probing the Partonic Degrees of Freedom in High-Multiplicity p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, AUG 12 2020, vol. 125, no. 7., Registrované v: WOS

ADCA36 ADAM, J. - ADAMOVIĆ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Anisotropic Flow of Charged Particles in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV. In *Physical Review Letters*, 2016, vol. 116, no. 13, art. no. 132302. (2015: 7.645 - IF, Q1 - JCR, 4.656 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na:
<https://doi.org/10.1103/PhysRevLett.116.132302>

Ohlasy:

1. [1.1] ALBACETE, Javier L. - PETERSEN, Hannah - SOTO-ONTOSO, Alba. Correlated wounded hot spots in proton-proton interactions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 064909., Registrované v: WOS
2. [1.1] AUVINEN, J. - ESKOLA, K.J. - HUOVINEN, P. - NEMI, H. - PAATELAINEN, R. - PETRECZKY, P. Temperature dependence of η/s of strongly interacting matter: Effects of the equation of state and the parametric form of $(\eta/s)(T)$. In PHYSICAL REVIEW C. ISSN 0556-2813, OCT 21 2020, vol. 102, no. 4., Registrované v: WOS
3. [1.1] BERNHARD, Jonah E. - MORELAND, J. Scott - BASS, Steffen A. Characterization of the initial state and QGP medium from a combined Bayesian analysis of LHC data at 2.76 and 5.02 TeV. In NUCLEAR PHYSICS

- A. ISSN 0375-9474, 2017, vol. 967, pp. 293-296., Registrované v: WOS
4. [1.1] BERNHARD, Jonah E. - MORELAND, J. Scott - BASS, Steffen A. Bayesian estimation of the specific shear and bulk viscosity of quark-gluon plasma. In NATURE PHYSICS. ISSN 1745-2473, 2019, vol. 15, no. 11, pp. 1113-+., Registrované v: WOS
5. [1.1] BHADURY, S. - KURIAN, M. - CHANDRA, V. - JAISWAL, A. First order dissipative hydrodynamics and viscous corrections to the entropy four-current from an effective covariant kinetic theory. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, AUG 2020, vol. 47, no. 8., Registrované v: WOS
6. [1.1] DUMITRESCU, Eduard - ANDREESCU, Silvana. Bioapplications of Electrochemical Sensors and Biosensors. In ENZYMES AS SENSORS. ISSN 0076-6879, 2017, vol. 589, pp. 301-350., Registrované v: WOS
7. [1.1] ESKOLA, K. J. - NIEMI, H. - PAATELAINEN, R. - TUOMINEN, K. Latest results from the EbyE NLO EKRT model. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 313-316., Registrované v: WOS
8. [1.1] FENG, Zhao - HUANG, Guang-Ming - LIU, Feng. Anisotropic flow of Pb plus Pb root S-NN=5.02 TeV from a multi-phase transport model. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 2, art. no. 024001., Registrované v: WOS
9. [1.1] GIACALONE, Giuliano - NORONHA-HOSTLER, Jacquelyn - LUZUM, Matthew - OLLITRAULT, Jean-Yves. Hydrodynamic predictions for 5.44 TeV Xe+Xe collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034904., Registrované v: WOS
10. [1.1] GOTSMAN, E. - LEVIN, E. Azimuthal angle correlations at large rapidities: revisiting density variation mechanism. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 11, art. no. 773., Registrované v: WOS
11. [1.1] GOTSMAN, E. - LEVIN, E. Bose-Einstein correlations in perturbative QCD: $v(n)$ dependence on multiplicity. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074011., Registrované v: WOS
12. [1.1] GOTSMAN, E. - LEVIN, E. - POTASHNIKOVA, I. A. CGC/saturation approach for angular correlations in proton-proton scattering. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 632., Registrované v: WOS
13. [1.1] GOTSMAN, E. - LEVIN, E. Perturbative QCD and beyond: Azimuthal angle correlations in deuteron-deuteron scattering from Bose-Einstein correlations. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 014034., Registrované v: WOS
14. [1.1] GURSOY, Umut - KHARZEEV, Dmitri - MARCUS, Eric - RAJAGOPAL, Krishna - SHEN, Chun. Charge-dependent flow induced by magnetic and electric fields in heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 5, art. no. 055201., Registrované v: WOS
15. [1.1] HE, Min - FRIES, Rainer J. - RAPP, Ralf. Open Heavy Flavor Transport in root s(NN)=5.02 TeV Pb+Pb Collisions. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 265-268., Registrované v: WOS
16. [1.1] HUI, Jia-Qi - JIANG, Zhi-Jin - XU, Dong-Fang. A Description of the Transverse Momentum Distributions of Charged Particles Produced in

Heavy Ion Collisions at RHIC and LHC Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2018, art. no. 7682325., Registrované v: WOS

17. [1.1] JIANG, Zhi-Jin - HUI, Jia-Qi - DENG, Hai-Ping. Unified Hydrodynamics and Pseudorapidity Distributions of Charged Particles Produced in Heavy Ion Collisions at Low Energies at RHIC. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2017, vol. 34, no. 5, art. no. 052501., Registrované v: WOS

18. [1.1] KE, Weiyao - MORELAND, J. Scott - BERNHARD, Jonah E. - BASS, Steffen A. Constraints on rapidity-dependent initial conditions from charged-particle pseudorapidity densities and two-particle correlations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 4, art. no. 044912., Registrované v: WOS

19. [1.1] MCDONALD, Scott - SHEN, Chun - FILLION-GOURDEAU, Francois - JEON, Sangyong - GALE, Charles. Pre-equilibrium Longitudinal Flow in the IP-Glasma Framework for Pb plus Pb Collisions at the LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 461-464., Registrované v: WOS

20. [1.1] MCDONALD, Scott - SHEN, Chun - FILLION-GOURDEAU, Francois - JEON, Sangyong - GALE, Charles. Hydrodynamic predictions for Pb plus Pb collisions at 5.02 TeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 064913., Registrované v: WOS

21. [1.1] MORELAND, J.S. - BERNHARD, J.E. - BASS, S.A. Bayesian calibration of a hybrid nuclear collision model using p-Pb and Pb-Pb data at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 21 2020, vol. 101, no. 2., Registrované v: WOS

22. [1.1] NARA, Yasushi - NIEMI, Harri - OHNISHI, Akira - STEINHEIMER, Jan - LUO, Xiaofeng - STOECKER, Horst. Enhancement of elliptic flow can signal a first-order phase transition in high-energy heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 2, art. no. 18., Registrované v: WOS

23. [1.1] NIEMI, H. - ESKOLA, K. J. - PAATELAINEN, R. - TUOMINEN, K. Latest predictions from the EbyE NLO EKRT model. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 443-446., Registrované v: WOS

24. [1.1] NORONHA-HOSTLER, Jacquelyn. Jet modifications in event-by-event hydrodynamically evolving media. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 161-168., Registrované v: WOS

25. [1.1] NORONHA-HOSTLER, Jacquelyn - BETZ, Barbara - GYULASSY, Miklos - LUZUM, Matthew - NORONHA, Jorge - PORTILLO, Israel - RATTI, Claudia. Cumulants and nonlinear response of high p(T) harmonic flow at $\sqrt{s(NN)}=5.02$ TeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 4, art. no. 044901., Registrované v: WOS

26. [1.1] SARKAR, S. - MALI, P. - MUKHOPADHYAY, A. Simulation study of elliptic flow of charged hadrons produced in Au plus Au collisions at energies available at the Facility for Antiproton and Ion Research. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 1, art. no. 014908., Registrované v: WOS

27. [1.1] SHAPOVAL, V. M. - SINYUKOV, Yu M. Bulk observables in Pb plus Pb collisions at $\sqrt{s(NN)}=5.02$ TeV at the CERN Large Hadron

- Collider within the integrated hydrokinetic model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 4., Registrované v: WOS
28. [1.1] SHAPOVAL, V.M. - ADZHYMAMBETOV, M.D. - SINYUKOV, Y.M. Femtoscopy scales and particle production in the relativistic heavy ion collisions from Au+Au at 200 AGeV to Xe+Xe at 5.44 ATeV within the integrated hydrokinetic model. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, OCT 12 2020, vol. 56, no. 10., Registrované v: WOS
29. [1.1] SHI, Shuzhe - LIAO, Jinfeng - GYULASSY, Miklos. Probing the color structure of the perfect QCD fluids via soft-hard-event-by-event azimuthal correlations. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 10, art. no. 104104., Registrované v: WOS
30. [1.1] SHI, Shuzhe - LIAO, Jinfeng - GYULASSY, Miklos. Global constraints from RHIC and LHC on transport properties of QCD fluids in CUJET/CIBJET framework. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 4., Registrované v: WOS
31. [1.1] SCHENKE, B. - SHEN, C. - TRIBEDY, P. Running the gamut of high energy nuclear collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, OCT 15 2020, vol. 102, no. 4., Registrované v: WOS
32. [1.1] SCHENKE, B. - SHEN, C. - TRIBEDY, P. Hybrid Color Glass Condensate and hydrodynamic description of the Relativistic Heavy Ion Collider small system scan. In PHYSICS LETTERS B. ISSN 0370-2693, APR 10 2020, vol. 803., Registrované v: WOS
33. [1.1] WEI, De-Xian - HUANG, Xu-Guang - YAN, Li. Hydrodynamic response in simulations within a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 4, art. no. 044908., Registrované v: WOS
34. [1.1] WELLER, Ryan D. - ROMATSCHKE, Paul. One fluid to rule them all: Viscous hydrodynamic description of event-by-event central p plus p, p plus Pb and Pb plus Pb collisions at $\sqrt{s}=5.02$ TeV. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 774, pp. 351-356., Registrované v: WOS
35. [1.1] YAN, Li. A flow paradigm in heavy-ion collisions. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 4, art. no. 042001., Registrované v: WOS
36. [1.1] ZAKHAROV, B. G. Monte Carlo Glauber model with meson cloud: predictions for 5.44 TeV Xe + Xe collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 5, art. no. 427., Registrované v: WOS
37. [1.1] ZHAO, Wenbin - XU, Hao-jie - SONG, Huichao. Collective flow in 2.76 and 5.02 A TeV Pb + Pb collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 645., Registrované v: WOS

ADCA37 ACHARYA, S. - ACOSTA, F.T. - ADAMOVIĆ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Anisotropic flow of identified particles in Pb-Pb collisions at $\sqrt{s(NN)}=5.02$ TeV. In *Journal of High Energy Physics*, 2018, no. 9, art. no. 006. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP09\(2018\)006](https://doi.org/10.1007/JHEP09(2018)006)

Ohlasy:

1. [1.1] GOLDMAN, S.K. - HOPKINS, D.J. Past Place, Present Prejudice: The Impact of Adolescent Racial Context on White Racial Attitudes. In JOURNAL OF POLITICS. ISSN 0022-3816, APR 1 2020, vol. 82, no. 2, p. 529-542., Registrované v: WOS
2. [1.1] MULLER, B. - RABENSTEIN, A. - SCHAFER, A. - WAEBER, S. - YAFFE, L.G. Phenomenological implications of asymmetric AdS(5) shock wave collision studies for heavy ion physics. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 8 2020, vol. 101, no. 7., Registrované v: WOS
3. [1.1] PABLOS, D. Jet Suppression From a Small to Intermediate to Large Radius. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, FEB 3 2020, vol. 124, no. 5., Registrované v: WOS
4. [1.1] SEED, C.M. - ACHARYA, B. - ANDRUS, R. - KRIM, J. Correlation of high frequency QCM sphere-plate stiffness measurements with macroscopic frictional contacts in thin film and bulk stainless steel materials. In SENSORS AND ACTUATORS A-PHYSICAL. ISSN 0924-4247, MAY 1 2020, vol. 306., Registrované v: WOS
5. [1.1] ZHAO, Wenbin - ZHU, Lilin - ZHENG, Hua - KO, Che Ming - SONG, Huichao. Spectra and flow of light nuclei in relativistic heavy ion collisions at energies available at the BNL Relativistic Heavy Ion Collider and at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 5, art. no. 054905., Registrované v: WOS

ADCA38 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Anomalous Evolution of the Near-Side Jet Peak Shape in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. In *Physical Review Letters*, 2017, vol. 119, no. 10, art. no. 102301. (2016: 8.462 - IF, Q1 - JCR, 4.196 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.119.102301>

Ohlasy:

1. [1.1] SZIGETI, Balazs Endre - VARGA-KOFARAGO, Monika. Study of Angular Correlations in Monte Carlo Simulations in Pb-Pb Collisions. In UNIVERSE. ISSN 2218-1997, 2019, vol. 5, no. 5, art. no. 97., Registrované v: WOS

ADCA39 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. ATLAS measurements of the properties of jets for boosted particle searches. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2012, vol. 86, no. 7, art. no. 072006. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.86.072006>

Ohlasy:

1. [1.1] LARKOSKI, Andrew J. - MOULT, Ian. Singular behavior of jet substructure observables. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 014017., Registrované v: WOS
2. [1.1] PLAETZER, Simon - SJODAHL, Malin - THOREN, Johan. Color matrix element corrections for parton showers. In JOURNAL OF HIGH

ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 009., Registrované v: WOS

3. [1.1] TRIPATHEE, Aashish - XUE, Wei - LARKOSKI, Andrew - MARZANI, Simone - THALER, Jesse. Jet substructure studies with CMS open data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074003., Registrované v: WOS

ADCA40 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. In *European Physical Journal C*, 2015, vol. 75, no. 10, art. no. 510. (2014: 5.084 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-015-3726-9>

Ohlasy:

1. [1.1] AGOSTINI, A. - DEGRASSI, G. - GROBER, R. - SLAVICH, P. NLO-QCD corrections to Higgs pair production in the MSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 106., Registrované v: WOS

2. [1.1] AMBROGI, Federico - KRAML, Sabine - KULKARNI, Suchita - LAA, Ursula - LESSA, Andre - WALTENBERGER, Wolfgang. On the coverage of the pMSSM by simplified model results. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 215., Registrované v: WOS

3. [1.1] BAER, Howard - BARGER, Vernon - NAGATA, Natsumi - MICHAEL, Savoy. Phenomenological profile of top squarks from natural supersymmetry at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055012., Registrované v: WOS

4. [1.1] BANDYOPADHYAY, Priyotosh. Displaced lepton flavour violating signatures of right-handed sneutrinos in $U(1)'$ supersymmetric models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 9, art. no. 052., Registrované v: WOS

5. [1.1] BANDYOPADHYAY, Priyotosh - COSTANTINI, Antonio. Distinguishing charged Higgs bosons from different representations at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 1, art. no. 067., Registrované v: WOS

6. [1.1] BARMAN, R.K. - BHATTACHERJEE, B. - CHOUDHURY, A. - CHOWDHURY, D. - LAHIRI, J. - RAY, S. Current status of MSSM Higgs sector with LHC 13 TeV data. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, APR 2019, vol. 134, no. 4., Registrované v: WOS

7. [1.1] BEGONE, G. - DEISENROTH, M.P. - KIM, J.S. - LIEM, S. - DE AUSTRI, R.R. - WELLING, M. Accelerating the BSM interpretation of LHC data with machine learning. In PHYSICS OF THE DARK UNIVERSE. ISSN 2212-6864, MAR 2019, vol. 24., Registrované v: WOS

8. [1.1] BEURIA, Jyotiranjana - DATA, Aresh Krishna - DEBNATH, Dipsikha - MATCHEV, Konstantin T. LHC collider phenomenology of minimal universal extra dimensions. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 226, pp. 187-205., Registrované v: WOS

9. [1.1] BRINGMANN, Torsten - GALEA, Ahmad J. - WALIA, Parampreet. Leading QCD corrections for indirect dark matter searches: A fresh

- look. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 4, art. no. 043529., Registrované v: WOS
10. [1.1] CICI, Ali - KIRCA, Zerrin - UN, Cem Salih. Light stops and fine-tuning in MSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 1, art. no. 60., Registrované v: WOS
 11. [1.1] COSTANTINI, Antonio. Strong Sector in non-minimal SUSY model. In QCD@WORK 2016 INTERNATIONAL WORKSHOP ON QUANTUM CHROMODYNAMICS THEORY AND EXPERIMENT. ISSN 2100-014X, 2016, vol. 129, art. no. UNSP 00010., Registrované v: WOS
 12. [1.1] DERCKS, Daniel - MOORTGAT-PICK, Gudrid - REUTER, Juergen - SHIM, So Young. The fate of the littlest Higgs model with T-parity under 13 TeV LHC data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 049., Registrované v: WOS
 13. [1.1] DREES, Manuel - KIM, Jong Soo. Minimal natural supersymmetry after the LHC8. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 095005., Registrované v: WOS
 14. [1.1] GOGOLADZE, Ilia - UN, Cem Salih. Muon g-2 in gauge mediated supersymmetry breaking models with adjoint messengers. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035028., Registrované v: WOS
 15. [1.1] GRIPAIOS, Ben - NARDECCHIA, Marco - RENNER, Sophie. Linear flavour violation and anomalies in B physics. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 6, art. no. 083., Registrované v: WOS
 16. [1.1] HOLDOM, Bob - RATZLAFF, Melissa. Heavy Higgs decay to $t(\bar{t})\gamma$ and constraints on a 750 GeV pseudoscalar. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015020., Registrované v: WOS
 17. [1.1] HORNIG, Andrew - KANG, Daekyoung - MAKRIS, Yiannis - MEHEN, Thomas. Transverse vetoes with rapidity cutoff in SCET. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 12, art. no. 043., Registrované v: WOS
 18. [1.1] CHAKRABORTY, Sabyasachi - DATTA, Asesh Krishna - HUITU, Katri - ROY, Sourov - WALTARI, Harri. Light top squarks in a $U(1)_R$ lepton number model with a right handed neutrino and the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075005., Registrované v: WOS
 19. [1.1] CHATTERJEE, Arindam - DUTTA, Juhi - RAI, Santosh Kumar. Natural SUSY at LHC with right-sneutrino LSP. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 042., Registrované v: WOS
 20. [1.1] CHOUDHURY, Arghya - MONDAL, Subhadeep. Revisiting the exclusion limits from direct chargino-neutralino production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055024., Registrované v: WOS
 21. [1.1] ISHIWATA, Koji - YONEKURA, Yuki. Longitudinal W boson scattering in a light scalar top scenario. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015009., Registrované v: WOS
 22. [1.1] KANG, Zhaofeng - LI, Jinmian - ZHANG, Mengchao. Uncover compressed supersymmetry via boosted bosons from the heavier stop/sbottom. In

- EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 6, art. no. 371., Registrované v: WOS
23. [1.1] KONAR, Partha - MONDAL, Tanmoy - SWAIN, Abhaya Kumar. Demystifying the compressed top squark region with kinematic variables. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 095011., Registrované v: WOS
24. [1.1] KONAR, Partha - MONDAL, Tanmoy - SWAIN, Abhaya Kumar. Constraining slepton and chargino through compressed top squark search. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 4, art. no. 024., Registrované v: WOS
25. [1.1] LUSTERMAN, G. - MICHEL, J.K.L. - TACKMANN, F.J. - WAALEWIJN, W.J. Joint two-dimensional resummation in $q(T)$ and 0-jettiness at NNLL. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 21 2019, no. 3., Registrované v: WOS
26. [1.1] MUEHLLEITNER, Margarete - SAMPAIO, Marco O. P. - SANTOS, Rui - WITTBRODT, Jonas. Phenomenological comparison of models with extended Higgs sectors. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 132., Registrované v: WOS
27. [1.1] MUEHLLEITNER, Margarete - SAMPAIO, Marco O. P. - SANTOS, Rui - WITTBRODT, Jonas. Phenomenological comparison of models with extended Higgs sectors. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 132., Registrované v: WOS
28. [1.1] PANDEY, Aruna - SAHU, Amit R. - WANI, Sajad A. - SAXENA, Shikha - KANCHAN, Sonam - SAH, Vaishali - RAJAK, Kaushal K. - KHANDURI, Alok - SAHOO, Aditya P. - TIWARI, Ashok K. - MISHRA, Bina - MUTHUCHELVAN, D. - MISHRA, Bishnu P. - SINGH, Raj K. - GANDHAM, Ravi K. Modulation of Host miRNAs Transcriptome in Lung and Spleen of Peste des Petits Ruminants Virus Infected Sheep and Goats. In FRONTIERS IN MICROBIOLOGY. ISSN 1664-302X, 2017, vol. 8, art. no. 1146., Registrované v: WOS
29. [1.1] PIERCE, Aaron - SHAKYA, Bibhushan. Implications of a stop sector signal at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 091., Registrované v: WOS
30. [1.1] PLAETZER, Simon - SJODAHL, Malin - THOREN, Johan. Color matrix element corrections for parton showers. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 009., Registrované v: WOS
31. [1.1] SAHIN, M. O. - KRUECKER, D. - MELZER-PELLMANN, I.A. Performance and optimization of support vector machines in high-energy physics classification problems. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2016, vol. 838, pp. 137-146., Registrované v: WOS
32. [1.1] SCHMALTZ, M. - ZHONG, Y.M. The leptoquark Hunter's guide: large coupling. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 15 2019, no. 1., Registrované v: WOS
33. [1.1] TACKMANN, Frank J. - WAALEWIJN, Wouter J. - ZEUNE, Lisa. Holographic Lifshitz fermions and exponentially suppressed spectral weight. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, vol., no. 7, art. no. 119., Registrované v: WOS

34. [1.1] TACKMANN, Frank J. - WAALEWIJIN, Wouter J. - ZEUNE, Lisa. Impact of jet veto resummation on slepton searches. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art. no. 119., Registrované v: WOS
35. [1.1] ZHU, Bin - DING, Ran - LI, Tianjun. Higgs mass and muon anomalous magnetic moment in the MSSM with gauge-gravity hybrid mediation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035029., Registrované v: WOS

ADCA41 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at root s=7 TeV. In *European Physical Journal C*, 2012, vol. 72, no. 12, art. no. 2241. (2011: 3.631 - IF, Q2 - JCR, 2.962 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-012-2241-5>

Ohlasy:

1. [1.1] ANCHORDOQUI, Luis A. - ANTONIADIS, Ignatios - GOLDBERG, Haim - HUANG, Xing - LUEST, Dieter - TAYLOR, Tomasz R. Minimal left-right symmetric intersecting D-brane model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 2, art. no. 026011., Registrované v: WOS
2. [1.1] DOFF, A. - SIQUEIRA, Clarissa. Composite Higgs models, Technicolor and the muon anomalous magnetic moment. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 754, pp. 294-301., Registrované v: WOS
3. [1.1] HETZEL, Jamil - STECH, Berthold. Low-energy phenomenology of trinification: An effective left-right-symmetric model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 5, art. no. 055026., Registrované v: WOS
4. [1.1] MONDAL, Tanmoy - DEY, Ujjal Kumar - KONAR, Partha. Implications of unitarity and charge breaking minima in a left-right symmetric model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 096005., Registrované v: WOS
5. [1.1] ROITGRUND, Aviad - EILAM, Gad - BAR-SHALOM, Shaouly. Implementation of the manifest left-right symmetric model in FeynRules. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2016, vol. 203, pp. 18-44., Registrované v: WOS
6. [1.1] VOS, K. K. - WILSCHUT, H. W. - TIMMERMANS, R. G. E. Symmetry violations in nuclear and neutron beta decay. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2015, vol. 87, no. 4, pp. 1483-1516., Registrované v: WOS

ADCA42 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at root s=7 TeV. In *Journal of High Energy Physics*, 2013, vol. 2013, no. 1, art. no. 029. (2012: 5.618 - IF, 1.475 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP01\(2013\)029](https://doi.org/10.1007/JHEP01(2013)029)

Ohlasy:

1. [1.1] ALTE, Stefan - KONIG, Matthias - SHEPHERD, William. Consistent searches for SMEFT effects in non-resonant dijet events. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 1, art. no. 094., Registrované v: WOS
2. [1.1] ALTMANNSHOFER, Wolfgang - FOX, Patrick J. - HARNIK, Roni - KRIBS, Graham D. - RAJ, Nirmal. Dark matter signals in dilepton production at hadron colliders. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 115006., Registrované v: WOS
3. [1.1] EGANA-UGRINOVIC, D. - HOMILLER, S. - MEADE, P. Higgs bosons with large couplings to light quarks. In PHYSICAL REVIEW D. ISSN 1550-7998, DEC 23 2019, vol. 100, no. 11., Registrované v: WOS
4. [1.1] CHIVUKULA, R. Sekhar - ITTISAMAI, Pawin - MOHAN, Kirtimaan - SIMMONS, Elizabeth H. Color discriminant variable and scalar diquarks at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 075020., Registrované v: WOS
5. [1.1] MULRENNAN, M.E. - SCOTT, C.H. A Responsibility to Protect and Restore Advancing the Tawich (Marine) Conservation Area. In CARING FOR EYYOU ISTCHEE: PROTECTED AREA CREATION ON WEMINDJI CREE TERRITORY. 2019, p. 340-363., Registrované v: WOS
6. [1.1] RABBERTZ, Klaus. Normalised Cross Sections. In JET PHYSICS AT THE LHC: THE STRONG FORCE BEYOND THE TEV SCALE. ISSN 0081-3869, 2017, vol. 268, pp. 163-198., Registrované v: WOS
7. [1.1] SAPETA, Sebastian. QCD and jets at hadron colliders. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 89, pp. 1-55., Registrované v: WOS

ADCA43 ABELEV, Betty - ADAM, J. - ADAMOVIĆ, D. - AGGARWAL, M.M. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Azimuthal anisotropy of D-meson production in Pb-Pb collisions at root s(NN)=2.76 TeV. In *Physical Review C*, 2014, vol. 90, no. 3, art. no. 034904. (2013: 3.881 - IF, Q1 - JCR, 2.584 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.90.034904>

Ohlasy:

1. [1.1] BARBANO, Anastasia. D-meson nuclear modification factor and elliptic flow measurements in Pb Pb collisions at root s(NN)=5.02 TeV with ALICE at the LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 612-615., Registrované v: WOS
2. [1.1] BERAUDO, Andrea. Heavy flavour in high-energy nuclear collisions: a theoretical overview. In TNPI2016 XV CONFERENCE ON THEORETICAL NUCLEAR PHYSICS IN ITALY. ISSN 1742-6588, 2018, vol. 981, art. no. 012016., Registrované v: WOS
3. [1.1] CAO, Shanshan - QIN, Guang-You - BASS, Steffen A. Suppression and Two-Particle Correlations of Heavy Mesons in Heavy-Ion Collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 505-508., Registrované v: WOS
4. [1.1] CAO, Shanshan. Recent development on heavy quark theory in heavy-ion collisions. In 16TH INTERNATIONAL CONFERENCE ON

- STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012006., Registrované v: WOS
5. [1.1] DONG, X. - GRECO, V. Heavy quark production and properties of Quark-Gluon Plasma. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, JAN 2019, vol. 104, p. 97-141., Registrované v: WOS
 6. [1.1] ESHA, Roli - HUANG, Huan Zhong. Insight from elliptic flow of open charm mesons using quark coalescence model at RHIC and LHC energies. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012061., Registrované v: WOS
 7. [1.1] ESHA, Roli - NASIM, Md - HUANG, Huan Zhong. Insight from elliptic flow of open charm mesons using quark coalescence model at RHIC and LHC energies. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 4, art. no. 045109., Registrované v: WOS
 8. [1.1] EYYUBOVA, G. Kh. - LOKHTIN, I. P. - BELYAEV, A. V. - PONIMATKIN, G. - PRONINA, E. Yu. Charm meson production in Pb-Pb collisions at the LHC in HYDJET plus plus model. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, 2017, vol. 48, no. 6, pp. 938-940., Registrované v: WOS
 9. [1.1] HE, Min - FRIES, Rainer J. - RAPP, Ralf. Modifications of heavy-flavor spectra in root(NN)-N-S=62.4 GeV Au-Au collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 2, art. no. 024904., Registrované v: WOS
 10. [1.1] LOKHTIN, I. P. - BELYAEV, A. V. - EYYUBOVA, G. Kh - PONIMATKIN, G. - PRONINA, E. Yu. Charmed meson and charmonium production in PbPb collisions at the LHC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 12, art. no. 125104., Registrované v: WOS
 11. [1.1] MILOV, Alexander. The R-AA and v(2) of muons from heavy-quark decays in Pb plus Pb collisions at root s(NN)=2.76 TeV with the ATLAS detector. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 521-524., Registrované v: WOS
 12. [1.1] NAHRGANG, Marlene - AICHELIN, Joerg - BASS, Steffen - GOSSIAUX, Pol Bernard - WERNER, Klaus. Elliptic and triangular flow of heavy flavor in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 1, art. no. 014904., Registrované v: WOS
 13. [1.1] SAMBATARO, M.L. - PLUMARI, S. - GRECO, V. Impact of off-shell dynamics on the transport properties and the dynamical evolution of charm quarks at RHIC and LHC temperatures. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 11 2020, vol. 80, no. 12., Registrované v: WOS
 14. [1.1] SARASWAT, Kapil - SHUKLA, Prashant - KUMAR, Vineet - SINGH, Venktesh. Energy loss of heavy quarks and B and D meson spectra in PbPb collisions at LHC energies. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 961, pp. 169-182., Registrované v: WOS
 15. [1.1] SHI, Shuzhe - XU, Jiechen - LIAO, Jinfeng - GYULASSY, Miklos. A Unified Description for Comprehensive Sets of Jet Energy Loss Observables with CUJET3. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017,

vol. 967, pp. 648-651., Registrované v: WOS

16. [1.1] SHI, S.Z. - LIAO, J.F. - GYULASSY, M. Global constraints from RHIC and LHC on transport properties of QCD fluids in CUJET/CIBJET framework. In CHINESE PHYSICS C. ISSN 1674-1137, APR 2019, vol. 43, no. 4., Registrované v: WOS

17. [1.1] SONG, Taesoo - AICHELIN, Joerg - BRATKOVSKAYA, Elena. Production of primordial J / psi in relativistic p plus p and heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 1, art. no. 014907., Registrované v: WOS

18. [1.1] SONG, Taesoo - BERREHRAH, Hamza. Hadronization time of heavy quarks in nuclear matter. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 3, art. no. 034901., Registrované v: WOS

19. [1.1] SONG, Taesoo - BERREHRAH, Hamza - CABRERA, Daniel - CASSING, Wolfgang - BRATKOVSKAYA, Elena. Charm production in Pb plus Pb collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 3, art. no. 034906., Registrované v: WOS

20. [1.1] SONG, Taesoo - BERREHRAH, Hamza - TORRES-RINCON, Juan M. - TOLOS, Laura - CABRERA, Daniel - CASSING, Wolfgang - BRATKOVSKAYA, Elena. Single electrons from heavy-flavor mesons in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 1, art. no. 014905., Registrované v: WOS

21. [1.1] SONG, Taesoo - CASSING, Wolfgang - MOREAU, Pierre - BRATKOVSKAYA, Elena. Open charm and dileptons from relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 6, art. no. 064907., Registrované v: WOS

22. [1.1] SONG, T. - BERREHRAH, H. - BRATKOVSKAYA, E. L. - CABRERA, D. - CASSING, W. - TOLOS, L. - TORRES-RINCON, J. M. Heavy-quark dynamics in heavy-ion collisions. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012030., Registrované v: WOS

23. [1.1] SUN, Jiayin. Production cross-sections of prompt Lambda(+)(c) in pPb collisions at root s(NN)=5 TeV with the LHCb detector. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 18010., Registrované v: WOS

24. [1.1] WANG, S. - DAI, W. - ZHANG, B.W. - WANG, E.K. Diffusion of charm quarks in jets in high-energy heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 2019, vol. 79, no. 9., Registrované v: WOS

25. [1.1] XU, Jiechen - LIAO, Jinfeng - GYULASSY, Miklos. Consistency of Perfect Fluidity and Jet Quenching in Semi-Quark-Gluon Monopole Plasmas. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2015, vol. 32, no. 9, art. no. 092501., Registrované v: WOS

26. [1.1] XU, Jiechen - LIAO, Jinfeng - GYULASSY, Miklos. Long wavelength perfect fluidity from short distance jet transport in quark-gluon plasmas. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 617-620., Registrované v: WOS

27. [1.1] XU, P.Z. - ZHANG, W.N. Squeezed back-to-back correlations of bosons with nonzero widths in relativistic heavy-ion collisions. In PHYSICAL

REVIEW C. ISSN 2469-9985, JUL 23 2019, vol. 100, no. 1., Registrované v: WOS

28. [1.1] XU, Yingru - BERNHARD, Jonah E. - BASS, Steffen A. - NAHRGANG, Marlene. Data-driven analysis for the temperature and momentum dependence of the heavy-quark diffusion coefficient in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 1, art. no. 014907., Registrované v: WOS

29. [1.1] ZIGIC, D. - SALOM, I. - AUVINEN, J. - DJORDJEVIC, M. - DJORDJEVIC, M. DREENA-C framework: joint R(AA) and v(2) predictions and implications to QGP tomography. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, AUG 2019, vol. 46, no. 8., Registrované v: WOS

30. [1.1] ZIGIC, D. - SALOM, I. - AUVINEN, J. - DJORDJEVIC, M. - DJORDJEVIC, M. DREENA-B framework: First predictions of R-AA and v(2) within dynamical energy loss formalism in evolving QCD medium. In PHYSICS LETTERS B. ISSN 0370-2693, APR 10 2019, vol. 791, p. 236-241., Registrované v: WOS

ADCA44 ADAM, J. - ADAMOŤ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Azimuthal anisotropy of charged jet production in root s(NN)=2.76 TeV Pb–Pb collisions. In *Physics Letters B*, 2016, vol. 753, p. 511-525. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2015.12.047>

Ohlasy:

1. [1.1] ANDRES, C. - ARMESTO, N. - NIEMI, H. - PAATELAINEN, R. - SALGADO, C.A. Jet quenching as a probe of the initial stages in heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, APR 10 2020, vol. 803., Registrované v: WOS

2. [1.1] BEDNYAKOV, V. A. - RUSSAKOVICH, N. A. The Joint Institute for Nuclear Research in Experimental Physics of Elementary Particles. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, 2018, vol. 49, no. 3, pp. 331-373., Registrované v: WOS

3. [1.1] MILHANO, Jose Guilherme - ZAPP, Korinna Christine. Origins of the di-jet asymmetry in heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 288., Registrované v: WOS

4. [1.1] PANTUEV, V. S. Corona Effect in AA Collisions at the LHC. In JETP LETTERS. ISSN 0021-3640, 2017, vol. 105, no. 10, pp. 631-634., Registrované v: WOS

5. [1.1] RADI, A. Modeling charged-particle multiplicity distributions at LHC. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, NOV 30 2020, vol. 35, no. 36., Registrované v: WOS

ADCA45 ADAMOŤ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - AGRAWAL, N. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Azimuthally Differential Pion Femtoscopy in Pb-Pb Collisions at root s(NN)=2.76 TeV. In *Physical Review Letters*, 2017, vol. 118, no. 22, art. no. 222301. (2016: 8.462 - IF, Q1 - JCR, 4.196 -

SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.118.222301>

Ohlasy:

1. [1.1] GREIFENHAGEN, R. Two-Pion Intensity-Interferometry in Non-Central Collisions of Au + Au @ 1.23 A GeV. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, MAY 2020, vol. 51, no. 3, p. 288-292., Registrované v: WOS
2. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS

ADCA46 ACHARYA, S. - ACOSTA, F.T. - ADAMOVÁ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Azimuthally-differential pion femtoscopy relative to the third harmonic event plane in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. In *Physics Letters B*, 2018, vol. 785, p. 320-331. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.06.042>

Ohlasy:

1. [1.1] HE, J.J. - ZHANG, S. - MA, Y.G. - CHEN, J.H. - ZHONG, C. Clustering structure effect on Hanbury-Brown-Twiss correlation in $\sqrt{s_{NN}}=2.76$ TeV Au collisions at 200 GeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, FEB 11 2020, vol. 56, no. 2., Registrované v: WOS

ADCA47 ABELEV, Betty - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Beauty production in pp collisions at $\sqrt{s}=2.76$ TeV measured via semi-electronic decays. In *Physics Letters B*, 2014, vol. 738, p. 97-108. (2013: 6.019 - IF, Q1 - JCR, 3.707 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2014.09.026>

Ohlasy:

1. [1.1] ALBA, Paolo - ALBERICO, Wanda Maria - NADA, Alessandro - PANERO, Marco - STOECKER, Horst. Excluded-volume effects for a hadron gas in Yang-Mills theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 094511., Registrované v: WOS
2. [1.1] ALBA, Paolo. Role of repulsive interactions in the interplay with missing strange resonances. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 14001., Registrované v: WOS
3. [1.1] ALBA, P. - SARTI, V.M. - NORONHA-HOSTLER, J. - PAROTTO, P. - PORTILLO-VAZQUEZ, I. - RATTI, C. - STAFFORD, J.M. Influence of hadronic resonances on the chemical freeze-out in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 15 2020, vol. 101, no. 5., Registrované v: WOS
4. [1.1] ALBA, P. - VOVCHENKO, V. - GORENSTEIN, M. - STOECKER, H. Flavor-dependent eigenvolume interactions in a hadron resonance gas. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 974, pp.

22-34., Registrované v: WOS

5. [1.1] BECATTINI, Francesco - STEINHEIMER, Jan - STOCK, Reinhard - BLEICHER, Marcus. Hadronization conditions in relativistic nuclear collisions and the QCD pseudo-critical line. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 764, pp. 241-246., Registrované v: WOS

6. [1.1] BEGUN, Viktor - KIKOLA, Daniel - VOYCHENKO, Volodymyr - WIELANEK, Daniel. Estimation of the freeze-out parameters reachable in a fixed-target experiment at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034905., Registrované v: WOS

7. [1.1] BHATTACHARYA, Atri - ENBERG, Rikard - JEONG, Yu Seon - KIM, C. S. - RENO, Mary Hall - SARCEVIC, Ina - STASTO, Anna. Prompt atmospheric neutrino fluxes: perturbative QCD models and nuclear effects. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 11, art. no. 167., Registrované v: WOS

8. [1.1] BISWAS, D. Formation of light nuclei at chemical freezeout: Description within a statistical thermal model. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 3 2020, vol. 102, no. 5., Registrované v: WOS

9. [1.1] CAI, Yiming - COHEN, Thomas D. - GELMAN, Boris A. - YAMAUCHI, Yukari. Yields of weakly bound light nuclei as a probe of the statistical hadronization model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2., Registrované v: WOS

10. [1.1] FLORKOWSKI, Wojciech. Transverse-momentum spectra of strange particles produced in Pb plus Pb collisions at $\sqrt{s(NN)}=2.76$ TeV in the chemical non-equilibrium model. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012054., Registrované v: WOS

11. [1.1] GAO, Y-Q - LIU, F-H. Comparing Tsallis and Boltzmann temperatures from relativistic heavy ion collider and large hadron collider heavy-ion data. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, 2016, vol. 90, no. 3, pp. 319-334., Registrované v: WOS

12. [1.1] HE, Yuncun - LIN, Zi-Wei. Improved quark coalescence for a multi-phase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 1, art. no. 014910., Registrované v: WOS

13. [1.1] HE, Yuncun - LIN, Zi-Wei. Baryon spectra and antiparticle-to-particle ratios from the improved AMPT model. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 14004., Registrované v: WOS

14. [1.1] CHEN, Baoyi - ZHAO, Jiaying. Bottomonium continuous production from unequilibrium bottom quarks in ultrarelativistic heavy ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 772, pp. 819-824., Registrované v: WOS

15. [1.1] JEONG, Yu Seon - BHATTACHARYA, Atri - ENBERG, Rikard - KIM, C. S. - RENO, Mary Hall - SARCEVIC, Ina - STASTO, Anna. Prompt atmospheric neutrino flux from the various QCD models. In XLVI INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2016). ISSN 2100-014X, 2017, vol. 141, art. no. UNSP 07002., Registrované v: WOS

16. [1.1] KANAKUBO, Yuuka - OKAI, Michito - TACHIBANA, Yasuki

- HIRANO, Tetsufumi. Enhancement of strange baryons in high-multiplicity proton-proton and proton-nucleus collisions. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2018, no. 12, art. no. 121D01., Registrované v: WOS
17. [1.1] KANAKUBO, Y. - TACHIBANA, Y. - HIRANO, T. Unified description of hadron yield ratios from dynamical core-corona initialization. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 24 2020, vol. 101, no. 2., Registrované v: WOS
18. [1.1] KOCH, Peter - MULLER, Berndt - RAFELSKI, Johann. From strangeness enhancement to quark-gluon plasma discovery. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 31, art. no. 1730024., Registrované v: WOS
19. [1.1] KUMAR, V. - SHUKLA, P. - BHATTACHARYYA, A. Suppression of quarkonia in PbPb collisions at root S-NN=5.02TeV. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JAN 2020, vol. 47, no. 1., Registrované v: WOS
20. [1.1] MACIULA, Rafal - SZCZUREK, Antoni - LUSZCZAK, Marta. Open charm meson production at BNL RHIC within k(t)-factorization approach and revision of their semileptonic decays. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 054006., Registrované v: WOS
21. [1.1] MCDONALD, Scott - SHEN, Chun - FILLION-GOURDEAU, Francois - JEON, Sangyong - GALE, Charles. Hydrodynamic predictions for Pb plus Pb collisions at 5.02 TeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 064913., Registrované v: WOS
22. [1.1] MORITA, Kenji - OHNISHI, Akira - ETMINAN, Faisal - HATSUDA, Tetsuo. Probing multistrange dibaryons with proton-omega correlations in high-energy heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 3, art. no. 031901., Registrované v: WOS
23. [1.1] MORITA, K. - GONGYO, S. - HATSUDA, T. - HYODO, T. - KAMIYA, Y. - OHNISHI, A. Probing Omega Omega and p Omega dibaryons with femtoscopic correlations in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 6 2020, vol. 101, no. 1., Registrované v: WOS
24. [1.1] MOTORNENKO, A. - VOVCHENKO, V. - GREINER, C. - STOECKER, H. Kinetic freeze-out temperature from yields of short-lived resonances. In PHYSICAL REVIEW C. ISSN 0556-2813, AUG 13 2020, vol. 102, no. 2., Registrované v: WOS
25. [1.1] POBEREZHNYUK, R. - VOVCHENKO, V. - MOTORNENKO, A. - GORENSTEIN, M. - STOECKER, H. Chemical freeze-out conditions and fluctuations of conserved charges in heavy-ion collisions within a quantum van der Waals model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 5., Registrované v: WOS
26. [1.1] PU, Jie - SUN, Kai-Jia - CHEN, Lie-Wen. Extracting strange-quark freeze-out information in Pb plus Pb collisions at root S-NN=2.76 TeV from phi and ohm production. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 6, art. no. 064905., Registrované v: WOS
27. [1.1] SAGUN, V. V. - BUGAEV, K. A. - IVANYTSKYI, A. I. - OLIINYCHENKO, D. R. - MISHUSTIN, I. N. Nuclear and hadron matter equation of state within the induced surface tension approach. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS.

- ISSN 2100-014X, 2017, vol. 164, art. no. 07022., Registrované v: WOS
28. [1.1] VOVCHENKO, Volodymyr - GORENSTEIN, Mark - STOECKER, Horst. Finite resonance widths influence the thermal-model description of hadron yields. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034906., Registrované v: WOS
29. [1.1] WAQAS, M. - LIU, F-H - FAKHRADDIN, S. - RAHIM, M. A. Possible scenarios for single, double, or multiple kinetic freeze-out in high-energy collisions. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, 2019, vol. 93, no. 10, pp. 1329-1343., Registrované v: WOS

ADCA48 ACHARYA, S. - ACOSTA, F.T. - ADAMOVÁ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Centrality and pseudorapidity dependence of the charged-particle multiplicity density in Xe-Xe collisions at root s(NN)=5.44 TeV. In *Physics Letters B*, 2019, vol. 790, p. 35-48. (2018: 4.162 - IF, Q2 - JCR, 1.806 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na:
<https://doi.org/10.1016/j.physletb.2018.12.048>

Ohlasy:

1. [1.1] DJORDJEVIC, Magdalena - ZIGIC, Dusan - DJORDJEVIC, Marko - AUVINEN, Jussi. How to test path-length dependence in energy-loss mechanisms: Analysis leading to a new observable. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 6, art. no. 061902., Registrované v: WOS
2. [1.1] GARDIM, F.G. - GIACALONE, G. - LUZUM, M. - OLLITRAULT, J.Y. Thermodynamics of hot strong-interaction matter from ultrarelativistic nuclear collisions. In NATURE PHYSICS. ISSN 1745-2473, JUN 2020, vol. 16, no. 6, p. 615-+., Registrované v: WOS
3. [1.1] GIACALONE, Giuliano - MAZELIAUSKAS, Aleksas - SCHLICHTING, Soeren. Hydrodynamic Attractors, Initial State Energy, and Particle Production in Relativistic Nuclear Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 26, art. no. 262301., Registrované v: WOS
4. [1.1] GIACALONE, G. Constraining the quadrupole deformation of atomic nuclei with relativistic nuclear collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, AUG 3 2020, vol. 102, no. 2., Registrované v: WOS
5. [1.1] GIACALONE, G. Observing the Deformation of Nuclei with Relativistic Nuclear Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, MAY 19 2020, vol. 124, no. 20., Registrované v: WOS
6. [1.1] GIANNINI, Andre - GRASSI, Frederique - LUZUM, Matthew. Bulk quantities in nuclear collisions from running-coupling k(T) factorization and hybrid simulations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 1, art. no. 014912., Registrované v: WOS
7. [1.1] GUO, Z.L. - LI, B.C. - DONG, H.W. Transverse Momentum and Pseudorapidity Dependence of Particle Production in Xe-Xe Collision at root s(NN)=5.44 TeV. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, FEB 1 2020, vol. 2020., Registrované v: WOS
8. [1.1] CHATURVEDI, O.S.K. - SRIVASTAVA, P.K. - SINGH, A. - RAINA, P.K. - SINGH, B.K. Multiparticle production and geometric scaling in 5.44 TeV Xe-Xe collisions at the CERN Large Hadron Collider using wounded quark model. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444,

FEB 19 2020, vol. 135, no. 2., Registrované v: WOS

9. [1.1] JIA, J.Y. - ZHANG, C.J. - XU, J. Centrality fluctuations and decorrelations in heavy-ion collisions in a Glauber model. In PHYSICAL REVIEW RESEARCH. JUN 11 2020, vol. 2, no. 2., Registrované v: WOS

10. [1.1] KHACHATRYAN, V. - PRASZALOWICZ, M. Scaling properties of direct photon yields in heavy ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 24 2020, vol. 80, no. 7., Registrované v: WOS

11. [1.1] OKOROKOV, V. A. Global Characteristics of the Medium Produced in Ultra-High Energy Cosmic Ray Collisions. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2019, vol. 82, no. 6, pp. 838-844., Registrované v: WOS

12. [1.1] SCHENKE, B. - SHEN, C. - TRIBEDY, P. Running the gamut of high energy nuclear collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, OCT 15 2020, vol. 102, no. 4., Registrované v: WOS

13. [1.1] SIEVERT, M. - NORONHA-HOSTLER, J. CERN Large Hadron Collider system size scan predictions for PbPb, XeXe, ArAr, and OO with relativistic hydrodynamics. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2, art. no. 024904., Registrované v: WOS

14. [1.1] ZHAO, H.F. - LI, B.C. - DONG, H.W. Investigation of Particle Distributions in Xe-Xe Collision at $\sqrt{s}(NN)=5.44$ TeV with the Tsallis Statistics. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, FEB 11 2020, vol. 2020., Registrované v: WOS

15. [1.1] ZHU, Lilin - ZHENG, Hua - KONG, Ruimin. Centrality and transverse momentum dependencies of hadrons in Pb plus Pb collisions at $\sqrt{s}NN=5.02$ TeV and Xe plus Xe collisions at $\sqrt{s}NN=5.44$ TeV from a multi-phase transport model. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 11, art. no. 205., Registrované v: WOS

ADCA49 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Centrality and rapidity dependence of inclusive jet production in $\sqrt{s}(NN)-N-S=5.02$ TeV proton-lead collisions with the ATLAS detector. In *Physics Letters B*, 2015, vol. 748, p. 392-413. (2014: 6.131 - IF, Q1 - JCR, 3.562 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2015.07.023>

Ohlasy:

1. [1.1] ALVIOLI, M. - AZARKIN, M. - BLOK, B. - STRIKMAN, M. Revealing minijet dynamics via centrality dependence of double parton interactions in proton-nucleus collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 8 2019, vol. 79, no. 6., Registrované v: WOS

2. [1.1] ALVIOLI, M. - FRANKFURT, L. - GUZEY, V. - STRIKMAN, M. - ZHALOV, M. Mapping color fluctuations in the photon in ultraperipheral heavy ion collisions at the Large Hadron Collider. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 767, pp. 450-457., Registrované v: WOS

3. [1.1] ARLEO, Francois. Aspects of hard QCD processes in proton-nucleus collisions. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 71-76., Registrované v:

WOS

4. [1.1] ARMESTO, Nestor - PAUKKUNEN, Hannu - PENIN, Jose Manuel - SALGADO, Carlos A. - ZURITA, Pia. An analysis of the impact of LHC Run I proton-lead data on nuclear parton densities. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, art. no. 218., Registrované v: WOS
5. [1.1] BERAUDO, Andrea - DE PACE, Arturo - MONTENO, Marco - NARDI, Marzia - PRINO, Francesco. Heavy-flavour production in high-energy d-Au and p-Pb collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 123., Registrované v: WOS
6. [1.1] BZDAK, Adam - SKOKOV, Vladimir - BATHE, Stefan. Centrality dependence of high energy jets in p plus Pb collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 4, art. no. 044901., Registrované v: WOS
7. [1.1] CLOET, I. - DUPRE, R. - RIORDAN, S. - ARMSTRONG, W. - ARRINGTON, J. - COSYN, W. - FOMIN, N. - FREESE, A. - FUCINI, S. - GASKELL, D. - KEPPEL, C.E. - MILLER, G.A. - PACE, E. - PLATCHKOV, S. - REIMER, P.E. - SCOPETTA, S. - THOMAS, A.W. - ZURITA, P. Exposing novel quark and gluon effects in nuclei. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, SEP 2019, vol. 46, no. 9., Registrované v: WOS
8. [1.1] CONNORS, Megan - NATTRASS, Christine - REED, Rosi - SALUR, Sevil. Jet measurements in heavy ion physics. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2018, vol. 90, no. 2, art. no. 025005., Registrované v: WOS
9. [1.1] EPPLE, Eliane. Cold nuclear matter effects on jet suppression in heavy-ion collisions. In WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS (HOT QUARKS 2016). ISSN 1742-6588, 2017, vol. 832, art. no. UNSP 012006., Registrované v: WOS
10. [1.1] FRANKFURT, Leonid - STRIKMAN, Mark. Color fluctuations in high energy hadron- and photon-nucleus collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 28-29, art. no. 1645015., Registrované v: WOS
11. [1.1] HANKS, J. Ali. PHENIX results on jets in d plus Au. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 625-628., Registrované v: WOS
12. [1.1] HELENIUS, Ilkka - PAUKKUNEN, Hannu - ESKOLA, Kari J. Neutron-skin effect in direct-photon and charged-hadron production in Pb plus Pb collisions at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 3, art. no. 148., Registrované v: WOS
13. [1.1] CHIEN, Yang-Ting - EMERMAN, Alexander - KANG, Zhong-Bo - OVANESYAN, Grigory - VITEV, Ivan. Jet quenching from QCD evolution. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 074030., Registrované v: WOS
14. [1.1] CHIEN, Yang-Ting - VITEV, Ivan. Towards the understanding of jet shapes and cross sections in heavy ion collisions using soft-collinear effective theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 023., Registrované v: WOS
15. [1.1] JUNG, Kurt. Jet Spectra in pp, pA, and AA Collisions. In

- NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 36-41., Registrované v: WOS
16. [1.1] KANG, Zhong-Bo - VITEV, Ivan - XING, Hongxi. Effects of cold nuclear matter energy loss on inclusive jet production in p plus A collisions at energies available at the BNL Relativistic Heavy Ion Collider and the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 5, art. no. 054911., Registrované v: WOS
 17. [1.1] KOLBE, Isobel - HOROWITZ, William A. Is pQCD energy loss in trouble? In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 848-851., Registrované v: WOS
 18. [1.1] KOLBE, Isobel - HOROWITZ, W. A. A pQCD sized problem in small systems. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC. ISSN 1742-6588, 2017, vol. 878, art. no. UNSP 012025., Registrované v: WOS
 19. [1.1] KOLBE, Isobel - HOROWITZ, W. A. A generalization to all system sizes of DGLV energy loss in the quark-gluon plasma. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP 2017. ISSN 1742-6588, 2017, vol. 889, art. no. 889., Registrované v: WOS
 20. [1.1] KOLBE, Isobel - HOROWITZ, W. A. Short path length pQCD corrections to energy loss in the quark gluon plasma. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP 2016. ISSN 1742-6588, 2017, vol. 802, art. no. 802., Registrované v: WOS
 21. [1.1] KOLBE, I. - HOROWITZ, W.A. Short-path-length corrections to Djordjevic-Gyulassy-Levai-Vitev energy loss. In PHYSICAL REVIEW C. ISSN 2469-9985, AUG 26 2019, vol. 100, no. 2., Registrované v: WOS
 22. [1.1] KORDELL, Michael C. - MAJUMDER, Abhijit. Jets and Centrality in p(d)-A Collisions. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 276, pp. 353-356., Registrované v: WOS
 23. [1.1] KORDELL, Michael - MAJUMDER, Abhijit. Jets in d(p)-A collisions: Color transparency or energy conservation. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 5, art. no. 054904., Registrované v: WOS
 24. [1.1] KRIZEK, Filip. Event activity-dependence of jet production in p-Pb collisions at root S-NN=5.02 TeV measured with semi-inclusive hadron plus jet correlations by ALICE. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 321-324., Registrované v: WOS
 25. [1.1] KRIZEK, F. Correlations of High-p(T) Hadrons and Jets in ALICE. In UNIVERSE. MAY 2019, vol. 5, no. 5., Registrované v: WOS
 26. [1.1] LARIONOV, A.B. - STRIKMAN, M. Color transparency in $(p \rightarrow \pi^-) \pi^0$ p reaction. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, JAN 23 2020, vol. 56, no. 1., Registrované v: WOS
 27. [1.1] LOIZIDES, Constantin. Experimental overview on small collision systems at the LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 200-207., Registrované v: WOS
 28. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS
 29. [1.1] SALGADO, Carlos A. - WESSELS, Johannes P. Proton-Lead Collisions at the CERN LHC. In ANNUAL REVIEW OF NUCLEAR AND

PARTICLE SCIENCE, VOL 66. ISSN 0163-8998, 2016, vol. 66, pp. 449-473.,
Registrované v: WOS

30. [1.1] SCHENKE, Bjoern. Theory @ Hard Probes 2015. In
NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014,
2016, vol. 276, pp. 103-110., Registrované v: WOS

31. [1.1] SCHENKE, Bjorn. Origins of collectivity in small systems. In
NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 105-112.,
Registrované v: WOS

32. [1.1] SCHLICHTING, Soeren - TRIBEDY, Prithwish. Collectivity in
Small Collision Systems: An Initial-State Perspective. In ADVANCES IN HIGH
ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 8460349., Registrované v:
WOS

33. [1.1] ZAKHAROV, B. G. Effect of a Meson Cloud on the Jet Nuclear
Modification Factor in pA Collisions. In JETP LETTERS. ISSN 0021-3640,
2017, vol. 105, no. 4, pp. 219-222., Registrované v: WOS

34. [1.1] ZAPP, Korinna Christina - MILHANO, Guilherme -
WIEDEMANN, Urs Achim. The sensitivity of R-pA to colour recombination
effects. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp.
609-612., Registrované v: WOS

ADCA50 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA,
G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián -
MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Centrality dependence of
high-p(T) D meson suppression in Pb-Pb collisions at root s(NN)=2.76 TeV. In
Journal of High Energy Physics, 2015, no. 11, art. no. 205. (2014: 6.111 - IF, Q1 -
JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents,
WOS, SCOPUS). ISSN 1029-8479. Dostupné na:
[https://doi.org/10.1007/JHEP11\(2015\)205](https://doi.org/10.1007/JHEP11(2015)205)

Ohlasy:

1. [1.1] KELLY, Aoife - ROTHKOPF, Alexander - SKULLERUD,
Jon-Ivar. Bayesian study of relativistic open and hidden charm in anisotropic
lattice QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11,
art. no. 114509., Registrované v: WOS

2. [1.1] LOKHTIN, I. P. - SIDOROVA, A. A. Mechanisms of B Meson
Suppression in Ultrarelativistic Heavy Ion Collisions. In JOURNAL OF
EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2019,
vol. 128, no. 4, pp. 586-591., Registrované v: WOS

3. [1.1] MA, Rongrong. Experimental summary for heavy flavor
production. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS
IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no.
012020., Registrované v: WOS

4. [1.1] OROSZ, G.V. Non-violence against Terrorism? About Theories
of Violence by Stanley Hauerwas and Oliver O'Donovan. In ZEITSCHRIFT
FUR EVANGELISCHE ETHIK. ISSN 0044-2674, APR 2020, vol. 64, no. 2, p.
132-137., Registrované v: WOS

5. [1.1] PAPPALARDO, Luciano Libero. Production of open charm and
beauty states in pPb collisions with LHCb. In XIII INTERNATIONAL
CONFERENCE ON BEAUTY, CHARM AND HYPERON HADRONS
(BEACH 2018). ISSN 1742-6588, 2019, vol. 1137., Registrované v: WOS

6. [1.1] XU, Peng-Zhi - ZHANG, Wei-Ning. Squeezed back-to-back

correlations of bosons with nonzero widths in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 1., Registrované v: WOS

7. [1.1] YU, Gong-Ming - CAI, Yan-Bing - BAI, Zhen - HU, Qiang. Centrality Dependence of Charmed-Meson Photoproduction in Ultrarelativistic Heavy Ion Collisions. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2019, vol. 71, no. 5, pp. 563-567., Registrované v: WOS

ADCA51 ADAM, J. - ADAMOVIĆ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Centrality dependence of charged jet production in p-Pb collisions at $\sqrt{s(NN)}=5.02$ TeV. In *European Physical Journal C*, 2016, vol. 76, no. 5, art. no. 271. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4107-8>

Ohlasy:

1. [1.1] JUNG, Kurt. Jet Spectra in pp, pA, and AA Collisions. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 36-41., Registrované v: WOS

2. [1.1] KOLBE, Isobel - HOROWITZ, W. A. Short-path-length corrections to Djordjevic-Gyulassy-Levai-Vitev energy loss. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2., Registrované v: WOS

3. [1.1] NAGLE, James L. - ZAJC, William A. Small System Collectivity in Relativistic Hadronic and Nuclear Collisions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 68. ISSN 0163-8998, 2018, vol. 68, pp. 211-235., Registrované v: WOS

4. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS

ADCA52 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - ŠÁNDOR, Ladislav - VALA, Martin. Centrality dependence of charged particle production at large transverse momentum in Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV. In *Physics Letters B*, 2013, vol. 720, no. 1-3, p. 52-62. (2012: 4.569 - IF, Q1 - JCR, 3.353 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2013.01.051>

Ohlasy:

1. [1.1] ABDEL-WAGED, Khaled - FELEMBAN, Nuha. Interpretation of charged-particle spectra in p plus p and p plus Pb collisions at energies available at the CERN Large Hadron Collider using an improved HIJING code with a collective cascade. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 3, art. no. 034908., Registrované v: WOS

2. [1.1] ABDEL-WAGED, Khaled - FELEMBAN, Nuha. Effects of shadowing in Pb plus Pb collisions at energies available at the CERN Large Hadron Collider within the HIJING code. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 9, art. no. 155., Registrované v: WOS

3. [1.1] ARLEO, Francois. Quenching of Hadron Spectra in Heavy Ion Collisions at the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 6, art. no. 062302., Registrované v: WOS
4. [1.1] AVAKIAN, H. - BRESSAN, A. - CONTALBRIGO, M. Experimental results on TMDs. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 6, art. no. 150., Registrované v: WOS
5. [1.1] BATY, Austin A. Charged particle nuclear modification factor in PbPb at 5.02 TeV with CMS. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 421-424., Registrované v: WOS
6. [1.1] BETZ, Barbara. Jet Tomography in Heavy-Ion Collisions-Challenges, Results, and Open Problems. In NEW HORIZONS IN FUNDAMENTAL PHYSICS, 2017, pp. 199-208., Registrované v: WOS
7. [1.1] BETZ, Barbara. Jet Tomography in Heavy-Ion Collisions-Challenges, Results, and Open Problems. In NEW HORIZONS IN FUNDAMENTAL PHYSICS, 2017, pp. 199-208., Registrované v: WOS
8. [1.1] BIRO, T. S. - BARNAFOLDI, G. G. - BIRO, G. - SHEN, K. M. Near and Far from Equilibrium Power-Law Statistics. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012081., Registrované v: WOS
9. [1.1] BRATKOVSKAYA, E. L. - CASSING, W. - KONCHAKOVSKI, V. P. - TONEEV, V. D. The QGP dynamics in relativistic collisions. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2014). ISSN 1742-6588, 2015, vol. 623, art. no. 012005., Registrované v: WOS
10. [1.1] BRUNO, Giuseppe Eugenio. CERN achievements in relativistic heavy ion collisions. In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, art. no. 06001., Registrované v: WOS
11. [1.1] BYLINKIN, A. A. - CHERNYAYSKAYA, N. S. - ROSTOVTSEV, A. A. Two components in charged particle production in heavy-ion collisions. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 903, pp. 204-210., Registrované v: WOS
12. [1.1] CAO, Shanshan - LUO, Tan - QIN, Guang-You - WANG, Xin-Nian. Heavy and light flavor jet quenching at RHIC and LHC energies. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 777, pp. 255-259., Registrované v: WOS
13. [1.1] CAO, Shanshan. Recent development on heavy quark theory in heavy-ion collisions. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012006., Registrované v: WOS
14. [1.1] CAO, S.S. - MAJUMDER, A. Nuclear modification of leading hadrons and jets within a virtuality ordered parton shower. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 6 2020, vol. 101, no. 2., Registrované v: WOS
15. [1.1] CASTORINA, P. - IORIO, A. - LANTERI, D. - SATZ, H. - SPOUSTA, M. Universality in hadronic and nuclear collisions at high energy. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 11 2020, vol. 101, no. 5., Registrované v: WOS

16. [1.1] DAI, W. - XING, H.X. - ZHANG, B.W. - WANG, E.K. - WANG, X.N. Multiple scattering and parton energy loss in nuclei. In SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA. ISSN 1674-7275, 2019, vol. 49, no. 10., Registrované v: WOS
17. [1.1] DJORDJEVIC, Magdalena - BLAGOJEVIC, Bojana - ZIVKOVIC, Lidija. Mass tomography at different momentum ranges in quark-gluon plasma. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 4, art. no. 044908., Registrované v: WOS
18. [1.1] DUSLING, Kevin - MACE, Mark - VENUGOPALAN, Raju. Parton model description of multiparticle azimuthal correlations in pA collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 016014., Registrované v: WOS
19. [1.1] GOTSMAN, E. - LEVIN, E. Thermal radiation and inclusive production in the Kharzeev-Levin-Nardi model for ion-ion collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 12 2019, vol. 100, no. 3., Registrované v: WOS
20. [1.1] HARRIS, John W. Introduction to Hard Scattering Processes and Recent Results from Hard Probes at RHIC and LHC. In XXXVII BRAZILIAN MEETING ON NUCLEAR PHYSICS. ISSN 1742-6588, 2015, vol. 630, art. no. 012052., Registrované v: WOS
21. [1.1] CHANG, Ning-Bo - CAO, Shanshan - QIN, Guang-You. Probing medium-induced jet splitting and energy loss in heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 781, pp. 423-432., Registrované v: WOS
22. [1.1] CHANG, Ning-Bo - QIN, Guang-You. Full jet evolution in quark-gluon plasma and nuclear modification of jet production and jet shape in Pb plus Pb collisions at 2.76A TeV at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024902., Registrované v: WOS
23. [1.1] CHEN, Ya-Hui - LIU, Fu-Hu. Event patterns extracted from anisotropic spectra of charged particles produced in Pb-Pb collisions at 2.76 TeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 11, art. no. 230., Registrované v: WOS
24. [1.1] CHIEN, Yang-Ting - EMERMAN, Alexander - KANG, Zhong-Bo - OVANESYAN, Grigory - VITEV, Ivan. Jet quenching from QCD evolution. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 074030., Registrované v: WOS
25. [1.1] CHIEN, Yang-Ting - VITEV, Ivan. Towards the understanding of jet shapes and cross sections in heavy ion collisions using soft-collinear effective theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 023., Registrované v: WOS
26. [1.1] IANCU, Edmond - TAEELS, Pieter - WU, Bin. Jet quenching parameter in an expanding QCD plasma. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 786, pp. 288-295., Registrované v: WOS
27. [1.1] KOLBE, Isobel - HOROWITZ, William A. Is pQCD energy loss in trouble? In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 848-851., Registrované v: WOS
28. [1.1] KOLBE, Isobel - HOROWITZ, W. A. A pQCD sized problem in small systems. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC. ISSN 1742-6588, 2017, vol. 878, art. no. UNSP

012025., Registrované v: WOS

29. [1.1] KOLBE, Isobel - HOROWITZ, W. A. A generalization to all system sizes of DGLV energy loss in the quark-gluon plasma. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP 2017. ISSN 1742-6588, 2017, vol. 889, art. no. UNSP 012008., Registrované v: WOS

30. [1.1] KOLBE, Isobel - HOROWITZ, W. A. Short path length pQCD corrections to energy loss in the quark gluon plasma. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP 2016. ISSN 1742-6588, 2017, vol. 802, art. no. UNSP 012006., Registrované v: WOS

31. [1.1] KOLBE, I. - HOROWITZ, W.A. Short-path-length corrections to Djordjevic-Gyulassy-Levai-Vitev energy loss. In PHYSICAL REVIEW C. ISSN 2469-9985, AUG 26 2019, vol. 100, no. 2., Registrované v: WOS

32. [1.1] KONCHAKOVSKI, V. P. - CASSING, W. - TONEEV, V. D. Impact of the initial size of spatial fluctuations on the collective flow in Pb-Pb collisions at root S-NN=2.76 TeV. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 5, art. no. 055106., Registrované v: WOS

33. [1.1] KOPELIOVICH, B. Z. - NEMCHIK, J. - POTASHNIKOVA, I. K. - SCHMIDT, Ivan. High-p(T) hadrons in pA and AA collisions : Impact of energy conservation. In 9TH INTERNATIONAL WORKSHOP ON HIGH-PT PHYSICS AT LHC. ISSN 1742-6588, 2015, vol. 589, art. no. 012013., Registrované v: WOS

34. [1.1] LINNYK, O. - BRATKOVSKAYA, E. L. - GASSING, W. Effective QCD and transport description of dilepton and photon production in heavy-ion collisions and elementary processes. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 87, pp. 50-115., Registrované v: WOS

35. [1.1] LI, S. - WANG, C.W. - WANG, R.Z. - LIAO, J.F. Probing the transport properties of quark-gluon plasma via heavy-flavor Boltzmann and Langevin dynamics. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 28 2019, vol. 99, no. 5., Registrované v: WOS

36. [1.1] MCINNES, Brett. How does the Quark-Gluon Plasma know the collision energy? In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 927, pp. 455-467., Registrované v: WOS

37. [1.1] MIODUSZEWSKI, S. The quest to understand QCD matter using heavy nuclei in collisions. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 10, art. no. 108014., Registrované v: WOS

38. [1.1] MORREALE, Astrid - COLLABORATION, A. L. I. C. E. Production of pi(0), K-+/- and eta mesons in Pb-Pb and pp collisions at root s(N N)=2.76 TeV measured with the ALICE detector at the LHC. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012051., Registrované v: WOS

39. [1.1] MUELLER, A. H. - WU, Bin - XIAO, Bo-Wen - YUAN, Feng. Medium induced transverse momentum broadening in hard processes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034007., Registrované v: WOS

40. [1.1] NEMCHIK, Jan - PASECHNIK, Roman - POTASHNIKOVA, Irina. A heuristic description of high-p(T) hadron production in heavy ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015,

vol. 75, no. 2, art. no. 95., Registrované v: WOS

41. [1.1] NIEMI, H. - ESKOLA, K. J. - PAATELAINEN, R. Event-by-event fluctuations in a perturbative QCD plus saturation plus hydrodynamics model: Determining QCD matter shear viscosity in ultrarelativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 2, art. no. 024907., Registrované v: WOS
42. [1.1] NORONHA-HOSTLER, Jacquelyn - BETZ, Barbara - NORONHA, Jorge - GYULASSY, Miklos. Event-by-Event Hydrodynamics plus Jet Energy Loss: A Solution to the R-AA circle times $v(2)$ Puzzle. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 25, art. no. 252301., Registrované v: WOS
43. [1.1] NORONHA-HOSTLER, Jacquelyn. Jet modifications in event-by-event hydrodynamically evolving media. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 161-168., Registrované v: WOS
44. [1.1] NORONHA-HOSTLER, Jacquelyn. Resolving the R-AA to $v(n)$ puzzle. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 65-70., Registrované v: WOS
45. [1.1] NORONHA-HOSTLER, Jacquelyn - BETZ, Barbara - GYULASSY, Miklos - LUZUM, Matthew - NORONHA, Jorge - PORTILLO, Israel - RATTI, Claudia. Cumulants and nonlinear response of high $p(T)$ harmonic flow at root $s(NN)=5.02$ TeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 4, art. no. 044901., Registrované v: WOS
46. [1.1] OKAI, Michito - KAWAGUCHI, Koji - TACHIBANA, Yasuki - HIRANO, Tetsufumi. New approach to initializing hydrodynamic fields and mini-jet propagation in quark-gluon fluids. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 5, art. no. 054914., Registrované v: WOS
47. [1.1] ORTIZ, Antonio - VAZQUEZ, Omar. Energy density and path-length dependence of the fractional momentum loss in heavy-ion collisions at root $S(NN)$ from 62.4 to 5020 GeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 1, art. no. 014910., Registrované v: WOS
48. [1.1] RAMAMURTI, Adith - SHURYAK, Edward. Role of QCD monopoles in jet quenching. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 016010., Registrované v: WOS
49. [1.1] RAY, R. L. - BHATTARAI, P. Minimizing statistical and systematic bias in transverse momentum correlations for relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 6, art. no. 064902., Registrované v: WOS
50. [1.1] SENZEL, Florian - FOCHLER, Oliver - UPHOFF, Jan - XU, Zhe - GREINER, Carsten. Influence of multiple in-medium scattering processes on the momentum imbalance of reconstructed di-jets. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 11, art. no. 115104., Registrované v: WOS
51. [1.1] SHI, Shuzhe - XU, Jiechen - LIAO, Jinfeng - GYULASSY, Miklos. A Unified Description for Comprehensive Sets of Jet Energy Loss Observables with CUJET3. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 648-651., Registrované v: WOS
52. [1.1] SHI, S.Z. - LIAO, J.F. - GYULASSY, M. Global constraints from RHIC and LHC on transport properties of QCD fluids in CUJET/CIBJET framework. In CHINESE PHYSICS C. ISSN 1674-1137, APR 2019, vol. 43, no. 4., Registrované v: WOS

53. [1.1] SHUKLA, P. - SARASWAT, K. Understanding partonic energy loss from measured light charged particles and jets in PbPb collisions at LHC energies. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, DEC 2020, vol. 47, no. 12., Registrované v: WOS
54. [1.1] SCHULZ, P. - WOLSCHIN, G. Analysis of pPb collisions at LHC energies in the relativistic diffusion model. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 2, art. no. 18., Registrované v: WOS
55. [1.1] SPOUSTA, Martin - COLE, Brian. Interpreting single jet measurements in Pb plus Pb collisions at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 2, art. no. 50., Registrované v: WOS
56. [1.1] SPOUSTA, Martin. Flavor aspects of parton energy loss. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 53-58., Registrované v: WOS
57. [1.1] TANG, Z.B. - ZHA, W.M. - ZHANG, Y.F. An experimental review of open heavy flavor and quarkonium production at RHIC. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, AUG 4 2020, vol. 31, no. 8., Registrované v: WOS
58. [1.1] UPHOFF, Jan - FOCHLER, Oliver - XU, Zhe - GREINER, Carsten. Elastic and radiative heavy quark interactions in ultra-relativistic heavy-ion collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 11, art. no. 115106., Registrované v: WOS
59. [1.1] UPHOFF, Jan - SENZEL, Florian - FOCHLER, Oliver - WESP, Christian - XU, Zhe - GREINER, Carsten. Elliptic Flow and Nuclear Modification Factor in Ultrarelativistic Heavy-Ion Collisions within a Partonic Transport Model. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 11, art. no. 112301., Registrované v: WOS
60. [1.1] VITEV, Ivan. Soft-collinear effective theory for hadronic and nuclear collisions: The evolution of jet quenching from RHIC to the highest LHC energies. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 677-680., Registrované v: WOS
61. [1.1] WOLSCHIN, Georg. Beyond the thermal model in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024911., Registrované v: WOS
62. [1.1] WOLSCHIN, G. Aspects of Relativistic Heavy-Ion Collisions. In UNIVERSE. MAY 2020, vol. 6, no. 5., Registrované v: WOS
63. [1.1] XU, Jiechen - LIAO, Jinfeng - GYULASSY, Miklos. Consistency of Perfect Fluidity and Jet Quenching in Semi-Quark-Gluon Monopole Plasmas. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2015, vol. 32, no. 9, art. no. 092501., Registrované v: WOS
64. [1.1] XU, Jiechen - LIAO, Jinfeng - GYULASSY, Miklos. Bridging soft-hard transport properties of quark-gluon plasmas with CUJET3.0. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 2, art. no. 169., Registrované v: WOS
65. [1.1] YANG, Jing - REN, Yan-Yu - ZHANG, Wei-Ning. Pion Transverse Momentum Spectrum, Elliptic Flow, and Interferometry in the Granular Source Model for RHIC and LHC Heavy Ion Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no.

846154., Registrované v: WOS

66. [1.1] ZAKHAROV, B.G. Jet Quenching with T-dependent Running Coupling. In JETP LETTERS. ISSN 0021-3640, DEC 2020, vol. 112, no. 11, p. 681-687., Registrované v: WOS

67. [1.1] ZHANG, Le - HOU, De-Fu - QIN, Guang-You. Photon bremsstrahlung from quark jet via transverse and longitudinal scattering: Single versus multiple scattering. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024916., Registrované v: WOS

68. [1.1] ZHANG, Le - HOU, De-Fu - QIN, Guang-You. Medium-induced gluon emission via transverse and longitudinal scattering in dense nuclear matter. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034913., Registrované v: WOS

69. [1.1] ZHANG, L. - HOU, D.F. - QIN, G.Y. Gluon emission from heavy quarks in dense nuclear matter. In PHYSICAL REVIEW C. ISSN 2469-9985, SEP 30 2019, vol. 100, no. 3., Registrované v: WOS

70. [1.1] ZHOU, C. S. - MA, Y. G. - ZHANG, S. Scaling of nuclear modification factors for hadrons and light nuclei. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 12, art. no. 354., Registrované v: WOS

71. [1.1] ZHU, L.L. - HWA, R.C. A unified study of the production of all identified hadrons over wide ranges of transverse momenta at LHC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, MAY 2020, vol. 47, no. 5., Registrované v: WOS

72. [1.1] ZIGIC, D. - SALOM, I. - AUVINEN, J. - DJORDJEVIC, M. - DJORDJEVIC, M. DREENA-B framework: First predictions of R-AA and v_2 within dynamical energy loss formalism in evolving QCD medium. In PHYSICS LETTERS B. ISSN 0370-2693, APR 10 2019, vol. 791, p. 236-241., Registrované v: WOS

ADCA53 ADAM, J. - ADAMOVIĆ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Centrality dependence of inclusive J/psi production in p-Pb collisions at root S-NN=5.02TeV. In *Journal of High Energy Physics*, 2015, no. 11, art. no. 127. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP11\(2015\)127](https://doi.org/10.1007/JHEP11(2015)127)

Ohlasy:

1. [1.1] ARLEO, F. - NAIM, C.J. Nuclear p(perpendicular to)-broadening of Drell-Yan and quarkonium production from SPS to LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 29 2020, no. 7., Registrované v: WOS

2. [1.1] DINH, V. H. - HOELCK, J. - WOLSCHIN, G. Hot-medium effects on Upsilon yields in pPb collisions at root S-NN=8.16 TeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2., Registrované v: WOS

3. [1.1] DU, Xiaojian - RAPP, Ralf. In-medium charmonium production in proton-nucleus collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2019, no. 3., Registrované v: WOS

4. [1.1] CHEN, Baoyi - GUO, Tiecheng - LIU, Yunpeng - ZHUANG,

Pengfei. Cold and hot nuclear matter effects on charmonium production in p plus Pb collisions at LHC energy. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 765, no., pp. 323-327., Registrované v: WOS

5. [1.1] CHEN, Baoyi. Thermal production of charmonia in Pb-Pb collisions at root sNN=5.02 TeV. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 12., Registrované v: WOS

6. [1.1] CHEN, Gu - CHANG, Chao-Hsi - WU, Xing-Gang. B-c(*)-meson production via the proton-nucleus and the nucleus-nucleus collision modes at the colliders RHIC and LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 114022., Registrované v: WOS

7. [1.1] KOLBE, Isobel - HOROWITZ, William A. Is pQCD energy loss in trouble? In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 848-851., Registrované v: WOS

8. [1.1] KOLBE, Isobel - HOROWITZ, W. A. A pQCD sized problem in small systems. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC. ISSN 1742-6588, 2017, vol. 878, art. no. 012025., Registrované v: WOS

9. [1.1] KOLBE, Isobel - HOROWITZ, W. A. A generalization to all system sizes of DGLV energy loss in the quark-gluon plasma. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP 2017. ISSN 1742-6588, 2017, vol. 889, art. no. 012008., Registrované v: WOS

10. [1.1] KOLBE, Isobel - HOROWITZ, W. A. Short path length pQCD corrections to energy loss in the quark gluon plasma. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP 2016. ISSN 1742-6588, 2017, vol. 802, art. no. 012006., Registrované v: WOS

11. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS

12. [1.1] WATANABE, Kazuhiro. Quarkonium Production at Collider Energies in Small-x Formalism. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2017, vol. 58, no. 3, art. no. 134., Registrované v: WOS

13. [1.1] WOLSCHIN, G. Bottomonium spectroscopy in the quark-gluon plasma. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, OCT 20 2020, vol. 35, no. 29., Registrované v: WOS

ADCA54 ADAM, J. - ADAMOVIĆ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Centrality dependence of particle production in p-Pb collisions at root s(NN)=5.02 TeV. In *Physical Review C. Nuclear physics*, 2015, vol. 91, no. 6, art. no. 064905. (2014: 3.733 - IF, Q1 - JCR, 2.480 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.91.064905>

Ohlasy:

1. [1.1] ALVIOLI, M. - FRANKFURT, L. - PEREPELITSA, D. - STRIKMAN, M. Global analysis of color fluctuation effects in proton- and deuteron-nucleus collisions at RHIC and the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 071502., Registrované v: WOS

2. [1.1] ARAKELYAN, G. H. - MERINO, C. - SHABELSKI, Yu M.

Hadroproduction of neutral K^* -mesons up to LHC energies. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 9., Registrované v: WOS

3. [1.1] BIERLICH, Christian - GUSTAFSON, Gosta - LONNBLAD, Leif - SHAH, Harsh. The Angantyr model for heavy-ion collisions in Pythia8. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 134., Registrované v: WOS

4. [1.1] DAVID, G. Direct real photons in relativistic heavy ion collisions. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, APR 2020, vol. 83, no. 4., Registrované v: WOS

5. [1.1] DOMINE, Laura - GIACALONE, Giuliano - LORCE, Cedric - MUNIER, Stephane - PEKAR, Simon. Gluon density fluctuations in dilute hadrons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 114032., Registrované v: WOS

6. [1.1] DONG, Xin - LEE, Yen-Jie - RAPP, Ralf. Open Heavy-Flavor Production in Heavy-Ion Collisions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 69. ISSN 0163-8998, 2019, vol. 69, no., pp. 417-445., Registrované v: WOS

7. [1.1] DUCLOUE, B. - LAPPI, T. - MANTYSAARI, H. Forward J/ψ production at high energy: Centrality dependence and mean transverse momentum. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 074031., Registrované v: WOS

8. [1.1] DUMITRU, Adrian - GIANNINI, Andre V. - LUZUM, Matthew - NARA, Yasushi. Particle multiplicities in the central region of high-energy collisions from $k(T)$ -factorization with running coupling corrections. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 784, pp. 417-422., Registrované v: WOS

9. [1.1] DUMITRU, Adrian - KAPILEVICH, Gary - SKOKOV, Vladimir. The small- x gluon distribution in centrality biased pA and pp collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 974, pp. 106-123., Registrované v: WOS

10. [1.1] DUSLING, Kevin - LI, Wei - SCHENKE, Bjoern. Novel collective phenomena in high-energy proton-proton and proton-nucleus collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 1, art. no. 1630002., Registrované v: WOS

11. [1.1] DU, Xiaojian - RAPP, Ralf. In-medium charmonium production in proton-nucleus collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2019, no. 3., Registrované v: WOS

12. [1.1] GANESH, S. - SINGH, Captain R. - MISHRA, M. $\psi(2S)$ enhancement in p - Pb collision as an indication of quark-gluon plasma formation at the Large Hadron Collider. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 3, art. no. 035003., Registrované v: WOS

13. [1.1] GOULD, Oliver - HO, David L.J. - RAJANTIE, Arttu. Towards Schwinger production of magnetic monopoles in heavy-ion collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 1., Registrované v: WOS

14. [1.1] HE, X.W. - WU, F.M. - WEI, H.R. - HONG, B.H. Energy-Dependent Chemical Potentials of Light Hadrons and Quarks Based on

Transverse Momentum Spectra and Yield Ratios of Negative to Positive Particles. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, NOV 5 2020, vol. 2020., Registrované v: WOS

15. [1.1] IANCU, Edmond - REZAEIAN, Amir H. Elliptic flow from color-dipole orientation in pp and pA collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 094003., Registrované v: WOS

16. [1.1] JIA, Jiangyong - RADHAKRISHNAN, Sooraj - ZHOU, Mingliang. Forward-backward multiplicity fluctuation and longitudinal harmonics in high-energy nuclear collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 4, art. no. 044905., Registrované v: WOS

17. [1.1] JIA, Jiangyong - RADHAKRISHNAN, Sooraj - ZHOU, Mingliang - HUO, Peng. Forward-backward multiplicity fluctuation and longitudinal harmonics in high-energy nuclear collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 401-404., Registrované v: WOS

18. [1.1] KOLBE, Isobel - HOROWITZ, W. A. Short-path-length corrections to Djordjevic-Gyulassy-Levai-Vitev energy loss. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2., Registrované v: WOS

19. [1.1] KOLBE, I. - HOROWITZ, W. A. - MOGLIACCI, S. Small System Corrections to Thermal Field Theory and pQCD Energy Loss. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2018). ISSN 1742-6588, 2019, vol. 1271., Registrované v: WOS

20. [1.1] KUNDU, Sourav. Identified Hadron Production in Proton-Proton Collisions at $\sqrt{s}=13$ TeV with ALICE at the LHC. In XXII DAE HIGH ENERGY PHYSICS SYMPOSIUM. ISSN 0930-8989, 2018, vol. 203, pp. 497-499., Registrované v: WOS

21. [1.1] KURKELA, Aleksi - WIEDEMANN, Urs Achim - WU, Bin. Flow in AA and pA as an interplay of fluid-like and non-fluid like excitations. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 11., Registrované v: WOS

22. [1.1] LIU, Na - DU, Xiaoling - QIAO, Liyun - CHE, Guorong - ZHANG, Wenchao. Universal scaling of meson and baryon spectra in p-Pb collisions at 5.02 TeV. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, 2019, vol. 28, no. 5., Registrované v: WOS

23. [1.1] MALECKI, Bartosz. Bose-Einstein Correlations in pp and pPb Collisions at LHCb. In UNIVERSE. ISSN 2218-1997, 2019, vol. 5, no. 4., Registrované v: WOS

24. [1.1] MCGLINCHEY, D. - NAGLE, J. L. - PEREPELITSA, D. V. Consequences of high-x proton size fluctuations in small collision systems at $\sqrt{s_{NN}}=200$ GeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024915., Registrované v: WOS

25. [1.1] MORELAND, J.S. - BERNHARD, J.E. - BASS, S.A. Bayesian calibration of a hybrid nuclear collision model using p-Pb and Pb-Pb data at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 21 2020, vol. 101, no. 2., Registrované v: WOS

26. [1.1] NAGLE, James L. - ZAJC, William A. Small System Collectivity in Relativistic Hadronic and Nuclear Collisions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 68. ISSN 0163-8998, 2018, vol. 68, pp. 211-235., Registrované v: WOS

27. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L.

Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS

28. [1.1] PEREPELITSA, Dennis V. Hard processes in small systems. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 113-120., Registrované v: WOS

29. [1.1] PEREPELITSA, D.V. Connection between soft and hard probes of small collision systems at RHIC and LHC. In XLIX INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2019). ISSN 2100-014X, 2020, vol. 235., Registrované v: WOS

30. [1.1] PIRNER, H. J. - KOPELIOVICH, B. Z. Rapidity distributions of hadrons in proton-nucleus collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 5, art. no. 054901., Registrované v: WOS

31. [1.1] PLASTINO, A. - ROCCA, M. C. On the entropic derivation of the $r(-2)$ Newtonian gravity force. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2018, vol. 505, pp. 190-195., Registrované v: WOS

32. [1.1] PLASTINO, A. - ROCCA, M. C. Tsallis' quantum q-fields. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 5, art. no. 053102., Registrované v: WOS

33. [1.1] PLUMBERG, C. Hanbury-Brown-Twiss interferometry and collectivity in p plus p, p plus Pb, and Pb plus Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 13 2020, vol. 102, no. 5., Registrované v: WOS

34. [1.1] QIAO, L.Y. - CHE, G.R. - GU, J.B. - ZHENG, H. - ZHANG, W.C. Nuclear modification factor in Pb-Pb and p-Pb collisions using Boltzmann transport equation. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JUL 2020, vol. 47, no. 7., Registrované v: WOS

35. [1.1] ROGLY, Rudolph - GIACALONE, Giuliano - OLLITRAULT, Jean-Yves. Reconstructing the impact parameter of proton-nucleus and nucleus-nucleus collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 024902., Registrované v: WOS

36. [1.1] ROHRMOSER, M. - BRONIOWSKI, W. Longitudinal correlations from fluctuating strings in Pb-Pb, p-Pb, and p-p collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 10 2020, vol. 101, no. 1., Registrované v: WOS

37. [1.1] SCHLICHTING, Soeren - TRIBEDY, Prithwish. Collectivity in Small Collision Systems: An Initial-State Perspective. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 8460349., Registrované v: WOS

38. [1.1] SCHULZ, P. - WOLSCHIN, G. Diffusion-model analysis of pPb and PbPb collisions at LHC energies. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2018, vol. 33, no. 17, art. no. 1850098., Registrované v: WOS

39. [1.1] SINGH, Captain R. - GANESH, S. - MISHRA, M. Centrality and transverse momentum dependent suppression of $\phi(1S)$ and $\phi(2S)$ in p-Pb and Pb-Pb collisions at the CERN Large Hadron Collider. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 2., Registrované v: WOS

40. [1.1] SURANYI, Oliver. y Study of Very Forward Neutrons with the CMS Zero Degree Calorimeter. In UNIVERSE, 2019, vol. 5, no. 10.,

Registrované v: WOS

41. [1.1] TRAINOR, T.A. A two-component model for identified-hadron p(t) spectra from 5 TeV p-Pb collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, FEB 2020, vol.

47, no. 4., Registrované v: WOS

42. [1.1] WELSH, Kevin - SINGER, Jordan - HEINZ, Ulrich. Initial-state fluctuations in collisions between light and heavy ions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024919., Registrované v: WOS

43. [1.1] WOLSCHIN, Georg. Beyond the thermal model in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024911., Registrované v: WOS

44. [1.1] YUREVICH, V. I. Neutron productions in the fragmentation of relativistic heavy nuclei and formation of a beam of high-energy neutrons. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2016, vol. 79, no. 2, pp. 228-235., Registrované v: WOS

45. [1.1] ZAKHAROV, B. G. Monte Carlo Glauber wounded nucleon model with meson cloud. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2017, vol. 124, no. 6, pp. 860-876., Registrované v: WOS

ADCA55 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Centrality dependence of pion freeze-out radii in Pb-Pb collisions at root s(NN)=2.76 TeV. In *Physical Review C. Nuclear physics*, 2016, vol. 93, no. 2, art. no. 024905. (2015: 3.146 - IF, Q2 - JCR, 1.993 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.93.024905>

Ohlasy:

1. [1.1] BASS, Steven D. - MOSKAL, Pawel. eta ' and eta mesons with connection to anomalous glue. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2019, vol. 91, no. 1., Registrované v: WOS

2. [1.1] BAZAK, Sylwia - MROWCZYNSKI, Stanislaw. He-4 versus Li-4 and production of light nuclei in relativistic heavy-ion collisions. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2018, vol. 33, no. 25, art. no. 1850142., Registrované v: WOS

3. [1.1] BAZAK, S. - MROWCZYNSKI, S. Production of Li-4 and p-He-3 correlation function in relativistic heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, JUL 28 2020, vol. 56, no. 7., Registrované v: WOS

4. [1.1] IRFAN, Shaheen - AKRAM, Faisal - MASUD, Bilal - SHAFaq, Bushra. Interactions of B-c mesons in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 6., Registrované v: WOS

5. [1.1] MROWCZYNSKI, Stanislaw. PRODUCTION OF LIGHT NUCLEI IN THE THERMAL AND COALESCENCE MODELS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 4, pp. 707-716., Registrované v: WOS

6. [1.1] MROWCZYNSKI, S. Production of light nuclei at colliders - coalescence vs. thermal model. In EUROPEAN PHYSICAL

JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 22-23, p. 3559-3583., Registrované v: WOS

7. [1.1] SINYUKOV, Yu. M. - SHAPOVAL, V. M. PRODUCTION AND CORRELATIONS OF STRANGE MESONS AND BARYONS AT RHIC AND LHC IN HYDROKINETIC MODEL. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 7, pp. 1883-1908., Registrované v: WOS

8. [1.1] YANG, Jing - ZHANG, Wei-Ning - REN, Yan-Yu. Pion transverse-momentum spectrum, elliptic flow, and Hanbury-Brown-Twiss interferometry in a viscous granular source model. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 8, art. no. 084102., Registrované v: WOS

ADCA56 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Centrality dependence of π , K, and p production in Pb-Pb collisions at root $s(NN)=2.76$ TeV. In *Physical Review C. Nuclear physics*, 2013, vol. 88, no. 4, art. no. 044910. (2012: 3.715 - IF, 2.769 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.88.044910>

Ohlasy:

1. [1.1] ALBA, Paolo. Role of repulsive interactions in the interplay with missing strange resonances. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 14001., Registrované v: WOS

2. [1.1] ALBA, P. - SARTI, V.M. - NORONHA-HOSTLER, J. - PAROTTO, P. - PORTILLO-VAZQUEZ, I. - RATTI, C. - STAFFORD, J.M. Influence of hadronic resonances on the chemical freeze-out in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 15 2020, vol. 101, no. 5., Registrované v: WOS

3. [1.1] ALBA, P. - VOVCHENKO, V. - GORENSTEIN, M. - STOECKER, H. Flavor-dependent eigenvolume interactions in a hadron resonance gas. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 974, pp. 22-34., Registrované v: WOS

4. [1.1] ALQAHTANI, Mubarak - NOPOUSH, Mohammad - RYBLEWSKI, Radoslaw - STRICKLAND, Michael. Anisotropic hydrodynamic modeling of 2.76 TeV Pb-Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 4, art. no. 044910., Registrované v: WOS

5. [1.1] ALQAHTANI, Mubarak - NOPOUSH, Mohammad - RYBLEWSKI, Radoslaw - STRICKLAND, Michael. (3+1)D Quasiparticle Anisotropic Hydrodynamics for Ultrarelativistic Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 4, art. no. 042301., Registrované v: WOS

6. [1.1] ALQAHTANI, Mubarak - NOPOUSH, Mohammad - STRICKLAND, Michael. Relativistic anisotropic hydrodynamics. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 101, pp. 204-248., Registrované v: WOS

7. [1.1] ALQAHTANI, M. - ALMAALOL, D. - NOPOUSH, M. - RYBLEWSKI, R. - STRICKLAND, M. Anisotropic hydrodynamic modeling of heavy-ion collisions at LHC and RHIC. In NUCLEAR PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 423-426., Registrované v: WOS

8. [1.1] ASAKAWA, Masayuki - KITAZAWA, Masakiyo. Fluctuations

- of conserved charges in relativistic heavy ion collisions: An introduction. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 90, pp. 299-342., Registrované v: WOS
9. [1.1] AUVINEN, J. - ESKOLA, K.J. - HUOVINEN, P. - NEMI, H. - PAATELAINEN, R. - PETRECZKY, P. Temperature dependence of η/s of strongly interacting matter: Effects of the equation of state and the parametric form of $(\eta/s)(T)$. In PHYSICAL REVIEW C. ISSN 0556-2813, OCT 21 2020, vol. 102, no. 4., Registrované v: WOS
10. [1.1] AYALA, Alejandro - MERCADO, Pedro - VILLAVICENCIO, C. Magnetic catalysis of a finite-size pion condensate. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 1, art. no. 014904., Registrované v: WOS
11. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
12. [1.1] BASHIR, Inam-ul - UDDIN, Saeed. Centrality Dependence of $K^*(892)(0)$ and $\phi(1020)$ Production at LHC. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2017, vol. 68, no. 4, pp. 500-504., Registrované v: WOS
13. [1.1] BECATTINI, Francesco. Freeze-out dynamics in heavy-ion collisions: Recent advances. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2015, vol. 84, no. 5, pp. 747-755., Registrované v: WOS
14. [1.1] BECATTINI, Francesco - STEINHEIMER, Jan - STOCK, Reinhard - BLEICHER, Marcus. Hadronization conditions in relativistic nuclear collisions and the QCD pseudo-critical line. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 764, pp. 241-246., Registrované v: WOS
15. [1.1] BEGUN, Viktor - FLORKOWSKI, Wojciech. Bose-Einstein condensation of pions in heavy-ion collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 5, art. no. 054909., Registrované v: WOS
16. [1.1] BEGUN, Viktor - KIKOLA, Daniel - VOYCHENKO, Volodymyr - WIELANEK, Daniel. Estimation of the freeze-out parameters reachable in a fixed-target experiment at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034905., Registrované v: WOS
17. [1.1] BEGUN, Viktor. Fluctuations as a test of chemical nonequilibrium at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 5, art. no. 054904., Registrované v: WOS
18. [1.1] BEGUN, Viktor. Thermal model for Pb plus Pb collisions at root S-NN=2.76 TeV with explicit treatment of hadronic ground states. In RESONANCE WORKSHOP AT CATANIA. ISSN 2100-014X, 2015, vol. 97, art. no. 00003., Registrované v: WOS
19. [1.1] BEITEL, M. - GALLMEISTER, K. - GREINER, C. Fast Dynamical Evolution of Hadron Resonance Gas via Hagedorn States. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012076., Registrované v: WOS
20. [1.1] BEITEL, M. - GREINER, C. - STOECKER, H. Fast dynamical evolution of a hadron resonance gas via Hagedorn states. In PHYSICAL

REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 021902.,
Registrované v: WOS

21. [1.1] BERNHARD, Jonah E. - MORELAND, J. Scott - BASS, Steffen A. - LIU, Jia - HEINZ, Ulrich. Applying Bayesian parameter estimation to relativistic heavy-ion collisions: Simultaneous characterization of the initial state and quark-gluon plasma medium. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024907., Registrované v: WOS

22. [1.1] BERNHARD, Jonah E. - MORELAND, J. Scott - BASS, Steffen A. Characterization of the initial state and QGP medium from a combined Bayesian analysis of LHC data at 2.76 and 5.02 TeV. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 293-296., Registrované v: WOS

23. [1.1] BERNHARD, J.E. - MORELAND, J.S. - BASS, S.A. Bayesian estimation of the specific shear and bulk viscosity of quark-gluon plasma. In NATURE PHYSICS. ISSN 1745-2473, NOV 2019, vol. 15, no. 11, p. 1113-+., Registrované v: WOS

24. [1.1] BHALERAO, Rajeev S. - JAISWAL, Amaresh - PAL, Subrata. Collective flow in event-by-event partonic transport plus hydrodynamics hybrid approach. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 92, no. 1, art. no. 014903., Registrované v: WOS

25. [1.1] BHATTACHARYYA, S. - BISWAS, D. - GHOSH, S.K. - RAY, R. - SINGHA, P. Novel scheme for parametrizing the chemical freeze-out surface in heavy ion collision experiments. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 26 2019, vol. 100, no. 5., Registrované v: WOS

26. [1.1] BHATTACHARYYA, S. - BISWAS, D. - GHOSH, S.K. - RAY, R. - SINGHA, P. Systematics of chemical freeze-out parameters in heavy-ion collision experiments. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 4 2020, vol. 101, no. 5., Registrované v: WOS

27. [1.1] BISWAS, D. Formation of light nuclei at chemical freezeout: Description within a statistical thermal model. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 3 2020, vol. 102, no. 5., Registrované v: WOS

28. [1.1] BREWER, Jasmine - RAJAGOPAL, Krishna - SADOBYEV, Andrey - VAN DER SCHEE, Wilke. Evolution of the mean jet shape and dijet asymmetry distribution of an ensemble of holographic jets in strongly coupled plasma. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 015., Registrované v: WOS

29. [1.1] BUSZA, Wit - RAJAGOPAL, Krishna - VAN DER SCHEE, Wilke. Heavy Ion Collisions: The Big Picture and the Big Questions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 68. ISSN 0163-8998, 2018, vol. 68, pp. 339-376., Registrované v: WOS

30. [1.1] CAI, Y.M. - COHEN, T.D. - GELMAN, B.A. - YAMAUCHI, Y. Yields of weakly bound light nuclei as a probe of the statistical hadronization model. In PHYSICAL REVIEW C. ISSN 2469-9985, AUG 23 2019, vol. 100, no. 2., Registrované v: WOS

31. [1.1] CASTORINA, P. - IORIO, A. - LANTERI, D. - SATZ, H. - SPOUSTA, M. Universality in hadronic and nuclear collisions at high energy. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 11 2020, vol. 101, no. 5., Registrované v: WOS

32. [1.1] DASGUPTA, Pingal - CHATTERJEE, Rupa - SINGH, Sushant K. - ALAM, Jan-e. Effects of initial-state nucleon shadowing on the elliptic flow of thermal photons. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97,

- no. 3, art. no. 034902., Registrované v: WOS
33. [1.1] DUSLING, Kevin - LI, Wei - SCHENKE, Bjoern. Novel collective phenomena in high-energy proton-proton and proton-nucleus collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 1, art. no. 1630002., Registrované v: WOS
34. [1.1] GAO, Y-Q - LIU, F-H. Comparing Tsallis and Boltzmann temperatures from relativistic heavy ion collider and large hadron collider heavy-ion data. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, 2016, vol. 90, no. 3, pp. 319-334., Registrované v: WOS
35. [1.1] GIACALONE, Giuliano - NORONHA-HOSTLER, Jacquelyn - LUZUM, Matthew - OLLITRAULT, Jean-Yves. Hydrodynamic predictions for 5.44 TeV Xe+Xe collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034904., Registrované v: WOS
36. [1.1] GOUDARZI, A. - WANG, G. - HUANG, H.Z. Evidence of coalescence sum rule in elliptic flow of identified particles in high-energy heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS
37. [1.1] HABICH, M. - NAGLE, J. L. - ROMATSCHKE, P. Particle spectra and HBT radii for simulated central nuclear collisions of C plus C, Al plus Al, Cu plus Cu, Au plus Au, and Pb plus Pb from root s=62.4-2760 GeV. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 1, art. no. 15., Registrované v: WOS
38. [1.1] HEINZ, Ulrich - LIU, Jia. Pre-equilibrium dynamics and heavy-ion observables. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 549-552., Registrované v: WOS
39. [1.1] HE, X.W. - WU, F.M. - WEI, H.R. - HONG, B.H. Energy-Dependent Chemical Potentials of Light Hadrons and Quarks Based on Transverse Momentum Spectra and Yield Ratios of Negative to Positive Particles. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, NOV 5 2020, vol. 2020., Registrované v: WOS
40. [1.1] HE, Yuncun - LIN, Zi-Wei. Improved quark coalescence for a multi-phase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 1, art. no. 014910., Registrované v: WOS
41. [1.1] HE, Yuncun - LIN, Zi-Wei. Baryon spectra and antiparticle-to-particle ratios from the improved AMPT model. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 14004., Registrované v: WOS
42. [1.1] HUI, Jia-Qi - JIANG, Zhi-Jin - XU, Dong-Fang. A Description of the Transverse Momentum Distributions of Charged Particles Produced in Heavy Ion Collisions at RHIC and LHC Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2018, art. no. 7682325., Registrované v: WOS
43. [1.1] HWA, Rudolph C. - ZHU, Lilin. Universal formula for baryon spectra in heavy-ion collisions and its implications. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 5, art. no. 054908., Registrované v: WOS
44. [1.1] CHATURVEDI, O.S.K. - SRIVASTAVA, P.K. - SINGH, A. - RAINA, P.K. - SINGH, B.K. Multiparticle production and geometric scaling in 5.44 TeV Xe-Xe collisions at the CERN Large Hadron Collider using wounded

- quark model. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, FEB 19 2020, vol. 135, no. 2., Registrované v: WOS
45. [1.1] INGHIRAMI, G. - HILLMANN, P. - TOMASIK, B. - BLEICHER, M. Temperatures and chemical potentials at kinetic freeze-out in relativistic heavy ion collisions from coarse grained transport simulations. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, FEB 2020, vol. 47, no. 2., Registrované v: WOS
46. [1.1] JACAZIO, Nicolo. Production of identified charged hadrons in Pb-Pb collisions at $\sqrt{s(NN)}=5.02$ TeV. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 421-424., Registrované v: WOS
47. [1.1] JAISWAL, Amaresh - BHADURI, Partha Pratim. Effect of an anisotropic escape mechanism on elliptic flow in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 4, art. no. 044909., Registrované v: WOS
48. [1.1] JAISWAL, Amaresh - KOCH, Volker. A viscous blast-wave model for heavy-ion collisions. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012065., Registrované v: WOS
49. [1.1] JIANG, Zhi-Jin - HUI, Jia-Qi - DENG, Hai-Ping. Unified Hydrodynamics and Pseudorapidity Distributions of Charged Particles Produced in Heavy Ion Collisions at Low Energies at RHIC. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2017, vol. 34, no. 5, art. no. 052501., Registrované v: WOS
50. [1.1] JIANG, Zhi-Jin - HUI, Jia-Qi - ZHANG, Yu. The Rapidity Distributions and the Thermalization Induced Transverse Momentum Distributions in Au-Au Collisions at RHIC Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, art. no. 6896524., Registrované v: WOS
51. [1.1] JIANG, Z. J. - HUI, J. Q. - ZHANG, Y. A hydrodynamic model including phase transition and the thermal motion-induced transverse momentum distributions in high energy heavy ion collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2017, vol. 26, no. 7, art. no. 1750045., Registrované v: WOS
52. [1.1] KANAKUBO, Y. - TACHIBANA, Y. - HIRANO, T. Unified description of hadron yield ratios from dynamical core-corona initialization. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 24 2020, vol. 101, no. 2., Registrované v: WOS
53. [1.1] KASMAEI, B.S. - STRICKLAND, M. Dilepton production and elliptic flow from an anisotropic quark-gluon plasma. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 19 2019, vol. 99, no. 3., Registrované v: WOS
54. [1.1] KIM, Young-Min - LEE, Chang-Hwan - TEANEY, Derek - ZAHED, Ismail. Direct photon elliptic flow at energies available at the BNL Relativistic Heavy Ion Collider and the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 1, art. no. 015201., Registrované v: WOS
55. [1.1] KOFARAGO, Monika. Near-side jet peak broadening in Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 342-345., Registrované v: WOS
56. [1.1] KOLOMEITSEV, E. E. - VOSKRESENSKY, D. N.

- Fluctuations in non-ideal pion gas with dynamically fixed particle number. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 973, pp. 89-103., Registrované v: WOS
57. [1.1] LAO, Hai-Ling - LIU, Fu-Hu - LI, Bao-Chun - DUAN, Mai-Ying. Kinetic freeze-out temperatures in central and peripheral collisions: which one is larger? In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2018, vol. 29, no. 6, art. no. 82., Registrované v: WOS
58. [1.1] LAO, Hai-Ling - WEI, Hua-Rong - LIU, Fu-Hu - LACEY, Roy A. An evidence of mass-dependent differential kinetic freeze-out scenario observed in Pb-Pb collisions at 2.76 TeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 7, art. no. 203., Registrované v: WOS
59. [1.1] LAO, H.L. - GAO, Y.Q. - LIU, F.H. Energy Dependent Chemical Potentials of Light Particles and Quarks from Yield Ratios of Antiparticles to Particles in High Energy Collisions. In UNIVERSE. JUN 2019, vol. 5, no. 6., Registrované v: WOS
60. [1.1] LIU, Jia - SHEN, Chun - HEINZ, Ulrich. Pre-equilibrium evolution effects on heavy-ion collision observables. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 6, art. no. 064906., Registrované v: WOS
61. [1.1] LIU, Jie - ZHAO, Li-Dong - XU, Xiao-Zhao - YIN, Hui-Zeng. Effect of pion versus kaon interferometry on the chaotic parameter. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2015, vol. 30, no. 18, art. no. 1550086., Registrované v: WOS
62. [1.1] LI, L.L. - LIU, F.H. - WAQAS, M. - AL-YUSUFI, R. - MUJEAR, A. Excitation Functions of Related Parameters from Transverse Momentum (Mass) Spectra in High-Energy Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, JUN 10 2020, vol. 2020., Registrované v: WOS
63. [1.1] LO, Pok Man. Resonance decay dynamics and their effects on p(T) spectra of pions in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 035210., Registrované v: WOS
64. [1.1] LO, P.M. - GIACOSA, F. Thermal contribution of unstable states. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, APR 13 2019, vol. 79, no. 4., Registrované v: WOS
65. [1.1] LU, Fan - CHEN, Qichang - MAO, Hong. Pion string evolving in a thermal bath. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 8, art. no. 085036., Registrované v: WOS
66. [1.1] LYKASOV, G. I. - MALAKHOV, A. I. Self-consistent analysis of hadron production in pp and AA collisions at mid-rapidity. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 11, art. no. 187., Registrované v: WOS
67. [1.1] MAZELIAUSKAS, A. - VISLAVICIUS, V. Temperature and fluid velocity on the freeze-out surface from pi, K, and p spectra in pp, p-Pb, and Pb-Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 17 2020, vol. 101, no. 1., Registrované v: WOS
68. [1.1] MA, Guo-Liang - LIN, Zi-Wei. Predictions for root $s(\text{NN})=5.02$ TeV Pb + Pb collisions from a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 5, art. no. 054911., Registrované v: WOS
69. [1.1] MCDONALD, Scott - SHEN, Chun - FILLION-GOURDEAU,

- Francois - JEON, Sangyong - GALE, Charles. Hydrodynamic predictions for Pb plus Pb collisions at 5.02 TeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 064913., Registrované v: WOS
70. [1.1] MELO, Ivan - TOMASIK, Boris. Reconstructing the final state of Pb plus Pb collisions at $\sqrt{s(NN)}=2.76\text{TeV}$. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 1, art. no. 015102., Registrované v: WOS
71. [1.1] MELO, I. - TOMASIK, B. Kinetic freeze-out in central heavy-ion collisions between 7.7 and 2760 GeV per nucleon pair. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, FEB 2020, vol. 47, no. 4., Registrované v: WOS
72. [1.1] MONNAI, Akihiko - OLLITRAULT, Jean-Yves. Constraining the equation of state with identified particle spectra. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 4, art. no. 044902., Registrované v: WOS
73. [1.1] MORITA, Kenji - OHNISHI, Akira - ETMINAN, Faisal - HATSUDA, Tetsuo. Probing multistrange dibaryons with proton-omega correlations in high-energy heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 3, art. no. 031901., Registrované v: WOS
74. [1.1] MORITA, K. - GONGYO, S. - HATSUDA, T. - HYODO, T. - KAMIYA, Y. - OHNISHI, A. Probing Omega Omega and p Omega dibaryons with femtoscopic correlations in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 6 2020, vol. 101, no. 1., Registrované v: WOS
75. [1.1] MOTORNENKO, A. - VOVCHENKO, V. - GREINER, C. - STOECKER, H. Kinetic freeze-out temperature from yields of short-lived resonances. In PHYSICAL REVIEW C. ISSN 0556-2813, AUG 13 2020, vol. 102, no. 2., Registrované v: WOS
76. [1.1] NABOKA, V. Yu. - KARPENKO, Iu. A. - SINYUKOV, Yu. M. Thermalization, evolution, and observables at energies available at the CERN Large Hadron Collider in an integrated hydrokinetic model of A plus A collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 2, art. no. 024902., Registrované v: WOS
77. [1.1] NIEMI, H. - ESKOLA, K. J. - PAATELAINEN, R. Event-by-event fluctuations in a perturbative QCD plus saturation plus hydrodynamics model: Determining QCD matter shear viscosity in ultrarelativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 2, art. no. 024907., Registrované v: WOS
78. [1.1] OHNISHI, Yutaro - KITAZAWA, Masakiyo - ASAKAWA, Masayuki. Thermal blurring of event-by-event fluctuations generated by rapidity conversion. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 4, art. no. 044905., Registrované v: WOS
79. [1.1] OKAMOTO, Kazuhisa - NONAKA, Chiho. Temperature dependence of transport coefficients of QCD in high-energy heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 5, art. no. 054906., Registrované v: WOS
80. [1.1] OLIMOV, K.K. - IQBAL, A. - MASOOD, S. Systematic analysis of midrapidity transverse momentum spectra of identified charged particles in p plus p collisions at $(\sqrt{s(NN)})^{1/2}=2.76, 5.02, \text{ and } 7\text{ TeV}$ at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, SEP 30 2020, vol. 35, no. 27., Registrované v: WOS

81. [1.1] OLIMOV, K.K. - KANOKOVA, S.Z. - OLIMOV, A.K. - UMAROV, K.I. - TUKHTAEV, B.J. - GULAMOV, K.G. - YULDASHEV, B.S. - LUTPULLAEV, S.L. - SAIDKHANOV, N.S. - OLIMOV, K. - SADYKOV, T.K. Combined analysis of midrapidity transverse momentum spectra of the charged pions and kaons, protons and antiprotons in p plus p and Pb plus Pb collisions at $(s_{nn})^{1/2}=2.76$ and 5.02 TeV at the LHC. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, SEP 21 2020, vol. 35, no. 29., Registrované v: WOS
82. [1.1] OLIMOV, K.K. - KANOKOVA, S.Z. - OLIMOV, K. - GULAMOV, K.G. - YULDASHEV, B.S. - LUTPULLAEV, S.L. - UMAROV, F.Y. Average transverse expansion velocities and global freeze-out temperatures in central Cu plus Cu, Au plus Au, and Pb plus Pb collisions at high energies at RHIC and LHC. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, MAY 10 2020, vol. 35, no. 14., Registrované v: WOS
83. [1.1] PEREZ, A.P. - LOPEZ, C.G. - RAMOS, S.M. - PASTOR, A.I.E. - LOSADA, D.A. - MARTINEZ, C.V. - FERNANDEZ, M.A.I. - SANCHEZ, G.S. Characteristics of the newborns transferred to the regional reference hospital in Asturias. In BOLETIN DE PEDIATRIA. ISSN 0214-2597, 2020, vol. 60, no. 253, p. 116-121., Registrované v: WOS
84. [1.1] POBEREZHNYUK, R.V. - VOVCHENKO, V. - MOTORNENKO, A. - GORENSTEIN, M.I. - STOCKER, H. Chemical freeze-out conditions and fluctuations of conserved charges in heavy-ion collisions within a quantum van der Waals model. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 12 2019, vol. 100, no. 5., Registrované v: WOS
85. [1.1] PRATT, Scott - SANGALINE, Evan - SORENSEN, Paul - WANG, Hui. Constraining the Equation of State of Superhadronic Matter from Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 20, art. no. 202301., Registrované v: WOS
86. [1.1] PROROK, D. Centrality dependence of freeze-out temperature fluctuations in Pb-Pb collisions at the LHC. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, MAR 20 2019, vol. 55, no. 3., Registrované v: WOS
87. [1.1] QIAO, L.Y. - CHE, G.R. - GU, J.B. - ZHENG, H. - ZHANG, W.C. Nuclear modification factor in Pb-Pb and p-Pb collisions using Boltzmann transport equation. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JUL 2020, vol. 47, no. 7., Registrované v: WOS
88. [1.1] QIN, Guang-You. Anisotropic flow and jet quenching in relativistic nuclear collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2015, vol. 24, no. 2, art. no. 1530001., Registrované v: WOS
89. [1.1] RAFELSKI, Johann. Melting hadrons, boiling quarks. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 9, art. no. 114., Registrované v: WOS
90. [1.1] RISTEA, Catalin - RISTEA, Oana - JIPA, Alexandru. Coulomb Interaction Effects on Pion Production in Au plus Au Collisions at Relativistic Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2018, art. no. 3865856., Registrované v: WOS
91. [1.1] RISTEA, Oana - RISTEA, Catalin - JIPA, Alexandru. Rapidity dependence of charged pion production at relativistic energies using Tsallis statistics. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017,

vol. 53, no. 5, art. no. 91., Registrované v: WOS

92. [1.1] RISTEA, O. - RISTEA, C. - JIPA, A. Strange particle effective temperatures in relativistic nuclear collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, FEB 2020, vol. 29, no. 2., Registrované v: WOS

93. [1.1] RU, Peng - BARY, Ghulam - ZHANG, Wei-Ning. Pion transverse-momentum spectrum and elliptic anisotropy of partially coherent source. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 777, pp. 79-85., Registrované v: WOS

94. [1.1] RU, P. - ZHANG, W.N. Long-range azimuthal correlations for partially coherent pion emission in proton-proton collisions. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS

95. [1.1] RYU, Sangwook - PAQUET, Jean-Francois - SHEN, Chun - DENICOL, Gabriel - SCHENKE, Bjorn - JEON, Sangyong - GALE, Charles. Effects of bulk viscosity and hadronic rescattering in heavy ion collisions at energies available at the BNL Relativistic Heavy Ion Collider and at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034910., Registrované v: WOS

96. [1.1] RYU, S. - PAQUET, J.F. - SHEN, C. - DENICOL, G. S. - SCHENKE, B. - JEON, S. - GALE, C. Importance of the Bulk Viscosity of QCD in Ultrarelativistic Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 13, art. no. 132301., Registrované v: WOS

97. [1.1] SAGUN, V. V. - BUGAEV, K. A. - IVANYTSKYI, A. I. - OLIINYCHENKO, D. R. - MISHUSTIN, I. N. Nuclear and hadron matter equation of state within the induced surface tension approach. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 07022., Registrované v: WOS

98. [1.1] SANGALINE, Evan - PRATT, Scott. Toward a deeper understanding of how experiments constrain the underlying physics of heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 2, art. no. 024908., Registrované v: WOS

99. [1.1] SARASWAT, Kapil - SHUKLA, Prashant - KUMAR, Vineet - SINGH, Venktesh. Strange hadron production in pp, pPb and PbPb collisions at LHC energies. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 5, art. no. 84., Registrované v: WOS

100. [1.1] SARMA, P. - BHATTACHARJEE, B. Color reconnection as a possible mechanism of intermittency in the emission spectra of charged particles in PYTHIA-generated high-multiplicity pp collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, MAR 1 2019, vol. 99, no. 3., Registrované v: WOS

101. [1.1] SASAKI, Chihiro. Flavor Correlations and the QCD Phase Structure. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 07021., Registrované v: WOS

102. [1.1] SATAROV, L. M. - VOVCHENKO, V. - ALBA, P. - GORENSTEIN, M. I. - STOECKER, H. New scenarios for hard-core interactions in a hadron resonance gas. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 2, art. no. 024902., Registrované v: WOS

103. [1.1] SEIFERT, E. - CASSING, W. Baryon-antibaryon dynamics in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985,

- 2018, vol. 97, no. 4, art. no. 044907., Registrované v: WOS
104. [1.1] SHAPOVAL, V.M. - ADZHYMAMBETOV, M.D. - SINYUKOV, Y.M. Femtoscopy scales and particle production in the relativistic heavy ion collisions from Au+Au at 200 AGeV to Xe+Xe at 5.44 ATeV within the integrated hydrokinetic model. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, OCT 12 2020, vol. 56, no. 10., Registrované v: WOS
105. [1.1] SHAPOVAL, V.M. - SINYUKOV, Y.M. Bulk observables in Pb plus Pb collisions at root S-NN=5.02 TeV at the CERN Large Hadron Collider within the integrated hydrokinetic model. In PHYSICAL REVIEW C. ISSN 2469-9985, OCT 24 2019, vol. 100, no. 4., Registrované v: WOS
106. [1.1] SHE ZHILEI - CHEN GANG - XU HONGGE - ZENG TINGTING - LI DIKAI. Centrality dependence of light (anti)nuclei and (anti)hypertriton production in Pb-Pb collisions at root S-NN=2.76 TeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 4, art. no. 93., Registrované v: WOS
107. [1.1] SHURYAK, E. - TORRES-RINCON, J.M. Light-nuclei production and search for the QCD critical point. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, SEP 29 2020, vol. 56, no. 9., Registrované v: WOS
108. [1.1] SINYUKOV, Yu M. - SHAPOVAL, V. M. - NABOKA, V. Yu. On m(T) dependence of femtoscopy scales for meson and baryon pairs. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 946, pp. 227-239., Registrované v: WOS
109. [1.1] SINYUKOV, Yu M. - SHAPOVAL, V. M. Particle production at energies available at the CERN Large Hadron Collider within an evolutionary model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 6, art. no. 064901., Registrované v: WOS
110. [1.1] SINYUKOV, Yu. M. - SHAPOVAL, V. M. PRODUCTION AND CORRELATIONS OF STRANGE MESONS AND BARYONS AT RHIC AND LHC IN HYDROKINETIC MODEL. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 7, pp. 1883-1908., Registrované v: WOS
111. [1.1] SNELLINGS, Raimond. How much does the hadronic phase contribute to the observed anisotropic flow at the LHC? In RESONANCE WORKSHOP AT CATANIA. ISSN 2100-014X, 2015, vol. 97, art. no. 00025., Registrované v: WOS
112. [1.1] STRICKLAND, Michael. Recent progress in anisotropic hydrodynamics. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 07026., Registrované v: WOS
113. [1.1] SUN, X. - MASUI, H. - POSKANZER, A. M. - SCHMAH, A. Blast wave fits to elliptic flow data at root s(NN)=7.7-2760 GeV. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 2, art. no. 024903., Registrované v: WOS
114. [1.1] TAWFIK, Abdel Nasser - WAHAB, Magda Abdel - YASSIN, Hayam - ELYAZEED, Eman R. Abo - EL DIN, Hadeer M. Nasr. Strangeness chemical potential from the baryons relative to the kaons particle ratios. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2017, vol. 26, no. 7, art. no. 1750046., Registrované v: WOS
115. [1.1] TAWFIK, A.N. Out-Of-Equilibrium Transverse Momentum

- Spectra of Pions at LHC Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2019, vol. 2019., Registrované v: WOS
116. [1.1] TRAINOR, T.A. A two-component model for identified-hadron p(t) spectra from 5 TeV p-Pb collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, FEB 2020, vol. 47, no. 4., Registrované v: WOS
117. [1.1] UDDIN, Saeed - INAM-UL BASHIR - BHAT, Riyaz Ahmed. Transverse Momentum Distributions of Hadrons Produced in Pb-Pb Collisions at LHC Energy $\sqrt{s_{NN}}=2.76$ TeV. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 154853., Registrované v: WOS
118. [1.1] VOSKRESENSKY, D. N. - KOLOMEITSEV, E. E. On particle number fluctuations in an interacting pion gas with dynamically fixed number of particles. In III INTERNATIONAL CONFERENCE ON LASER AND PLASMA RESEARCHES AND TECHNOLOGIES. ISSN 1742-6588, 2018, vol. 941, art. no. 012054., Registrované v: WOS
119. [1.1] VOVCHENKO, Volodymyr - STOECKER, Horst. Surprisingly large uncertainties in temperature extraction from thermal fits to hadron yield data at LHC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 5, art. no. 055103., Registrované v: WOS
120. [1.1] VOVCHENKO, Volodymyr - STOECKER, Horst. Examination of the sensitivity of the thermal fits to heavy-ion hadron yield data to the modeling of the eigenvolume interactions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 4, art. no. 044904., Registrované v: WOS
121. [1.1] VOVCHENKO, Volodymyr - GORENSTEIN, Mark - STOECKER, Horst. Finite resonance widths influence the thermal-model description of hadron yields. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034906., Registrované v: WOS
122. [1.1] VOVCHENKO, V. - GALLMEISTER, K. - SCHAFFNER-BIELICH, J. - GREINER, C. Nucleosynthesis in heavy-ion collisions at the LHC via the Saha equation. In PHYSICS LETTERS B. ISSN 0370-2693, JAN 10 2020, vol. 800., Registrované v: WOS
123. [1.1] VOVCHENKO, V. - GORENSTEIN, M. I. - SATAROV, L. M. - STOECKER, H. Chemical Freeze-Out Conditions in Hadron Resonance Gas. In NEW HORIZONS IN FUNDAMENTAL PHYSICS, 2017, pp. 127-137., Registrované v: WOS
124. [1.1] VOVCHENKO, V. - KARPENKO, Iu. A. - GORENSTEIN, M. I. - SATAROV, L. M. - MISHUSTIN, I. N. - KAEMPFER, B. - STOECKER, H. Electromagnetic probes of a pure-gluon initial state in nucleus-nucleus collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024906., Registrované v: WOS
125. [1.1] VOYCHENKO, Volodymyr - STOECKER, Horst. Analysis of hadron yield data within hadron resonance gas model with multi-component eigenvolume corrections. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012078., Registrované v: WOS
126. [1.1] WANG, F.T. - XU, J. Hadronization using the Wigner function approach for a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, DEC 20 2019, vol. 100, no. 6., Registrované v: WOS
127. [1.1] WANG, Q. - LIU, F.H. Initial and Final State Temperatures of

- Antiproton Emission Sources in High Energy Collisions. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, DEC 2019, vol. 58, no. 12, p. 4119-4138., Registrované v: WOS
128. [1.1] WAQAS, M. - LIU, F.H. - FAKHRADDIN, S. - RAHIM, M.A. Possible scenarios for single, double, or multiple kinetic freeze-out in high-energy collisions. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, OCT 2019, vol. 93, no. 10, p. 1329-1343., Registrované v: WOS
129. [1.1] WAQAS, M. - LIU, F.H. - WANG, R.Q. - SIDDIQUE, I. Energy scan/dependence of kinetic freeze-out scenarios of multi-strange and other identified particles in central nucleus-nucleus collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, JUL 23 2020, vol. 56, no. 7., Registrované v: WOS
130. [1.1] WAQAS, M. - LIU, F.H. - WAZIR, Z. Dependence of Temperatures and Kinetic Freeze-Out Volume on Centrality in Au-Au and Pb-Pb Collisions at High Energy. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, MAY 27 2020, vol. 2020., Registrované v: WOS
131. [1.1] WAQAS, M. - LIU, F.H. Initial, effective, and kinetic freeze-out temperatures from transverse momentum spectra in high-energy proton(deuteron)-nucleus and nucleus-nucleus collisions. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, JAN 28 2020, vol. 135, no. 2., Registrované v: WOS
132. [1.1] WAQAS, M. - LI, B.C. Kinetic Freeze-Out Temperature and Transverse Flow Velocity in Au-Au Collisions at RHIC-BES Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, JAN 8 2020, vol. 2020., Registrované v: WOS
133. [1.1] WEI, Hua-Rong - LIU, Fu-Hu - LACEY, Roy A. Disentangling random thermal motion of particles and collective expansion of source from transverse momentum spectra in high energy collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 12, art. no. 125102., Registrované v: WOS
134. [1.1] WEI, Hua-Rong - LIU, Fu-Hu - LACEY, Roy A. Kinetic freeze-out temperature and flow velocity extracted from transverse momentum spectra of final-state light flavor particles produced in collisions at RHIC and LHC. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 4, art. no. 102., Registrované v: WOS
135. [1.1] XI, B.S. - ZHANG, Z.Q. - ZHANG, S. - MA, Y.G. Searching for $(\text{Li-4})^{\text{over-bar}}$ via the momentum-correlation function of $(\text{p})^{\text{over-bar}}(\text{He-3})^{\text{over-bar}}$. In PHYSICAL REVIEW C. ISSN 2469-9985, DEC 1 2020, vol. 102, no. 6., Registrované v: WOS
136. [1.1] XU, Hao-jie - LI, Zhuopeng - SONG, Huichao. High-order flow harmonics of identified hadrons in 2.76A TeV Pb plus Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 6, art. no. 064905., Registrované v: WOS
137. [1.1] XU, Jun - KO, Che Ming. Chemical freeze-out in relativistic heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 772, pp. 290-293., Registrované v: WOS
138. [1.1] XU, X.Y. - RAPP, R. Production of light nuclei at thermal freezeout in ultrarelativistic heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, MAY 15 2019, vol. 55, no. 5., Registrované v: WOS

139. [1.1] YANG, Jing - REN, Yan-Yu - ZHANG, Wei-Ning. Pion Transverse Momentum Spectrum, Elliptic Flow, and Interferometry in the Granular Source Model for RHIC and LHC Heavy Ion Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 846154., Registrované v: WOS
140. [1.1] YANG, Jing - ZHANG, Wei-Ning - REN, Yan-Yu. Pion transverse-momentum spectrum, elliptic flow, and Hanbury-Brown-Twiss interferometry in a viscous granular source model. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 8, art. no. 084102., Registrované v: WOS
141. [1.1] YU, N. - LUO, X.F. Particle decay from statistical thermal model in high-energy nucleus-nucleus collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, FEB 22 2019, vol. 55, no. 2., Registrované v: WOS
142. [1.1] ZHANG, C. - ZHENG, L. - LIU, F. - SHI, S.S. - LIN, Z.W. Update of a multiphase transport model with modern parton distribution functions and nuclear shadowing. In PHYSICAL REVIEW C. ISSN 2469-9985, JUN 24 2019, vol. 99, no. 6., Registrované v: WOS
143. [1.1] ZHANG, L.Y. - CHEN, J.H. - LIN, Z.W. - MA, Y.G. - ZHANG, S. Two-particle angular correlations in heavy ion collisions from a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 7 2019, vol. 99, no. 5., Registrované v: WOS
144. [1.1] ZHANG, S. - MA, Y. G. - CHEN, J. H. - ZHONG, C. Production of Kaon and Lambda in Nucleus-Nucleus Collisions at Ultrarelativistic Energy from a Blast-Wave Model. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 460590., Registrované v: WOS
145. [1.1] ZHANG, S. - MA, Y. G. - CHEN, J. H. - ZHONG, C. Beam Energy Dependence of Hanbury-Brown-Twiss Radii from a Blast-Wave Model. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 9414239., Registrované v: WOS
146. [1.1] ZHANG, S. - MA, Y.G. Omega-dibaryon production with hadron interaction potential from the lattice QCD in relativistic heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS
147. [1.1] ZHANG, Y. - ZHANG, J.B. - SUO, Y.M. - GUO, Y. - LIU, D.S. - CHEN, M. - CHAO, Y. Temperature-dependent shear viscosity in a multi-phase transport model for ultrarelativistic heavy-ion collisions at RHIC and LHC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, MAY 2019, vol. 46, no. 5., Registrované v: WOS
148. [1.1] ZHANG, Zhen - KO, Che Ming. Hypertriton production in relativistic heavy ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 780, pp. 191-195., Registrované v: WOS
149. [1.1] ZHAO, Wenbin - XU, Hao-jie - SONG, Huichao. Collective flow in 2.76 and 5.02 A TeV Pb + Pb collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 645., Registrované v: WOS
150. [1.1] ZHAO, Wenbin - ZHU, Lilin - ZHENG, Hua - KO, Che Ming - SONG, Huichao. Spectra and flow of light nuclei in relativistic heavy ion collisions at energies available at the BNL Relativistic Heavy Ion Collider and at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985,

- 2018, vol. 98, no. 5, art. no. 054905., Registrované v: WOS
151. [1.1] ZHOU, C. S. - MA, Y. G. - ZHANG, S. Scaling of nuclear modification factors for hadrons and light nuclei. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 12, art. no. 354., Registrované v: WOS
152. [1.1] ZHU, Lilin - ZHENG, Hua - KO, Che Ming - SUN, Yifeng. Light nuclei production in Pb plus Pb collisions at root s(NN)=2.76 TeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 10, art. no. 175., Registrované v: WOS
153. [1.1] ZHU, L.L. - ZHENG, H. - KONG, R.M. Centrality and transverse momentum dependencies of hadrons in Pb plus Pb collisions at root S-NN=5.02 TeV and Xe plus Xe collisions at root S-NN=5.44 TeV from a multi-phase transport model. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, NOV 2019, vol. 55, no. 11., Registrované v: WOS

ADCA57 AAMODT, K. - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - ŠÁNDOR, Ladislav - VALA, Martin. Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at root s(NN)=2.76 TeV. In *Physical Review Letters*, 2011, vol. 106, no. 3, art. no. 032301. (2010: 7.622 - IF, Q1 - JCR, 6.450 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.106.032301>

Ohlasy:

1. [1.1] BERNHARD, J.E. - MORELAND, J.S. - BASS, S.A. Bayesian estimation of the specific shear and bulk viscosity of quark-gluon plasma. In NATURE PHYSICS. ISSN 1745-2473, NOV 2019, vol. 15, no. 11, p. 1113-+., Registrované v: WOS
2. [1.1] DEEPSHIKHA - KUMAR, Suneel. Heavy-ion collision dynamics: Correlation with elliptic flow and nuclear stopping. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 977, pp. 69-81., Registrované v: WOS
3. [1.1] DURAES, F. O. - GIANNINI, A. V. - GONCALVES, V. P. - NAVARRA, F. S. Testing the running coupling k(T)-factorization formula for the inclusive gluon production. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 054023., Registrované v: WOS
4. [1.1] GURSOY, Umut - KHARZEEV, Dmitri - MARCUS, Eric - RAJAGOPAL, Krishna - SHEN, Chun. Charge-dependent flow induced by magnetic and electric fields in heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 5, art. no. 055201., Registrované v: WOS
5. [1.1] CHATURVEDI, O.S.K. - SRIVASTAVA, P.K. - SINGH, A. - RAINA, P.K. - SINGH, B.K. Multiparticle production and geometric scaling in 5.44 TeV Xe-Xe collisions at the CERN Large Hadron Collider using wounded quark model. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, FEB 19 2020, vol. 135, no. 2., Registrované v: WOS
6. [1.1] JAISWAL, Amaresh - ROY, Victor. Relativistic Hydrodynamics in Heavy-Ion Collisions: General Aspects and Recent Developments. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 9623034., Registrované v: WOS
7. [1.1] JAMAL, M.Y. - CHANDRA, V. Energy loss of heavy quarks in the isotropic collisional hot QCD medium. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 2019, vol. 79, no. 9., Registrované v: WOS

8. [1.1] KHACHATRYAN, V. Direct photon production and scaling properties in large and small system collisions. In 36TH WINTER WORKSHOP ON NUCLEAR DYNAMICS. ISSN 1742-6588, 2020, vol. 1602., Registrované v: WOS
9. [1.1] KHACHATRYAN, V. - PRASZALOWICZ, M. Scaling properties of direct photon yields in heavy ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 24 2020, vol. 80, no. 7., Registrované v: WOS
10. [1.1] KUMAR, Vineet - SHUKLA, Prashant - VOGT, Ramona. Quarkonia suppression in PbPb collisions at $\sqrt{s(NN)}=2.76$ TeV. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 2, art. no. 024908., Registrované v: WOS
11. [1.1] LACEY, Roy - LIU, Peifeng - MAGDY, Niseem - CSANAD, Mate - SCHWEID, Benjamin - AJITANAND, Nuggehalli N. - ALEXANDER, John - PAK, Robert. Scaling Properties of the Mean Multiplicity and Pseudorapidity Density in e(-). In UNIVERSE. ISSN 2218-1997, 2018, vol. 4, no. 1, art. no. 22., Registrované v: WOS
12. [1.1] LI, H.L. - XU, H.J. - ZHOU, Y. - WANG, X.B. - ZHAO, J. - CHEN, L.W. - WANG, F.Q. Probing the Neutron Skin with Ultrarelativistic Isobaric Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, NOV 23 2020, vol. 125, no. 22., Registrované v: WOS
13. [1.1] MAVLYUTOV, Timur A. - GUO, Lian-Wang - EPSTEIN, Miles L. - RUOHO, Arnold E. Role of the Sigma-1 receptor in Amyotrophic Lateral Sclerosis (ALS). In JOURNAL OF PHARMACOLOGICAL SCIENCES. ISSN 1347-8613, 2015, vol. 127, no. 1, pp. 10-16., Registrované v: WOS
14. [1.1] MEHRABPOUR, H. Systematic analysis of flow distributions. In PHYSICAL REVIEW C. ISSN 2469-9985, DEC 11 2020, vol. 102, no. 6., Registrované v: WOS
15. [1.1] MITRA, Sukanya - CHANDRA, Vinod. Covariant kinetic theory for effective fugacity quasiparticle model and first order transport coefficients for hot QCD matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 034032., Registrované v: WOS
16. [1.1] ORTIZ VELASQUEZ, Antonio. Mean $p(T)$ scaling with $m/n(q)$ at the LHC: Absence of (hydro) flow in small systems? In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 943, pp. 9-17., Registrované v: WOS
17. [1.1] PLUMBERG, C. Hanbury-Brown-Twiss interferometry and collectivity in p plus p, p plus Pb, and Pb plus Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 13 2020, vol. 102, no. 5., Registrované v: WOS
18. [1.1] REIS, Daniel M. - REYES-GOMEZ, Ernesto - OLIVEIRA, Luiz E. - DE CARVALHO, Carlos A. A. Electromagnetic Propagation in a Relativistic Electron Gas at Finite Temperatures. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2018, vol. 530, no. 7, art. no. 1700443., Registrované v: WOS
19. [1.1] SAKAI, A. - MURASE, K. - HIRANO, T. Rapidity decorrelation of anisotropic flow caused by hydrodynamic fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, DEC 2 2020, vol. 102, no. 6., Registrované v: WOS
20. [1.1] SOYEZ, G. Pileup mitigation at the LHC: A theorist's view. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, APR 25 2019, vol. 803, p. 1-158., Registrované v: WOS

21. [1.1] STEINBERG, Peter. PHOBOS in the LHC era. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 352, pp. 84-95., Registrované v: WOS
22. [1.1] TANNENBAUM, Michael J. Reminiscences of Wit Busza and 41 years of p plus A physics. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 352, pp. 96-107., Registrované v: WOS
23. [1.1] TU, B. - SHI, S.S. - LIU, F. Elliptic flow of transported and produced protons in Au plus Au collisions with the UrQMD model. In CHINESE PHYSICS C. ISSN 1674-1137, MAY 2019, vol. 43, no. 5., Registrované v: WOS
24. [1.1] WOLSCHIN, G. Aspects of Relativistic Heavy-Ion Collisions. In UNIVERSE. MAY 2020, vol. 6, no. 5., Registrované v: WOS
25. [1.1] YANG, Jing - REN, Yan-Yu - ZHANG, Wei-Ning. Pion Transverse Momentum Spectrum, Elliptic Flow, and Interferometry in the Granular Source Model for RHIC and LHC Heavy Ion Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 846154., Registrované v: WOS
26. [1.1] YI, L. Study of Small Colliding Systems. In NUCLEAR PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 85-91., Registrované v: WOS
27. [1.1] ZHU, L.L. - HWA, R.C. A unified study of the production of all identified hadrons over wide ranges of transverse momenta at LHC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, MAY 2020, vol. 47, no. 5., Registrované v: WOS

ADCA58 ADAM, J. - ADAMOVIĆ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at $\sqrt{s(NN)}=5.02$ TeV. In *Physical Review Letters*, 2016, vol. 116, no. 22, art. no. 222302. (2015: 7.645 - IF, Q1 - JCR, 4.656 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.116.222302>

Ohlasy:

1. [1.1] ABDEL-WAGED, Khaled - FELEMBAN, Nuha. Effects of shadowing in Pb plus Pb collisions at energies available at the CERN Large Hadron Collider within the HIJING code. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 9, art. no. 155., Registrované v: WOS
2. [1.1] AREF'EVA, Irina. Holography for Heavy Ions Collisions at LHC and NICA. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 01014., Registrované v: WOS
3. [1.1] AREF'EVA, I. Holography for Nonperturbative Study of QFT. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, JUL 2020, vol. 51, no. 4, p. 489-496., Registrované v: WOS
4. [1.1] ARLEO, Francois. Quenching of Hadron Spectra in Heavy Ion Collisions at the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 6, art. no. 062302., Registrované v: WOS
5. [1.1] AUVINEN, J. - ESKOLA, K.J. - HUOVINEN, P. - NEMI, H. - PAATELAINEN, R. - PETRECZKY, P. Temperature dependence of η/s of strongly interacting matter: Effects of the equation of state and the parametric

- form of $\langle\eta/s\rangle(T)$. In PHYSICAL REVIEW C. ISSN 0556-2813, OCT 21 2020, vol. 102, no. 4., Registrované v: WOS
6. [1.1] BERNHARD, Jonah E. - MORELAND, J. Scott - BASS, Steffen A. - LIU, Jia - HEINZ, Ulrich. Applying Bayesian parameter estimation to relativistic heavy-ion collisions: Simultaneous characterization of the initial state and quark-gluon plasma medium. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024907., Registrované v: WOS
7. [1.1] BERNHARD, Jonah E. - MORELAND, J. Scott - BASS, Steffen A. Characterization of the initial state and QGP medium from a combined Bayesian analysis of LHC data at 2.76 and 5.02 TeV. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 293-296., Registrované v: WOS
8. [1.1] BERNHARD, Jonah E. - MORELAND, J. Scott - BASS, Steffen A. Bayesian estimation of the specific shear and bulk viscosity of quark-gluon plasma. In NATURE PHYSICS. ISSN 1745-2473, 2019, vol. 15, no. 11, pp. 1113-+., Registrované v: WOS
9. [1.1] BOZEK, Piotr - BRONIOWSKI, Wojciech - RYBCZYNSKI, Maciej. On wounded constituents in nuclear collisions. In XLVI INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2016). ISSN 2100-014X, 2017, vol. 141, art. no. UNSP 05009., Registrované v: WOS
10. [1.1] BUSZA, Wit - RAJAGOPAL, Krishna - VAN DER SCHEE, Wilke. Heavy Ion Collisions: The Big Picture and the Big Questions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 68. ISSN 0163-8998, 2018, vol. 68, pp. 339-376., Registrované v: WOS
11. [1.1] BZDAK, Adam - DUSLING, Kevin. Saturation scale fluctuations and multiparticle rapidity correlations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 4, art. no. 1. 044918., Registrované v: WOS
12. [1.1] CARZON, P. - RAO, S. - LUZUM, M. - SIEVERT, M. - NORONHA-HOSTLER, J. Possible octupole deformation of Pb-208 and the ultracentral $v(2)$ to $v(3)$ puzzle. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 9 2020, vol. 102, no. 5., Registrované v: WOS
13. [1.1] CSORGO, T. - KASZA, G. - CSANAD, M. - JIANG, Z. F. A NEW AND FINITE FAMILY OF SOLUTIONS OF HYDRODYNAMICS. PART I: FITS TO PSEUDORAPIDITY DISTRIBUTIONS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2019, vol. 50, no. 1, pp. 27-35., Registrované v: WOS
14. [1.1] DREWES, M. - GIAMMANCO, A. - HAJER, J. - LUCENTE, M. New long-lived particle searches in heavy-ion collisions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 3 2020, vol. 101, no. 5., Registrované v: WOS
15. [1.1] ESKOLA, K. J. - NIEMI, H. - PAATELAINEN, R. - TUOMINEN, K. Latest results from the EbyE NLO EKRT model. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, no., pp. 313-316., Registrované v: WOS
16. [1.1] ESKOLA, K. J. - NIEMI, H. - PAATELAINEN, R. - TUOMINEN, K. Latest results from the EbyE NLO EKRT model. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 313-316., Registrované v: WOS
17. [1.1] ESKOLA, K. J. - NIEMI, H. - PAATELAINEN, R. - TUOMINEN, K. Predictions for multiplicities and flow harmonics in 5.44 TeV

- Xe+Xe collisions at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034911., Registrované v: WOS
18. [1.1] GARDIM, F.G. - GIACALONE, G. - OLLITRAULT, J.Y. The mean transverse momentum of ultracentral heavy-ion collisions: A new probe of hydrodynamics. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS
19. [1.1] GIACALONE, Giuliano - NORONHA-HOSTLER, Jacquelyn - LUZUM, Matthew - OLLITRAULT, Jean-Yves. Hydrodynamic predictions for 5.44 TeV Xe+Xe collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034904., Registrované v: WOS
20. [1.1] GOTSMAN, E. - LEVIN, E. Thermal radiation and inclusive production in the Kharzeev-Levin-Nardi model for ion-ion collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 3., Registrované v: WOS
21. [1.1] GURSOY, Umut - KHARZEEV, Dmitri - MARCUS, Eric - RAJAGOPAL, Krishna - SHEN, Chun. Charge-dependent flow induced by magnetic and electric fields in heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 5, art. no. 055201., Registrované v: WOS
22. [1.1] HE, Min - FRIES, Rainer J. - RAPP, Ralf. Open Heavy Flavor Transport in root s(NN)=5.02 TeV Pb+Pb Collisions. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 265-268., Registrované v: WOS
23. [1.1] HOELCK, J. - NENDZIG, F. - WOLSCHIN, G. In-medium Y suppression and feed-down in UU and PbPb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 2, art. no. 024905., Registrované v: WOS
24. [1.1] HOELCK, J. - NENDZIG, F. - WOLSCHIN, G. In-medium Y suppression and feed-down in UU and PbPb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 2, art. no. 024905., Registrované v: WOS
25. [1.1] KHACHATRYAN, V. - PRASZALOWICZ, M. Scaling properties of direct photon yields in heavy ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 24 2020, vol. 80, no. 7., Registrované v: WOS
26. [1.1] KUMAR, V. - SHUKLA, P. - BHATTACHARYYA, A. Suppression of quarkonia in PbPb collisions at root S-NN=5.02TeV. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JAN 2020, vol. 47, no. 1., Registrované v: WOS
27. [1.1] KURKELA, Alekski - MAZELIAUSKAST, Aleksas - PAQUET, Jean-Francois - SCHLICHTING, Soren - TEANEY, Derek. Effective kinetic description of event-by-event pre-equilibrium dynamics in high-energy heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 3., Registrované v: WOS
28. [1.1] KURKELA, Alekski - MAZELIAUSKAS, Aleksas - PAQUET, Jean-Francois - SCHLICHTING, Soeren - TEANEY, Derek. Matching the Nonequilibrium Initial Stage of Heavy Ion Collisions to Hydrodynamics with QCD Kinetic Theory. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 12., Registrované v: WOS
29. [1.1] MCDONALD, Scott - SHEN, Chun - FILLION-GOURDEAU, Francois - JEON, Sangyong - GALE, Charles. Pre-equilibrium Longitudinal Flow in the IP-Glasma Framework for Pb plus Pb Collisions at the LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014,

- 2017, vol. 289, pp. 461-464., Registrované v: WOS
30. [1.1] MCDONALD, Scott - SHEN, Chun - FILLION-GOURDEAU, Francois - JEON, Sangyong - GALE, Charles. Hydrodynamic predictions for Pb plus Pb collisions at 5.02 TeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 064913., Registrované v: WOS
31. [1.1] MONNAI, Akihiko - OLLITRAULT, Jean-Yves. Constraining the equation of state with identified particle spectra. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 4, art. no. 044902., Registrované v: WOS
32. [1.1] MORELAND, J.S. - BERNHARD, J.E. - BASS, S.A. Bayesian calibration of a hybrid nuclear collision model using p-Pb and Pb-Pb data at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 21 2020, vol. 101, no. 2., Registrované v: WOS
33. [1.1] NIEMI, H. - ESKOLA, K. J. - PAATELAINEN, R. - TUOMINEN, K. Latest predictions from the EbyE NLO EKRT model. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 443-446., Registrované v: WOS
34. [1.1] OKOROKOV, V. A. Global Characteristics of the Medium Produced in Ultra-High Energy Cosmic Ray Collisions. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2019, vol. 82, no. 6, pp. 838-844., Registrované v: WOS
35. [1.1] RAFELSKI, Jan. CHARTING THE FUTURE FRONTIER(S) OF PARTICLE PRODUCTION. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 7, pp. 1977-1991., Registrované v: WOS
36. [1.1] ROMATSCHKE, Paul. Azimuthal anisotropies at high momentum from purely non-hydrodynamic transport. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 8, art. no. 636., Registrované v: WOS
37. [1.1] SARASWAT, Kapil - SHUKLA, Prashant - KUMAR, Vineet - SINGH, Venktesh. Energy loss of heavy quarks and B and D meson spectra in PbPb collisions at LHC energies. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 961, pp. 169-182., Registrované v: WOS
38. [1.1] SHAPOVAL, V. M. - SINYUKOV, Yu M. Bulk observables in Pb plus Pb collisions at root S-NN=5.02 TeV at the CERN Large Hadron Collider within the integrated hydrokinetic model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 4., Registrované v: WOS
39. [1.1] SCHENKE, B. - SHEN, C. - TRIBEDY, P. Running the gamut of high energy nuclear collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, OCT 15 2020, vol. 102, no. 4., Registrované v: WOS
40. [1.1] SIEVERT, M. - NORONHA-HOSTLER, J. CERN Large Hadron Collider system size scan predictions for PbPb, XeXe, ArAr, and OO with relativistic hydrodynamics. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2., Registrované v: WOS
41. [1.1] SIKLER, Ferenc. A combination of analysis techniques for efficient track reconstruction of high multiplicity events in silicon detectors. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 6, art. no. 113., Registrované v: WOS
42. [1.1] SIKLER, Ferenc. Combination of various data analysis techniques for efficient track reconstruction in very high multiplicity events. In CONNECTING THE DOTS/INTELLIGENT TRACKERS 2017 (CTD/WIT 2017). ISSN 2100-014X, 2017, vol. 150, art. no. UNSP 00011., Registrované v:

WOS

43. [1.1] TANNENBAUM, M. J. Is (q) over-cap a physical quantity or just a parameter? and other unanswered questions in high-p(T) physics. In 10TH INTERNATIONAL WORKSHOP ON HIGH-PT PHYSICS IN THE RHIC/LHC ERA. ISSN 1742-6588, 2017, vol. 805, art. no. UNSP 012005., Registrované v: WOS

44. [1.1] WELLER, Ryan D. - ROMATSCHKE, Paul. One fluid to rule them all: Viscous hydrodynamic description of event-by-event central p plus p, p plus Pb and Pb plus Pb collisions at root s=5.02 TeV. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 774, pp. 351-356., Registrované v: WOS

45. [1.1] WOLSCHIN, Georg. Beyond the thermal model in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 1. 024911., Registrované v: WOS

46. [1.1] WOLSCHIN, Georg. Bottomia physics at RHIC and LHC. In XLVI INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2016). ISSN 2100-014X, 2017, vol. 141, art. no. UNSP 05007., Registrované v: WOS

47. [1.1] WOLSCHIN, G. Aspects of Relativistic Heavy-Ion Collisions. In UNIVERSE. MAY 2020, vol. 6, no. 5., Registrované v: WOS

48. [1.1] YOUNUS, M. - MURONGA, A. Third order viscous hydrodynamics from the entropy four current. In PHYSICAL REVIEW C. ISSN 0556-2813, SEP 3 2020, vol. 102, no. 3., Registrované v: WOS

49. [1.1] ZAKHAROV, B. G. Monte Carlo Glauber model with meson cloud: predictions for 5.44 TeV Xe + Xe collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 5, art. no. 427., Registrované v: WOS

50. [1.1] ZHAO, Wenbin - XU, Hao-jie - SONG, Huichao. Collective flow in 2.76 and 5.02 A TeV Pb + Pb collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 645., Registrované v: WOS

51. [1.1] ZIGIC, Dusan - SALOM, Igor - AUVINEN, Jussi - DJORDJEVIC, Marko - DJORDJEVIC, Magdalena. DREENA-C framework: joint R(AA) and $v(2)$ predictions and implications to QGP tomography. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 8., Registrované v: WOS

ADCA59 ADAM, J. - ADAMOVIĆ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Centrality dependence of the nuclear modification factor of charged pions, kaons, and protons in Pb-Pb collisions at root s(NN)=2.76 TeV. In *Physical Review C. Nuclear physics*, 2016, vol. 93, no. 3, art. no. 034913. (2015: 3.146 - IF, Q2 - JCR, 1.993 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.93.034913>

Ohlasy:

1. [1.1] AN, F. - PRELL, S. - CHEN, C. - COCHRAN, J. - LOU, X. - RUAN, M. Monte Carlo study of particle identification at the CEPC using TPC dE/dx information. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 464., Registrované v: WOS

2. [1.1] DAI WEI - XING HONGXI - ZHANG BEN-WEI - WANG

- ENKE - WANG XIN-NIAN. Multiple scattering and parton energy loss in nuclei. In SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA. ISSN 1674-7275, 2019, vol. 49, no. 10., Registrované v: WOS
3. [1.1] HWA, Rudolph C. - ZHU, Lilin. Universal formula for baryon spectra in heavy-ion collisions and its implications. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 5, art. no. 054908., Registrované v: WOS
 4. [1.1] CHATURVEDI, O. S. K. - SRIVASTAVA, P. K. - SINGH, Arpit - SINGH, B. K. Universal freezeout condition for charged hadrons in a hybrid approach. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 3, art. no. 46., Registrované v: WOS
 5. [1.1] CHEN, Ya-Hui - LIU, Fu-Hu. Event patterns extracted from anisotropic spectra of charged particles produced in Pb-Pb collisions at 2.76 TeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 11, art. no. 230., Registrované v: WOS
 6. [1.1] CHIEN, Yang-Ting - EMERMAN, Alexander - KANG, Zhong-Bo - OVANESYAN, Grigory - VITEV, Ivan. Jet quenching from QCD evolution. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 074030., Registrované v: WOS
 7. [1.1] JACAZIO, Nicolo. Production of identified charged hadrons in Pb-Pb collisions at root s(NN)=5.02 TeV. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 421-424., Registrované v: WOS
 8. [1.1] LAO, Hai-Ling - LIU, Fu-Hu - LI, Bao-Chun - DUAN, Mai-Ying. Kinetic freeze-out temperatures in central and peripheral collisions: which one is larger? In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2018, vol. 29, no. 6, art. no. 82., Registrované v: WOS
 9. [1.1] MA, Guo-Yang - DAI, Wei - ZHANG, Ben-Wei - WANG, Enke. NLO Productions of and KS0 with a global extraction of the jet transport parameter in heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 6., Registrované v: WOS
 10. [1.1] NEMCHIK, J. - KOPELIOVICH, B. Z. - POTASHNIKOVA, I. K. - SCHMIDT, Ivan. UNIVERSAL SUPPRESSION OF HIGH-p(T) HADRONS IN HEAVY-ION COLLISIONS. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 4, pp. 991-998., Registrované v: WOS
 11. [1.1] ORTIZ, Antonio - VAZQUEZ, Omar. Energy density and path-length dependence of the fractional momentum loss in heavy-ion collisions at root S (N N) from 62.4 to 5020 GeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 1, art. no. 014910., Registrované v: WOS
 12. [1.1] PANG, Long-Gang - PETERSEN, Hannah - WANG, Xin-Nian. Pseudorapidity distribution and decorrelation of anisotropic flow within the open-computing-language implementation CLVisc hydrodynamics. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 6, art. no. 064918., Registrované v: WOS
 13. [1.1] QIAO, L.Y. - CHE, G.R. - GU, J.B. - ZHENG, H. - ZHANG, W.C. Nuclear modification factor in Pb-Pb and p-Pb collisions using Boltzmann transport equation. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JUL 2020, vol. 47, no. 7., Registrované v: WOS
 14. [1.1] SHEN, Ke-Ming. Analysis on hadron spectra in heavy-ion collisions with a new non-extensive approach. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no.

10., Registrované v: WOS

15. [1.1] YIN, Xuejiao - ZHU, LiLin - ZHENG, Hua. A New Two-Component Model for Hadron Production in Heavy-Ion Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, art. no. 6708581., Registrované v: WOS

16. [1.1] ZAKHAROV, B. G. Color Randomization of Fast Gluon-Gluon Pairs in the Quark-Gluon Plasma. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2019, vol. 128, no. 2, pp. 243-258., Registrované v: WOS

17. [1.1] ZHU, Lilin - ZHENG, Hua - KONG, Ruimin. Centrality and transverse momentum dependencies of hadrons in Pb plus Pb collisions at root S-NN=5.02 TeV and Xe plus Xe collisions at root S-NN=5.44 TeV from a multi-phase transport model. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 11., Registrované v: WOS

18. [1.1] ZHU, L.L. - HWA, R.C. A unified study of the production of all identified hadrons over wide ranges of transverse momenta at LHC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, MAY 2020, vol. 47, no. 5., Registrované v: WOS

ADCA60 ABBAS, E. - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Centrality dependence of the pseudorapidity density distribution for charged particles in Pb-Pb collisions at root s(NN)=2.76 TeV. In *Physics Letters B*, 2013, vol. 726, no. 4-5, p. 610-622. (2012: 4.569 - IF, Q1 - JCR, 3.353 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2013.09.022>

Ohlasy:

1. [1.1] ABDEL-WAGED, Khaled - FELEMBAN, Nuha. Kinematic constraints on interacting nucleons in Pb plus Pb collisions at root s(NN)=2.76 TeV within the HIJING code. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 2, art. no. 024910., Registrované v: WOS

2. [1.1] ALQAHTANI, Mubarak - NOPOUSH, Mohammad - RYBLEWSKI, Radoslaw - STRICKLAND, Michael. Anisotropic hydrodynamic modeling of 2.76 TeV Pb-Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 4, art. no. 044910., Registrované v: WOS

3. [1.1] ALQAHTANI, Mubarak - NOPOUSH, Mohammad - RYBLEWSKI, Radoslaw - STRICKLAND, Michael. (3+1)D Quasiparticle Anisotropic Hydrodynamics for Ultrarelativistic Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 4, art. no. 042301., Registrované v: WOS

4. [1.1] ALQAHTANI, Mubarak - NOPOUSH, Mohammad - STRICKLAND, Michael. Relativistic anisotropic hydrodynamics. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 101, pp. 204-248., Registrované v: WOS

5. [1.1] ANDRONOV, Evgeny. Recent results from the NA61/SHINE strong interaction physics programme. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 07001., Registrované v: WOS

6. [1.1] BIERLICH, Christian - GUSTAFSON, Gosta - LONNBLAD, Leif - SHAH, Harsh. The Angantyr model for heavy-ion collisions in Pythia8. In

JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 134., Registrované v: WOS

7. [1.1] BREWER, Jasmine - RAJAGOPAL, Krishna - SADOBYEV, Andrey - VAN DER SCHEE, Wilke. Evolution of the mean jet shape and dijet asymmetry distribution of an ensemble of holographic jets in strongly coupled plasma. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 015., Registrované v: WOS

8. [1.1] BUSZA, Wit - RAJAGOPAL, Krishna - VAN DER SCHEE, Wilke. Heavy Ion Collisions: The Big Picture and the Big Questions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 68. ISSN 0163-8998, 2018, vol. 68, pp. 339-376., Registrované v: WOS

9. [1.1] CALCAGNI, L. - GARCIA CANAL, C. A. - SCIUTTO, S. J. - TARUTINA, T. LHC updated hadronic interaction packages analyzed up to cosmic-ray energies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 8, art. no. 083003., Registrované v: WOS

10. [1.1] DEAK, Michal - KUTAK, Krzysztof - TYWONIUK, Konrad. Towards tomography of quark-gluon plasma using double inclusive forward-central jets in Pb-Pb collision. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 11, art. no. 793., Registrované v: WOS

11. [1.1] DURAES, F. O. - GIANNINI, A. V. - GONCALVES, V. P. - NAVARRA, F. S. Testing the running coupling $k(T)$ -factorization formula for the inclusive gluon production. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 054023., Registrované v: WOS

12. [1.1] DU, X. - HE, M. - RAPP, R. Color screening and regeneration of bottomonia in high-energy heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 5, art. no. 054901., Registrované v: WOS

13. [1.1] GAO, Li-Na - LIU, Fu-Hu. On Pseudorapidity Distribution and Speed of Sound in High Energy Heavy Ion Collisions Based on a New Revised Landau Hydrodynamic Model. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 184713., Registrované v: WOS

14. [1.1] GAO, Y. - ZHENG, H. - ZHU, L. L. - BONASERA, A. Description of charged particle pseudorapidity distributions in Pb plus Pb collisions with Tsallis thermodynamics. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 10, art. no. 197., Registrované v: WOS

15. [1.1] HE, Y.Y. - CAO, S.S. - CHEN, W. - LUO, T. - PANG, L.G. - WANG, X.N. Interplaying mechanisms behind single inclusive jet suppression in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 29 2019, vol. 99, no. 5., Registrované v: WOS

16. [1.1] HUSSAIN, Nur - BHATTACHARJEE, Buddhadeb. Role of net baryon density on rapidity width of identified particles from the lowest energies available at the CERN Super Proton Synchrotron to those at the BNL Relativistic Heavy Ion Collider and at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 2, art. no. 024903., Registrované v: WOS

17. [1.1] CHATURVEDI, O.S.K. - SRIVASTAVA, P.K. - SINGH, A. - RAINA, P.K. - SINGH, B.K. Multiparticle production and geometric scaling in 5.44 TeV Xe-Xe collisions at the CERN Large Hadron Collider using wounded quark model. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, FEB 19 2020, vol. 135, no. 2., Registrované v: WOS

18. [1.1] CHEN, W. - CAO, S.S. - LUO, T. - PANG, L.G. - WANG, X.N.

- Medium modification of gamma-jet fragmentation functions in Pb plus Pb collisions at LHC. In PHYSICS LETTERS B. ISSN 0370-2693, NOV 10 2020, vol. 810., Registrované v: WOS
19. [1.1] CHEN, Ya-Hui - LIU, Fu-Hu. Event patterns extracted from anisotropic spectra of charged particles produced in Pb-Pb collisions at 2.76 TeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 11, art. no. 230., Registrované v: WOS
20. [1.1] IPP, Andreas - MUELLER, David. Broken boost invariance in the Glasma via finite nuclei thickness. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 771, pp. 74-79., Registrované v: WOS
21. [1.1] IPP, A. - MULLER, D.I. Progress on 3+1D Glasma simulations. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, SEP 30 2020, vol. 56, no. 9., Registrované v: WOS
22. [1.1] JIANG, Zhi-Jin - HUI, Jia-Qi - DENG, Hai-Ping. Unified Hydrodynamics and Pseudorapidity Distributions of Charged Particles Produced in Heavy Ion Collisions at Low Energies at RHIC. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2017, vol. 34, no. 5, art. no. 052501., Registrované v: WOS
23. [1.1] JIANG, Z. J. - DENG, H. P. - HUANG, Y. A Universal Description of Pseudorapidity Distributions in Both Nucleus-Nucleus and p-p Collisions at Currently Available Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 5308084., Registrované v: WOS
24. [1.1] KELLERS, B. - WOLSCHIN, G. Limiting fragmentation at LHC energies. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, MAY 2019, no. 5., Registrované v: WOS
25. [1.1] KE, Weiyao - MORELAND, J. Scott - BERNHARD, Jonah E. - BASS, Steffen A. Constraints on rapidity-dependent initial conditions from charged-particle pseudorapidity densities and two-particle correlations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 4, art. no. 044912., Registrované v: WOS
26. [1.1] KE, Weiyao - MORELAND, J. Scott - BERNHARD, Jonah E. - BASS, Steffen A. Constraints on rapidity-dependent initial conditions from charged particle pseudorapidity densities and correlations at the LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 483-486., Registrované v: WOS
27. [1.1] KUMAR, Vineet - SHUKLA, Prashant - VOGT, Ramona. Quarkonia suppression in PbPb collisions at $\sqrt{s(NN)}=2.76$ TeV. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 2, art. no. 024908., Registrované v: WOS
28. [1.1] LIU, Fu-Hu - GAO, Li-Na - LACEY, Roy A. Searching for Minimum in Dependence of Squared Speed-of-Sound on Collision Energy. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 9467194., Registrované v: WOS
29. [1.1] MA, Guo-Liang - LIN, Zi-Wei. Predictions for $\sqrt{s(NN)}=5.02$ TeV Pb + Pb collisions from a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 5, art. no. 054911., Registrované v: WOS
30. [1.1] MONNAI, Akihiko - SCHENKE, Bjoern. Pseudorapidity correlations in heavy ion collisions from viscous fluid dynamics. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 752, pp. 317-321., Registrované v:

WOS

31. [1.1] OKAMOTO, Kazuhisa - AKAMATSU, Yukinao - NONAKA, Chiho. A new relativistic hydrodynamics code for high-energy heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 10., Registrované v: WOS
32. [1.1] OKAMOTO, Kazuhisa - NONAKA, Chiho. Temperature dependence of transport coefficients of QCD in high-energy heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 5, art. no. 054906., Registrované v: WOS
33. [1.1] OKOROKOV, V. A. Geometry and Space-Time Extent of Pion Emission Region at FCC Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 5972709., Registrované v: WOS
34. [1.1] OKOROKOV, V.A. Global Characteristics of the Medium Produced in Ultra-High Energy Cosmic Ray Collisions. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, NOV 2019, vol. 82, no. 6, p. 838-844., Registrované v: WOS
35. [1.1] PANG, Long-Gang - PETERSEN, Hannah - QIN, Guang-You - ROY, Victor - WANG, Xin-Nian. Decorrelation of anisotropic flow along the longitudinal direction. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 4, art. no. 97., Registrované v: WOS
36. [1.1] PANG, Long-Gang - PETERSEN, Hannah - WANG, Xin-Nian. Pseudorapidity distribution and decorrelation of anisotropic flow within the open-computing-language implementation CLVisc hydrodynamics. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 6, art. no. 064918., Registrované v: WOS
37. [1.1] PIEROG, T. - KARPENKO, Iu. - KATZY, J. M. - YATSENKO, E. - WERNER, K. EPOS LHC: Test of collective hadronization with data measured at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 92, no. 3, art. no. 034906., Registrované v: WOS
38. [1.1] PLUMBERG, C. Hanbury-Brown-Twiss interferometry and collectivity in p plus p, p plus Pb, and Pb plus Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 13 2020, vol. 102, no. 5., Registrované v: WOS
39. [1.1] RAJAGOPAL, Krishna - SADOBYEV, Andrey V. - VAN DER SCHEE, Wilke. Evolution of the Jet Opening Angle Distribution in Holographic Plasma. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 21, art. no. 211603., Registrované v: WOS
40. [1.1] SAKAIDA, Miki - ASAKAWA, Masayuki - KITAZAWA, Masakiyo. Higher order fluctuations of conserved charges in heavy ion collisions. In HOT QUARKS 2014: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS. ISSN 1742-6588, 2015, vol. 612, art. no. 012046., Registrované v: WOS
41. [1.1] SAKAI, A. - MURASE, K. - HIRANO, T. Rapidity decorrelation of anisotropic flow caused by hydrodynamic fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, DEC 2 2020, vol. 102, no. 6., Registrované v: WOS
42. [1.1] SCHENKE, Bjorn - SCHLICHTING, Soren. 3D glasma initial state for relativistic heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 4, art. no. 044907., Registrované v: WOS

43. [1.1] SCHULZ, P. - WOLSCHIN, G. Diffusion-model analysis of pPb and PbPb collisions at LHC energies. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2018, vol. 33, no. 17, art. no. 1850098., Registrované v: WOS
44. [1.1] SINGH, Arpit - SRIVASTAVA, P. K. - CHATURVEDI, O. S. K. - AHMAD, S. - SINGH, B. K. Transverse momentum distribution and elliptic flow of charged hadrons in U plus U collisions at root S-NN=193 GeV using HYDJET plus. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 5, art. no. 419., Registrované v: WOS
45. [1.1] VAN DER SCHEE, Wilke - SCHENKE, Bjoern. Rapidity dependence in holographic heavy ion collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 6, art. no. 064907., Registrované v: WOS
46. [1.1] VAN DER SCHEE, Wilke. Early hydrodynamisation, energy loss and small systems in holographic heavy ion collisions. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 07023., Registrované v: WOS
47. [1.1] WOLSCHIN, Georg. Beyond the thermal model in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024911., Registrované v: WOS
48. [1.1] WOLSCHIN, Georg. Ultraviolet energy dependence of particle production sources in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 91, no. 1, art. no. 014905., Registrované v: WOS
49. [1.1] WOLSCHIN, G. Aspects of Relativistic Heavy-Ion Collisions. In UNIVERSE. MAY 2020, vol. 6, no. 5., Registrované v: WOS
50. [1.1] WU, Xiang-Yu - PANG, Long-Gang - QIN, Guang-You - WANG, Xin-Nian. Longitudinal fluctuations and decorrelations of anisotropic flows at energies available at the CERN Large Hadron Collider and at the BNL Relativistic Heavy Ion Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 024913., Registrované v: WOS

ADCA61 ADAM, J. - ADAMOVIĆ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Centrality dependence of the pseudorapidity density distribution for charged particles in Pb-Pb collisions at root s(NN)=5.02 TeV. In *Physics Letters B*, 2017, vol. 772, p. 567-577. (2016: 4.807 - IF, Q1 - JCR, 3.032 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na:
<https://doi.org/10.1016/j.physletb.2017.07.017>

Ohlasy:

1. [1.1] BIERLICH, Christian - GUSTAFSON, Gosta - LONNBLAD, Leif - SHAH, Harsh. The Angantyr model for heavy-ion collisions in Pythia8. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 134., Registrované v: WOS
2. [1.1] HE, Yayun - CAO, Shanshan - CHEN, Wei - LUO, Tan - PANG, Long-Gang - WANG, Xin-Nian. Interplaying mechanisms behind single inclusive jet suppression in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 5, art. no. 054911., Registrované v: WOS
3. [1.1] CHANG, N.B. - TACHIBANA, Y. - QIN, G.Y. Nuclear modification of jet shape for inclusive jets and gamma-jets at the LHC energies. In PHYSICS LETTERS B. ISSN 0370-2693, FEB 10 2020, vol. 801., Registrované v: WOS

4. [1.1] CHEN, W. - CAO, S.S. - LUO, T. - PANG, L.G. - WANG, X.N. Medium modification of gamma-jet fragmentation functions in Pb plus Pb collisions at LHC. In PHYSICS LETTERS B. ISSN 0370-2693, NOV 10 2020, vol. 810., Registrované v: WOS
5. [1.1] JIANG, Ze-Fang - CSANAD, M. - KASZA, G. - YANG, C. B. - CSORGO, T. PSEUDORAPIDITY AND INITIAL-ENERGY DENSITIES IN p plus p AND HEAVY-ION COLLISIONS AT RHIC AND LHC. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, pp. 261-267., Registrované v: WOS
6. [1.1] JIANG, Ze-Fang - YANG, C. B. - DING, Chi - WU, Xiang-Yu. Pseudo-rapidity distribution from a perturbative solution of viscous hydrodynamics for heavy ion collisions at RHIC and LHC. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 12, art. no. 123103., Registrované v: WOS
7. [1.1] KELLERS, B. - WOLSCHIN, G. Limiting fragmentation at LHC energies. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2019, vol. 5, art. no. 053D03., Registrované v: WOS
8. [1.1] KUMAR, V. - SHUKLA, P. - BHATTACHARYYA, A. Suppression of quarkonia in PbPb collisions at root S-NN=5.02TeV. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JAN 2020, vol. 47, no. 1., Registrované v: WOS
9. [1.1] ROHRMOSER, M. - BRONIOWSKI, W. Longitudinal correlations from fluctuating strings in Pb-Pb, p-Pb, and p-p collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 10 2020, vol. 101, no. 1., Registrované v: WOS
10. [1.1] WOLSCHIN, G. Aspects of Relativistic Heavy-Ion Collisions. In UNIVERSE. MAY 2020, vol. 6, no. 5., Registrované v: WOS
11. [1.1] WOLSCHIN, G. Bottomonium spectroscopy in the quark-gluon plasma. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, OCT 20 2020, vol. 35, no. 29., Registrované v: WOS
12. [1.1] WU, Xiang-Yu - PANG, Long-Gang - QIN, Guang-You - WANG, Xin-Nian. Longitudinal fluctuations and decorrelations of anisotropic flows at energies available at the CERN Large Hadron Collider and at the BNL Relativistic Heavy Ion Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 024913., Registrované v: WOS
13. [1.1] ZHU, Lilin - ZHENG, Hua - KONG, Ruimin. Centrality and transverse momentum dependencies of hadrons in Pb plus Pb collisions at root S-NN=5.02 TeV and Xe plus Xe collisions at root S-NN=5.44 TeV from a multi-phase transport model. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 11, art. no. 205., Registrované v: WOS

ADCA62 ADAM, J. - ADAMOVIĆ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VAĽA, Martin. Centrality dependence of (sic)(2S) suppression in p-Pb collisions at root s(NN)=5.02 TeV. In *Journal of High Energy Physics*, 2016, no. 6, art. no. 050. (2015: 6.023 - IF, Q1 - JCR, 1.343 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP06\(2016\)050](https://doi.org/10.1007/JHEP06(2016)050)

Ohlasy:

1. [1.1] ARAKI, Ken-Ji - SUZUKI, Kei - GUBLER, Philipp - OKA, Makoto. Charmonium ground and excited states at finite temperature from complex Borel sum rules. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 780, pp. 48-53., Registrované v: WOS
2. [1.1] DU, Xiaojian - RAPP, Ralf. $\psi(2S)$ Production at the LHC. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. 012042., Registrované v: WOS
3. [1.1] GRAZIANI, Giacomo. Results on heavy ion physics at LHCb. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2018). ISSN 1742-6588, 2019, vol. 1271., Registrované v: WOS
4. [1.1] CHEN, Gu - CHANG, Chao-Hsi - WU, Xing-Gang. $B_c^{(*)}$ -meson production via the proton-nucleus and the nucleus-nucleus collision modes at the colliders RHIC and LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 114022., Registrované v: WOS
5. [1.1] KOLBE, Isobel - HOROWITZ, W. A. Short-path-length corrections to Djordjevic-Gyulassy-Levai-Vitev energy loss. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2., Registrované v: WOS
6. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS
7. [1.1] RAPP, R. - DU, X. Theoretical Perspective on Quarkonia from SPS via RHIC to LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 216-224., Registrované v: WOS

ADCA63 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Centrality determination of Pb-Pb collisions at root $s(NN)=2.76$ TeV with ALICE. In *Physical Review C. Nuclear physics*, 2013, vol. 88, no. 4, art. no. 044909. (2012: 3.715 - IF, 2.769 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.88.044909>

Ohlasy:

1. [1.1] ABDEL-WAGED, Khaled - FELEMBAN, Nuha. Kinematic constraints on interacting nucleons in Pb plus Pb collisions at root $s(NN)=2.76$ TeV within the HIJING code. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 2, art. no. 024910., Registrované v: WOS
2. [1.1] BERNHARD, J.E. - MORELAND, J.S. - BASS, S.A. Bayesian estimation of the specific shear and bulk viscosity of quark-gluon plasma. In NATURE PHYSICS. ISSN 1745-2473, NOV 2019, vol. 15, no. 11, p. 1113-+., Registrované v: WOS
3. [1.1] BHADURI, P.P. - BORGHINI, N. - JAISWAL, A. - STRICKLAND, M. Anisotropic escape mechanism and elliptic flow of bottomonia. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 12 2019, vol. 100, no. 5., Registrované v: WOS
4. [1.1] BHALERAO, R.S. - GIACALONE, G. - GUERRERO-RODRIGUEZ, P. - LUZUM, M. - MARQUET, C. - OLLITRAULT, J.Y. RELATING ECCENTRICITY FLUCTUATIONS TO

DENSITY FLUCTUATIONS IN HEAVY-ION COLLISIONS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, JUN 2019, vol. 50, no. 6, p. 1165-1176., Registrované v: WOS

5. [1.1] BIRO, T. S. - HORVATH, M. - SCHRAM, Zs. Elliptic flow due to radiation in heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 7, art. no. 75., Registrované v: WOS

6. [1.1] BRONIOWSKI, Wojciech - BOZEK, Piotr. Simple model for rapidity fluctuations in the initial state of ultrarelativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 6, art. no. 064910., Registrované v: WOS

7. [1.1] BUCCELLA, F. b decays: A factory for hidden charm multiquark states. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 114011., Registrované v: WOS

8. [1.1] BURNIER, Yannis - GASTALDI, Chiara. Contribution of next-to-leading order and Landau-Pomeranchuk-Migdal corrections to thermal dilepton emission in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 4, art. no. 044902., Registrované v: WOS

9. [1.1] BYLINKIN, A. A. - CHERNYAYSKAYA, N. S. - ROSTOVTSEV, A. A. Two components in charged particle production in heavy-ion collisions. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 903, pp. 204-210., Registrované v: WOS

10. [1.1] DEEPSHIKHA - KUMAR, Suneel. Heavy-ion collision dynamics: Correlation with elliptic flow and nuclear stopping. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 977, pp. 69-81., Registrované v: WOS

11. [1.1] DUCATI, M. B. Gay - MARTINS, S. Heavy meson photoproduction in peripheral AA collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 116013., Registrované v: WOS

12. [1.1] DUCATI, M.B.G. - MARTINS, S. HEAVY MESON COHERENT PHOTOPRODUCTION IN (ULTRA)-PERIPHERAL AA COLLISIONS. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 4, p. 819-824., Registrované v: WOS

13. [1.1] ESKOLA, K.J. - HELENIUS, I. - KUHA, M. - PAUKKUNEN, H. Shadowing in Inelastic Nucleon-Nucleon Cross Section?. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, NOV 18 2020, vol. 125, no. 21., Registrované v: WOS

14. [1.1] ESPOSITO, A. - GUERRIERI, A. L. - MAIANI, L. - PICCININI, F. - PILLONI, A. - POLOSA, A. D. - RIQUER, V. Observation of light nuclei at ALICE and the X(3872) conundrum. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 034028., Registrované v: WOS

15. [1.1] GARDIM, F.G. - GIACALONE, G. - OLLITRAULT, J.Y. The mean transverse momentum of ultracentral heavy-ion collisions: A new probe of hydrodynamics. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS

16. [1.1] GARDIM, F.G. - GIACALONE, G. - LUZUM, M. - OLLITRAULT, J.Y. Thermodynamics of hot strong-interaction matter from ultrarelativistic nuclear collisions. In NATURE PHYSICS. ISSN 1745-2473, JUN 2020, vol. 16, no. 6, p. 615-+, Registrované v: WOS

17. [1.1] GIACALONE, Giuliano - NORONHA-HOSTLER, Jacquelyn - LUZUM, Matthew - OLLITRAULT, Jean-Yves. Hydrodynamic predictions for

- 5.44 TeV Xe+Xe collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034904., Registrované v: WOS
18. [1.1] GIACALONE, G. Constraining the quadrupole deformation of atomic nuclei with relativistic nuclear collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, AUG 3 2020, vol. 102, no. 2., Registrované v: WOS
19. [1.1] GIACALONE, G. Turning up and down strong magnetic fields in relativistic nuclear collisions. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS
20. [1.1] GOULD, Oliver - RAJANTIE, Arttu. Magnetic Monopole Mass Bounds from Heavy-Ion Collisions and Neutron Stars. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 24, art. no. 241601., Registrované v: WOS
21. [1.1] GRONQVIST, Hanna - BLAIZOT, Jean-Paul - OLLITRAULT, Jean-Yves. Non-Gaussian eccentricity fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 3, art. no. 034905., Registrované v: WOS
22. [1.1] HWA, Rudolph C. - ZHU, Lilin. Universal formula for baryon spectra in heavy-ion collisions and its implications. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 5, art. no. 054908., Registrované v: WOS
23. [1.1] CHATTERJEE, Sandeep - TRIBEDY, Prithwish. Separation of flow from the chiral magnetic effect in U plus U collisions using spectator asymmetry. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 1, art. no. 011902., Registrované v: WOS
24. [1.1] CHEN SHI-YONG - SHEN KE-MING - DAI WEI - ZHANG BEN-WEI - ZHANG HAN-ZHONG - WANG EN-KE. Centrality Dependence of Productions for Single Hadrons and Inclusive Jets in High-Energy p plus A Collisions with NLO QCD. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2015, vol. 64, no. 1, pp. 95-102., Registrované v: WOS
25. [1.1] JACAZIO, Nicolo. Production of identified charged hadrons in Pb-Pb collisions at $\sqrt{s(NN)}=5.02$ TeV. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 421-424., Registrované v: WOS
26. [1.1] JIA, Jiangyong - RADHAKRISHNAN, Sooraj - ZHOU, Mingliang. Forward-backward multiplicity fluctuation and longitudinal harmonics in high-energy nuclear collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 4, art. no. 044905., Registrované v: WOS
27. [1.1] JIA, J.Y. - ZHANG, C.J. - XU, J. Centrality fluctuations and decorrelations in heavy-ion collisions in a Glauber model. In PHYSICAL REVIEW RESEARCH. JUN 11 2020, vol. 2, no. 2., Registrované v: WOS
28. [1.1] KOFARAGO, Monika. Near-side jet peak broadening in Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 342-345., Registrované v: WOS
29. [1.1] KOPECNA, Renata - TOMASIK, Boris. Event shape sorting. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 4, art. no. 115., Registrované v: WOS
30. [1.1] LAO, H.L. - GAO, Y.Q. - LIU, F.H. Light Particle and Quark Chemical Potentials from Negatively to Positively Charged Particle Yield Ratios Corrected by Removing Strong and Weak Decays. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, JAN 9 2020, vol. 2020., Registrované v: WOS

31. [1.1] NIEMI, H. - ESKOLA, K. J. - PAATELAINEN, R.
Event-by-event fluctuations in a perturbative QCD plus saturation plus hydrodynamics model: Determining QCD matter shear viscosity in ultrarelativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 2, art. no. 024907., Registrované v: WOS
32. [1.1] NORONHA-HOSTLER, Jacquelyn - LUZUM, Matthew - OLLITRAULT, Jean-Yves. Hydrodynamic predictions for 5.02 TeV Pb-Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 3, art. no. 034912., Registrované v: WOS
33. [1.1] OLIVA, L. - MOREAU, P. - VORONYUK, V. - BRATKOVSKAYA, E. Influence of electromagnetic fields in proton-nucleus collisions at relativistic energy. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 30 2020, vol. 101, no. 1., Registrované v: WOS
34. [1.1] PAUKKUNEN, Hannu. Neutron skin and centrality classification in high-energy heavy-ion collisions at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 745, pp. 73-78., Registrované v: WOS
35. [1.1] PROROK, Dariusz. Single freeze-out, statistics and pion, kaon and proton production in central Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 5, art. no. 055101., Registrované v: WOS
36. [1.1] QIAO, L.Y. - CHE, G.R. - GU, J.B. - ZHENG, H. - ZHANG, W.C. Nuclear modification factor in Pb-Pb and p-Pb collisions using Boltzmann transport equation. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JUL 2020, vol. 47, no. 7., Registrované v: WOS
37. [1.1] RAFELSKI, Johann. Melting hadrons, boiling quarks. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 9, art. no. 114., Registrované v: WOS
38. [1.1] ROGLY, Rudolph - GIACALONE, Giuliano - OLLITRAULT, Jean-Yves. Reconstructing the impact parameter of proton-nucleus and nucleus-nucleus collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 024902., Registrované v: WOS
39. [1.1] ROGLY, R. - GIACALONE, G. - OLLITRAULT, J.Y. Geometric scaling in symmetric nucleus-nucleus collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 355-358., Registrované v: WOS
40. [1.1] SHE ZHILEI - CHEN GANG - XU HONGGE - ZENG TINGTING - LI DIKAI. Centrality dependence of light (anti)nuclei and (anti)hypertriton production in Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 4, art. no. 93., Registrované v: WOS
41. [1.1] SHI, Min - SHI, Xin-Xing - NIU, Zhong-Ming - SUN, Ting-Ting - GUO, Jian-You. Relativistic extension of the complex scaled Green's function method for resonances in deformed nuclei. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 3, art. no. 40., Registrované v: WOS
42. [1.1] SURANYI, O. y Study of Very Forward Neutrons with the CMS Zero Degree Calorimeter. In UNIVERSE. OCT 2019, vol. 5, no. 10., Registrované v: WOS
43. [1.1] YAO, Xiaojun - MULLER, Berndt. Doubly charmed baryon production in heavy ion collisions. In PHYSICAL REVIEW D. ISSN 2470-0010,

- 2018, vol. 97, no. 7, art. no. 074003., Registrované v: WOS
44. [1.1] ZHOU, C. S. - MA, Y. G. - ZHANG, S. Scaling of nuclear modification factors for hadrons and light nuclei. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 12, art. no. 034905., Registrované v: WOS
45. [1.1] ZHOU, Mingliang - JIA, Jiangyong. Centrality fluctuations in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 4, art. no. 044903., Registrované v: WOS
46. [1.1] ZHU, L.L. - ZHENG, H. - KONG, R.M. Centrality and transverse momentum dependencies of hadrons in Pb plus Pb collisions at root S-NN=5.02 TeV and Xe plus Xe collisions at root S-NN=5.44 TeV from a multi-phase transport model. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, NOV 2019, vol. 55, no. 11., Registrované v: WOS

ADCA64 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VAĽA, Martin. Centrality evolution of the charged-particle pseudorapidity density over a broad pseudorapidity range in Pb–Pb collisions at root s(NN)=2.76 TeV. In *Physics Letters B*, 2016, vol. 754, p. 373-385. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2015.12.082>

Ohlasy:

1. [1.1] ABDEL-WAGED, Khaled - FELEMBAN, Nuha. Effects of shadowing in Pb plus Pb collisions at energies available at the CERN Large Hadron Collider within the HIJING code. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 9, art. no. 155., Registrované v: WOS
2. [1.1] ALQAHTANI, Mubarak - NOPOUSH, Mohammad - RYBLEWSKI, Radoslaw - STRICKLAND, Michael. Anisotropic hydrodynamic modeling of 2.76 TeV Pb-Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 4, art. no. 044910., Registrované v: WOS
3. [1.1] ALQAHTANI, Mubarak - NOPOUSH, Mohammad - RYBLEWSKI, Radoslaw - STRICKLAND, Michael. (3+1)D Quasiparticle Anisotropic Hydrodynamics for Ultrarelativistic Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 4, art. no. 042301., Registrované v: WOS
4. [1.1] ALQAHTANI, Mubarak - NOPOUSH, Mohammad - STRICKLAND, Michael. Relativistic anisotropic hydrodynamics. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 101, pp. 204-248., Registrované v: WOS
5. [1.1] BIERLICH, Christian - GUSTAFSON, Gosta - LONNBLAD, Leif - SHAH, Harsh. The Angantyr model for heavy-ion collisions in Pythia8. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 134., Registrované v: WOS
6. [1.1] GAO, Y. - ZHENG, H. - ZHU, L. L. - BONASERA, A. Description of charged particle pseudorapidity distributions in Pb plus Pb collisions with Tsallis thermodynamics. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 10, art. no. 197., Registrované v: WOS
7. [1.1] GONG, Xiong-Tao - JIANG, Ze-Fang - SHE, Duan - YANG, C.

B. Viscous Hydrodynamic Description of the Pseudorapidity Density and Energy Density Estimation for Pb+Pb and Xe+Xe Collisions at the LHC. In UNIVERSE, 2019, vol. 5, no. 5., Registrované v: WOS

8. [1.1] CHANG, N.B. - TACHIBANA, Y. - QIN, G.Y. Nuclear modification of jet shape for inclusive jets and gamma-jets at the LHC energies. In PHYSICS LETTERS B. ISSN 0370-2693, FEB 10 2020, vol. 801., Registrované v: WOS

9. [1.1] CHEN, Ya-Hui - LIU, Fu-Hu. Event patterns extracted from anisotropic spectra of charged particles produced in Pb-Pb collisions at 2.76 TeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 11, art. no. 230., Registrované v: WOS

10. [1.1] JIANG ZE-FANG - YANG CHUN-BIN - CSANAD, Mate - CSORGO, Tamas. Accelerating hydrodynamic description of pseudorapidity density and the initial energy density in p plus p, Cu plus Cu, Au plus Au, and Pb plus Pb collisions at energies available at the BNL Relativistic Heavy Ion Collider and the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 6, art. no. 064906., Registrované v: WOS

11. [1.1] JIANG, Ze-Fang - YANG, C. B. - DING, Chi - WU, Xiang-Yu. Pseudo-rapidity distribution from a perturbative solution of viscous hydrodynamics for heavy ion collisions at RHIC and LHC. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 12, art. no. 123103., Registrované v: WOS

12. [1.1] KE, Weiyao - MORELAND, J. Scott - BERNHARD, Jonah E. - BASS, Steffen A. Constraints on rapidity-dependent initial conditions from charged-particle pseudorapidity densities and two-particle correlations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 4, art. no. 044912., Registrované v: WOS

13. [1.1] KE, Weiyao - MORELAND, J. Scott - BERNHARD, Jonah E. - BASS, Steffen A. Constraints on rapidity-dependent initial conditions from charged particle pseudorapidity densities and correlations at the LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 483-486., Registrované v: WOS

14. [1.1] MA, Guo-Liang - LIN, Zi-Wei. Predictions for $\sqrt{s(NN)}=5.02$ TeV Pb + Pb collisions from a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 5, art. no. 054911., Registrované v: WOS

15. [1.1] OKAMOTO, Kazuhisa - NONAKA, Chiho. Temperature dependence of transport coefficients of QCD in high-energy heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 5, art. no. 054906., Registrované v: WOS

16. [1.1] SAKAI, A. - MURASE, K. - HIRANO, T. Rapidity decorrelation of anisotropic flow caused by hydrodynamic fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, DEC 2 2020, vol. 102, no. 6., Registrované v: WOS

17. [1.1] SEIFERT, E. - CASSING, W. Baryon-antibaryon dynamics in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 4, art. no. 044907., Registrované v: WOS

transverse momentum dependence of J/Psi suppression in Pb-Pb collisions at root(NN)-N-S=2.76TeV. In *Physics Letters B*, 2014, vol. 734, p. 314-327. (2013: 6.019 - IF, Q1 - JCR, 3.707 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2014.05.064>

Ohlasy:

1. [1.1] ABREU, L. M. - CAVALCANTI, E. - MALBOUISSON, A. P. C. Impact of unitarization on the J/psi-light meson cross section. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2018, vol. 978, pp. 107-122., Registrované v: WOS
2. [1.1] ABREU, L.M. - NAVARRA, F.S. - NIELSEN, M. Upsilon suppression in a hadron gas. In *PHYSICAL REVIEW C*. ISSN 2469-9985, JAN 9 2020, vol. 101, no. 1., Registrované v: WOS
3. [1.1] AKAMATSU, Yukinao - ASAKAWA, Masayuki - KAJIMOTO, Shiori - ROTHKOPF, Alexander. Quantum dissipation of a heavy quark from a nonlinear stochastic Schrodinger equation. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2018, no. 7, art. no. 029., Registrované v: WOS
4. [1.1] ARONSON, Samuel - BORRAS, Evan - ODEGARD, Brunel - SHARMA, Rishi - VITEV, Ivan. Collisional and thermal dissociation of J/psi and Y states at the LHC. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2018, vol. 778, pp. 384-391., Registrované v: WOS
5. [1.1] AVILA, Daniel - FERNANDEZ, Daniel - PATINO, Leonardo - TRANCANELLI, Diego. Thermodynamics of anisotropic branes. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2016, no. 11, art. no. 132., Registrované v: WOS
6. [1.1] BHAVSAR, Tanvi - SHAH, Manan - VINODKUMAR, P. C. Status of quarkonia-like negative and positive parity states in a relativistic confinement scheme. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 227., Registrované v: WOS
7. [1.1] BLAIZOT, Jean-Paul - DE BONI, Davide - FACCIOLI, Pietro - GARBEROGLIO, Giovanni. Heavy quark bound states in a quark-gluon plasma: Dissociation and recombination. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2016, vol. 946, pp. 49-88., Registrované v: WOS
8. [1.1] BRUNO, Giuseppe Eugenio. CERN achievements in relativistic heavy ion collisions. In *3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS*. ISSN 2100-014X, 2015, vol. 95, art. no. 06001., Registrované v: WOS
9. [1.1] BURNIER, Yunnis - KACZMAREK, Olaf - ROTHKOPF, Alexander. In-medium P-wave quarkonium from the complex lattice QCD potential. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2016, no. 10, art. no. 032., Registrované v: WOS
10. [1.1] DE BONI, Davide. Fate of in-medium heavy quarks via a Lindblad equation. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2017, no. 8, art. no. 064., Registrované v: WOS
11. [1.1] DUCATI, M. B. Gay - MARTINS, S. Heavy meson photoproduction in peripheral AA collisions. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 116013., Registrované v: WOS
12. [1.1] DUCATI, M.B.G. - MARTINS, S. HEAVY MESON COHERENT PHOTOPRODUCTION IN (ULTRA)-PERIPHERAL AA

COLLISIONS. In ACTA PHYSICA POLONICA B PROCEEDINGS
SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 4, p. 819-824.,

Registrované v: WOS

13. [1.1] DUDAL, David - MAHAPATRA, Subhash. Thermal entropy of a quark-antiquark pair above and below deconfinement from a dynamical holographic QCD model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 12, art. no. 126010., Registrované v: WOS

14. [1.1] DU, Xiaojian - RAPP, Ralf. Sequential regeneration of charmonia in heavy-ion collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 943, pp. 147-158., Registrované v: WOS

15. [1.1] DU, Xiaojian - RAPP, Ralf. $\psi(2S)$ Production at the LHC. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012042., Registrované v: WOS

16. [1.1] DU, X. - HE, M. - RAPP, R. Color screening and regeneration of bottomonia in high-energy heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 5, art. no. 054901., Registrované v: WOS

17. [1.1] ELLER, A.M. - GHIGLIERI, J. - MOORE, G.D. Thermal quarkonium mass shift from Euclidean correlators. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 31 2019, vol. 99, no. 9., Registrované v: WOS

18. [1.1] FACCIOLI, Pietro - LOURENCO, Carlos. The fate of quarkonia in heavy-ion collisions at LHC energies: a unified description of the sequential suppression patterns. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 731., Registrované v: WOS

19. [1.1] FADAFAN, Kazem Bitaghsir - TABATABAEI, Seyed Kamal. Entropic destruction of a moving heavy quarkonium. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 2, art. no. 026007., Registrované v: WOS

20. [1.1] FEDERICOVA, Pavla. J/ψ production at the STAR experiment. In XXIII INTERNATIONAL BALDIN SEMINAR ON HIGH ENERGY PHYSICS PROBLEMS RELATIVISTIC NUCLEAR PHYSICS AND QUANTUM CHROMODYNAMICS (BALDIN ISHEPP XXIII). ISSN 2100-014X, 2017, vol. 138, art. no. UNSP 01017., Registrované v: WOS

21. [1.1] FEDERIC, Pavol. Heavy flavor measurements at the STAR experiment. In XXIII INTERNATIONAL BALDIN SEMINAR ON HIGH ENERGY PHYSICS PROBLEMS RELATIVISTIC NUCLEAR PHYSICS AND QUANTUM CHROMODYNAMICS (BALDIN ISHEPP XXIII). ISSN 2100-014X, 2017, vol. 138, art. no. UNSP 01015., Registrované v: WOS

22. [1.1] GANESH, S. - SINGH, Captain R. - MISHRA, M. $\psi(2S)$ enhancement in p-Pb collision as an indication of quark-gluon plasma formation at the Large Hadron Collider. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 3, art. no. 035003., Registrované v: WOS

23. [1.1] GAULD, Rhorry. Forward D predictions for pPb collisions, and sensitivity to cold nuclear matter effects. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1., Registrované v: WOS

24. [1.1] HUANG, Xinjie. Measurement of J/ψ production in Au plus Au collisions at $\sqrt{s_{NN}}=200$ GeV by the STAR experiment. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 487-490., Registrované v: WOS

25. [1.1] CHALOUPKA, Petr. Highlights from the heavy-ion program in

STAR. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 06001., Registrované v: WOS

26. [1.1] CHENG, P. - LUO, X.F. - PING, J.L. - ZONG, H.S. Finite volume effects on the quarkonium dissociation temperature in an impenetrable QGP sphere. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 24 2019, vol. 100, no. 1., Registrované v: WOS

27. [1.1] CHO, Sungtae. Enhanced production of $\psi(2S)$ mesons in heavy ion collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 5, art. no. 054914., Registrované v: WOS

28. [1.1] KAJIMOTO, Shiori - AKAMATSU, Yukinao - ASAKAWA, Masayuki - ROTHKOPF, Alexander. Dynamical dissociation of quarkonia by wave function decoherence. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 014003., Registrované v: WOS

29. [1.1] KIKOLA, Daniel. Five things you should remember about heavy flavor measurements. In HOT QUARKS 2014: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS. ISSN 1742-6588, 2015, vol. 612, art. no. 012023., Registrované v: WOS

30. [1.1] KLUSEK-GAWENDA, Mariola - SZCZUREK, Antoni. Photoproduction of J/Ψ mesons in peripheral and semicentral heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 4, art. no. 044912., Registrované v: WOS

31. [1.1] KUMAR, Vineet - SHUKLA, Prashant - VOGT, Ramona. Quarkonia suppression in PbPb collisions at $\sqrt{s(NN)}=2.76$ TeV. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 2, art. no. 024908., Registrované v: WOS

32. [1.1] KUMAR, Vineet - SHUKLA, Prashant. Charmonia production in p plus p collisions under NRQCD formalism. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 8, art. no. 085003., Registrované v: WOS

33. [1.1] KUMAR, V. - SHUKLA, P. - BHATTACHARYYA, A. Suppression of quarkonia in PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JAN 2020, vol. 47, no. 1., Registrované v: WOS

34. [1.1] KURKELA, A. - MAZELIAUSKAS, A. Chemical Equilibration in Hadronic Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, APR 10 2019, vol. 122, no. 14., Registrované v: WOS

35. [1.1] LIU, Yunpeng - ZHOU, Kai - ZHUANG, Pengfei. Quarkonia in high energy nuclear collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2015, vol. 24, no. 11, art. no. 1530015., Registrované v: WOS

36. [1.1] MIURA, T. - AKAMATSU, Y. - ASAKAWA, M. - ROTHKOPF, A. Quantum Brownian motion of a heavy quark pair in the quark-gluon plasma. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 11 2020, vol. 101, no. 3., Registrované v: WOS

37. [1.1] NAYAK, Gouranga C. Proof of factorization of heavy quarkonium production in non-equilibrium QCD at RHIC and LHC. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 2, art. no. 52., Registrované v: WOS

38. [1.1] NOUICER, Rachid. Experimental Highlights: Heavy Quark Physics in Heavy-Ion Collisions at RHIC. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 06021., Registrované v: WOS
39. [1.1] NOUICER, Rachid. Open Heavy Flavor and Quarkonia Results at RHIC. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 06003., Registrované v: WOS
40. [1.1] RAFELSKI, Johann. Melting hadrons, boiling quarks. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 9, art. no. 114., Registrované v: WOS
41. [1.1] RAPP, R. - DU, X. Theoretical Perspective on Quarkonia from SPS via RHIC to LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 216-224., Registrované v: WOS
42. [1.1] SHI, Wei - ZHA, Wangmei - CHEN, Baoyi. Charmonium coherent photoproduction and hadroproduction with effects of quark gluon plasma. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 777, pp. 399-405., Registrované v: WOS
43. [1.1] SHUKLA, Prashant. Results on Quarkonium and Heavy Meson Production in PbPb Collisions by CMS Experiment. In XXII DAE HIGH ENERGY PHYSICS SYMPOSIUM. ISSN 0930-8989, 2018, vol. 203, pp. 39-42., Registrované v: WOS
44. [1.1] SCHMIDT, I - SIDDIKOV, M. - MUSAKHANOV, M. Charmonia suppression in heavy ion collisions: Hot versus cold matter effects. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 025207., Registrované v: WOS
45. [1.1] SPOUSTA, Martin. Flavor aspects of parton energy loss. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 53-58., Registrované v: WOS
46. [1.1] SPOUSTA, Martin. On similarity of jet quenching and charmonia suppression. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 767, pp. 10-15., Registrované v: WOS
47. [1.1] TAHERY, S. - SADEGHI, J. Quark-antiquark entropic force and diffusion constant in a Yang-Mills-like theory. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 17, art. no. 1850101., Registrované v: WOS
48. [1.1] TANNENBAUM, M. J. How hadron collider experiments contributed to the development of QCD: from hard-scattering to the perfect liquid. In EUROPEAN PHYSICAL JOURNAL H. ISSN 2102-6459, 2018, vol. 43, no. 2, pp. 119-183., Registrované v: WOS
49. [1.1] TODOROKI, Takahito. Measurements of charmonium production in p plus p, p plus Au, and Au plus Au collisions at $\sqrt{s(NN)}=200$ GeV with the STAR experiment. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 572-575., Registrované v: WOS
50. [1.1] TODOROKI, Takahito. Quarkonium measurements via the di-muon decay channel in p plus p and Au plus Au collisions with the STAR experiment. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012040., Registrované v: WOS
51. [1.1] WANG, P.F. - ZHA, W.M. - TANG, Z.B. Recent progress of

quarkonium measurements in heavy-ion collisions at RHIC energies from STAR. In SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA. ISSN 1674-7275, 2019, vol. 49, no. 10., Registrované v: WOS

52. [1.1] XIE, Wei. Heavy flavor Production and Interactions in Relativistic Heavy-Ion Collisions in CMS Experiment. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012002., Registrované v: WOS

53. [1.1] YU, Gong-Ming - CAI, Yang-Bing - LI, Yun-De - WANG, Jian-Song. Heavy quarkonium photoproduction in ultrarelativistic heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 1, art. no. 014905., Registrované v: WOS

54. [1.1] ZHANG, Zi-qiang - LUO, Zhong-jie - HOU, De-fu - CHEN, Gang. Entropic Destruction of Heavy Quarkonium from a Deformed AdS(5) Model. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, art. no. 8910210., Registrované v: WOS

55. [1.1] ZHANG, Z.Q. Entropic destruction of heavy quarkonium in heavy quark cloud. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 5 2020, vol. 101, no. 10., Registrované v: WOS

56. [1.1] ZHANG, Z.Q. - HOU, D.F. Entropic destruction of heavy quarkonium in quark-gluon plasma with gluon condensate. In PHYSICS LETTERS B. ISSN 0370-2693, APR 10 2020, vol. 803., Registrované v: WOS

57. [1.1] ZHA, Wangmei - TANG, Zebo. Experimental review of quarkonium production in heavy-ion collisions. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 83-88., Registrované v: WOS

ADCA66 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Centrality, rapidity, and transverse momentum dependence of isolated prompt photon production in lead-lead collisions at root S-NN=2.76 TeV measured with the ATLAS detector. In *Physical Review C*, 2016, vol. 93, no. 3, art. no. 034914. (2015: 3.146 - IF, Q2 - JCR, 1.993 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.93.034914>

Ohlasy:

1. [1.1] BUSZA, Wit - RAJAGOPAL, Krishna - VAN DER SCHEE, Wilke. Heavy Ion Collisions: The Big Picture and the Big Questions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 68. ISSN 0163-8998, 2018, vol. 68, pp. 339-376., Registrované v: WOS

2. [1.1] DAVID, G. Direct real photons in relativistic heavy ion collisions. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, APR 2020, vol. 83, no. 4., Registrované v: WOS

3. [1.1] DE, Somnath. The effect of neutron skin on inclusive prompt photon production in Pb plus Pb collisions at Large Hadron Collider energies. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 4, art. no. 045104., Registrované v: WOS

4. [1.1] ELAYAVALLI, Raghav Kunnawalkam - ZAPP, Korinna Christine. Simulating V plus jet processes in heavy ion collisions with JEWEL. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no.

- 12, art. no. 695., Registrované v: WOS
5. [1.1] ESKOLA, K.J. - HELENIUS, I. - KUHA, M. - PAUKKUNEN, H. Shadowing in Inelastic Nucleon-Nucleon Cross Section?. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, NOV 18 2020, vol. 125, no. 21., Registrované v: WOS
6. [1.1] GOHARIPOUR, Muhammad - MEHRABAN, Hossein. Study of isolated prompt photon production in p-Pb collisions for the ALICE kinematics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 054002., Registrované v: WOS
7. [1.1] GOHARIPOUR, Muhammad - MEHRABAN, Hossein. Predictions for the Isolated Prompt Photon Production at the LHC at root s=13TeV. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, art. no. 3802381., Registrované v: WOS
8. [1.1] GOHARIPOUR, M. - ROSTAMI, S. Probing nuclear modifications of parton distribution functions through the isolated prompt photon production at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 20 2019, vol. 99, no. 5., Registrované v: WOS
9. [1.1] KANG, Zhong-Bo - VITEV, Ivan - XING, Hongxi. Vector-boson-tagged jet production in heavy ion collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 1, art. no. 014912., Registrované v: WOS
10. [1.1] KLASSEN, Micheal - KLEIN-BOESING, Christian - POPPENBORG, Hendrik. Prompt photon production and photon-jet correlations at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 081., Registrované v: WOS
11. [1.1] NABOKA, V. Yu - SINYUKOV, Yu M. - ZINOVJEV, G. M. Direct-photon spectrum and elliptic flow produced from Pb plus Pb collisions at root S-NN=2.76 TeV at the CERN Large Hadron Collider within an integrated hydrokinetic model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 5, art. no. 054907., Registrované v: WOS
12. [1.1] NABOKA, V.Y. - SINYUKOV, Y.M. - ZINOVJEV, G.M. Photon spectra and anisotropic flow in heavy ion collisions at the top RHIC energy within the integrated hydrokinetic model with photon hadronization emission. In NUCLEAR PHYSICS A. ISSN 0375-9474, AUG 2020, vol. 1000., Registrované v: WOS
13. [1.1] PAUKKUNEN, H. - ZURITA, P. Can we fit nuclear PDFs with the high-x CLAS data?. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 8 2020, vol. 80, no. 5., Registrované v: WOS

ADCA67 ACHARYA, S. - ADAMOVIĆ, D. - ADHYA, S.P. - ADLER, A. - ADOLFSSON, J. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Coherent J/psi photoproduction at forward rapidity in ultra-peripheral Pb-Pb collisions at root s(NN)=5.02 TeV. In *Physics Letters B*, 2019, vol. 798, art. no. 134926. (2018: 4.162 - IF, Q2 - JCR, 1.806 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2019.134926>

Ohlasy:

1. [1.1] ETHIER, J.J. - NOCERA, E.R. Parton Distributions in Nucleons and Nuclei. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE

SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 43-76., Registrované v: WOS

2. [1.1] HENKELS, C. - DE OLIVEIRA, E.G. - PASECHNIK, R. - TREBIEN, H. Exclusive photoproduction of excited quarkonia in ultraperipheral collisions. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 16 2020, vol. 102, no. 1., Registrované v: WOS

3. [1.1] KRELINA, M. - NEMCHIK, J. D-wave effects in heavy quarkonium production in ultraperipheral nuclear collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 22 2020, vol. 102, no. 11., Registrované v: WOS

4. [1.1] SCHAFER, W. Photon induced processes: from ultraperipheral to semicentral heavy ion collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, SEP 17 2020, vol. 56, no. 9., Registrované v: WOS

ADCA68 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - ŠÁNDOR, Ladislav - VALA, Martin. Coherent J/psi photoproduction in ultra-peripheral Pb-Pb collisions at root s(NN)=2.76 TeV. In *Physics Letters B*, 2013, vol. 718, no. 4-5, p. 1273-1283. (2012: 4.569 - IF, Q1 - JCR, 3.353 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2012.11.059>

Ohlasy:

1. [1.1] BERTULANI, Carlos A. - HUSSEIN, Mahir S. Current Status of Nuclear Physics Research. In BRAZILIAN JOURNAL OF PHYSICS. ISSN 0103-9733, 2015, vol. 45, no. 6, pp. 730-755., Registrované v: WOS

2. [1.1] BERTULANI, C. A. And there was light. In EXOTIC NUCLEI AND NUCLEAR/PARTICLE ASTROPHYSICS (V). FROM NUCLEI TO STARS. ISSN 0094-243X, 2015, vol. 1645, pp. 121-131., Registrované v: WOS

3. [1.1] CISEK, Anna - SCHAEFER, Wolfgang - SZCZUREK, Antoni. Exclusive photoproduction of J/psi and psi(2S) in pp and AA collisions. In DIFFRACTION 2014: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2015, vol. 1654, art. no. 100001., Registrované v: WOS

4. [1.1] COELHO, R.O. - GONCALVES, V.P. Exclusive Z(0) photoproduction at the Large Hadron Collider and the Future Circular Collider. In NUCLEAR PHYSICS B. ISSN 0550-3213, JUL 2020, vol. 956., Registrované v: WOS

5. [1.1] DAVID, G. Direct real photons in relativistic heavy ion collisions. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, APR 2020, vol. 83, no. 4., Registrované v: WOS

6. [1.1] DONG, X. - LEE, Y.J. - RAPP, R. Open Heavy-Flavor Production in Heavy-Ion Collisions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 69. ISSN 0163-8998, 2019, vol. 69, p. 417-445., Registrované v: WOS

7. [1.1] DUCATI, M. B. Gay - GRIEP, M. T. - MACHADO, M. V. T. Exclusive photoproduction of quarkonium at the LHC energies within the color dipole approach. In DIFFRACTION 2014: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2015, vol. 1654, art. no. 100002., Registrované v: WOS

8. [1.1] FRANKFURT, L. - GUZEY, V. - STRIKMAN, M. Dynamical

model of antishadowing of the nuclear gluon distribution. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 5, art. no. 055208.,
Registrované v: WOS

9. [1.1] FU, Qiang - CHEN, Xurong. Coherent photoproduction of J/psi and (sic) mesons in pp and PbPb ultraperipheral collisions from dynamical gluon distributions. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 11, art. no. 114105., Registrované v: WOS

10. [1.1] GAY DUCATI, M. B. - KOPP, F. - MACHADO, M. V. T. - MARTINS, S. Photoproduction of upsilon states in ultraperipheral collisions at the CERN Large Hadron Collider within the color dipole approach. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 094023., Registrované v: WOS

11. [1.1] GIL DA SILVEIRA, G. - GONCALVES, V. P. - JAIME, M. M. Exclusive vector meson photoproduction at the LHC and a future circular collider: A closer look on the final state. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034020., Registrované v: WOS

12. [1.1] GIUBEGA, L.E. Soft QCD and CEP at LHCb. In XIII INTERNATIONAL CONFERENCE ON BEAUTY, CHARM AND HYPERON HADRONS (BEACH 2018). ISSN 1742-6588, 2019, vol. 1137., Registrované v: WOS

13. [1.1] GONCALVES, V. P. Investigating the transverse single spin asymmetry in the inelastic J/Psi photoproduction in p(up arrow)p and p(up arrow)A collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 014001., Registrované v: WOS

14. [1.1] GONCALVES, V. P. - DA SILVEIRA, G. G. Probing the photon flux in the diffractive quarkonium photoproduction at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 054013., Registrované v: WOS

15. [1.1] GONCALVES, V. P. - JAIME, M. M. Exclusive vector meson photoproduction in fixed-target collisions at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 693., Registrované v: WOS

16. [1.1] GONCALVES, V. P. - JAIME, M. M. - MARTINS, D. E. - RANGEL, M. S. Exclusive and diffractive mu(+)mu(-) production in pp collisions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 074024., Registrované v: WOS

17. [1.1] GONCALVES, V. P. - MOREIRA, B. D. - NAVARRA, F. S. Exclusive Upsilon photoproduction in hadronic collisions at CERN LHC energies. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 742, pp. 172-177., Registrované v: WOS

18. [1.1] GONCALVES, V. P. - MOREIRA, B. D. - NAVARRA, F. S. Diffractive photoproduction of J/psi at LHC energies. In XXXVII BRAZILIAN MEETING ON NUCLEAR PHYSICS. ISSN 1742-6588, 2015, vol. 630, art. no. 012061., Registrované v: WOS

19. [1.1] GONCALVES, V. P. - MOREIRA, B. D. - NAVARRA, F. S. Double vector meson production in gamma gamma interactions at hadronic colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 3, art. no. 103., Registrované v: WOS

20. [1.1] GONCALVES, V. P. - MARTINS, L. A. S. - SAUTER, W. K. Probing the gluon density of the proton in the exclusive photoproduction of

- vector mesons at the LHC: a phenomenological analysis. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 2, art. no. 97., Registrované v: WOS
21. [1.1] GONCALVES, V. P. - MACHADO, M. V. T. - MOREIRA, B. D. - NAVARRA, F. S. - DOS SANTOS, G. Sampaio. Color dipole predictions for the exclusive vector meson photoproduction in pp, pPb, and PbPb collisions at run 2 LHC energies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 094027., Registrované v: WOS
 22. [1.1] GONCALVES, V. P. - MARTINS, L. S. - MOREIRA, B. D. Diffractive quarkonium photoproduction in pp and pA collisions at the LHC: Predictions of the resolved Pomeron model for the Run 2 energies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074029., Registrované v: WOS
 23. [1.1] GONCALVES, V. P. - MOREIRA, B. D. - NAVARRA, F. S. Exclusive heavy vector meson photoproduction in hadronic collisions at the LHC: Predictions of the color glass condensate model for Run 2 energies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 054011., Registrované v: WOS
 24. [1.1] GONCALVES, V. P. - MOREIRA, B. D. η (c) production in photon-induced interactions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 094009., Registrované v: WOS
 25. [1.1] GONCALVES, V. P. - NAVARRA, F. S. - SPIERING, D. Probing saturation physics in the Real Compton Scattering at ultraperipheral pPb collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 774, pp. 189-194., Registrované v: WOS
 26. [1.1] GONCALVES, V. P. - NAVARRA, F. S. - SPIERING, D. Probing saturation physics in the Real Compton Scattering at ultraperipheral pPb collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 774, pp. 189-194., Registrované v: WOS
 27. [1.1] GONCALVES, V. P. - SAUTER, W. K. η (c) production in photon-induced interactions at a fixed target experiment at LHC as a probe of the odderon. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 9, art. no. 094014., Registrované v: WOS
 28. [1.1] GONCALVES, V. P. - SAMPAIO DOS SANTOS, G. - SENA, C. R. Inclusive heavy quark photoproduction in pp, pPb and PbPb collisions at Run 2 LHC energies. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 976, pp. 33-45., Registrované v: WOS
 29. [1.1] GONCALVES, V.P. - MOREIRA, B.D. Probing the X(4350) in interactions at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 4 2019, vol. 79, no. 1., Registrované v: WOS
 30. [1.1] GONCALVES, V.P. - MOREIRA, B.D. A phenomenological analysis of the nonperturbative QCD contributions for the photon wave function. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 2 2020, vol. 80, no. 6., Registrované v: WOS
 31. [1.1] GUSKOV, A. Search for muoproduction of the X(3872) at COMPASS. In XIII INTERNATIONAL CONFERENCE ON BEAUTY, CHARM AND HYPERON HADRONS (BEACH 2018). ISSN 1742-6588, 2019, vol. 1137., Registrované v: WOS
 32. [1.1] GUZEY, V. Dijet Photoproduction in Ultraperipheral Collisions at the LHC and Nuclear PDFs at Small x. In PHYSICS OF PARTICLES AND

NUCLEI LETTERS. ISSN 1547-4771, SEP 2019, vol. 16, no. 5, p. 498-502.,
Registrované v: WOS

33. [1.1] GUZEY, V. - KLASSEN, M. Diffractive dijet photoproduction in ultraperipheral collisions at the LHC in next-to-leading order QCD. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, vol., no. 4, art. no. 158., Registrované v: WOS

34. [1.1] GUZEY, V. - KLASSEN, M. Inclusive dijet photoproduction in ultraperipheral heavy ion collisions at the CERN Large Hadron Collider in next-to-leading order QCD. In PHYSICAL REVIEW C. ISSN 2469-9985, JUN 25 2019, vol. 99, no. 6., Registrované v: WOS

35. [1.1] GUZEY, V. - KLASSEN, M. Constraints on nuclear parton distributions from dijet photoproduction at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 8 2019, vol. 79, no. 5., Registrované v: WOS

36. [1.1] HENKELS, C. - DE OLIVEIRA, E.G. - PASECHNIK, R. - TREBIEN, H. Exclusive photoproduction of excited quarkonia in ultraperipheral collisions. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 16 2020, vol. 102, no. 1., Registrované v: WOS

37. [1.1] KENNY, Pat. Ultra-peripheral Heavy-Ion Collisions with CMS. In DIFFRACTION 2014: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2015, vol. 1654, art. no. 100004., Registrované v: WOS

38. [1.1] KLUSEK-GAWENDA, Mariola - SZCZUREK, Antoni. Photoproduction of J/Psi mesons in peripheral and semicentral heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 4, art. no. 044912., Registrované v: WOS

39. [1.1] KUSINA, Aleksander - LANSBERG, Jean-Philippe - SCHIENBEIN, Ingo - SHAO, Hua-Sheng. Gluon Shadowing in Heavy-Flavor Production at the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 5, art. no. 052004., Registrované v: WOS

40. [1.1] KUSINA, A. - LANSBERG, J. P. - SCHIENBEIN, I. - SHAO, H. S. IMPACT OF LHC HEAVY-FLAVOUR DATA ON NUCLEAR GLUON PDF. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2018, vol. 49, no. 6, pp. 1185-1198., Registrované v: WOS

41. [1.1] LANSBERG, J. P. - SZYMANOWSKI, L. - WAGNER, J. Lepton-pair production in ultraperipheral collisions at AFTER@LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art. no. 087., Registrované v: WOS

42. [1.1] LAPPI, T. - MANTYSAARI, H. - VENUGOPALAN, R. Ballistic Protons in Incoherent Exclusive Vector Meson Production as a Measure of Rare Parton Fluctuations at an Electron-Ion Collider. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 8, art. no. 082301., Registrované v: WOS

43. [1.1] LAPPI, T. - MANTYSAARI, H. - PENTTALA, J. Relativistic corrections to the vector meson light front wave function. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 22 2020, vol. 102, no. 5., Registrované v: WOS

44. [1.1] LIU, Fu-Hu - LAO, Hai-Ling - LACEY, Roy A. Productions of J/psi mesons in p-Pb collisions at 5 TeV. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25,

no. 6, art. no. 1650036., Registrované v: WOS

45. [1.1] LOMNITZ, M. - KLEIN, S. Exclusive vector meson production at an electron-ion collider. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 11 2019, vol. 99, no. 1., Registrované v: WOS

46. [1.1] LUSZCZAK, A. - SCHAFER, W. Coherent photoproduction of J/ψ in nucleus-nucleus collisions in the color dipole approach. In PHYSICAL REVIEW C. ISSN 2469-9985, APR 8 2019, vol. 99, no. 4., Registrované v: WOS

47. [1.1] MANTYSAARI, Heikki - SCHENKE, Bjorn. Revealing proton shape fluctuations with incoherent diffraction at high energy. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 034042., Registrované v: WOS

48. [1.1] MANTYSAARI, Heikki - SCHENKE, Bjorn. Probing subnucleon scale fluctuations in ultraperipheral heavy ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 772, pp. 832-838., Registrované v: WOS

49. [1.1] MANTYSAARI, Heikki - VENUGOPALAN, Raju. Systematics of strong nuclear amplification of gluon saturation from exclusive vector meson production in high energy electron-nucleus collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 781, pp. 664-671., Registrované v: WOS

50. [1.1] MOREIRA, B. D. - BERTULANI, C. A. - GONCALVES, V. P. - NAVARRA, F. S. Production of exotic charmonium in gamma gamma interactions at hadron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 094024., Registrované v: WOS

51. [1.1] SAMBASIVAM, B. - TOLL, T. - ULLRICH, T. Investigating saturation effects in ultraperipheral collisions at the LHC with the color dipole model. In PHYSICS LETTERS B. ISSN 0370-2693, APR 10 2020, vol. 803., Registrované v: WOS

52. [1.1] SAMPAIO DOS SANTOS, G. - MACHADO, M. V. T. On theoretical uncertainty of color dipole phenomenology in the J/ψ and Upsilon photoproduction in pA and AA collisions at the CERN Large Hadron Collider. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 10, art. no. 105001., Registrované v: WOS

53. [1.1] SAMPAIO DOS SANTOS, G. - MACHADO, M. V. T. Light vector meson photoproduction in hadron-hadron and nucleus-nucleus collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 2, art. no. 025203., Registrované v: WOS

54. [1.1] SHI, Wei - ZHA, Wangmei - CHEN, Baoyi. Charmonium coherent photoproduction and hadroproduction with effects of quark gluon plasma. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 777, pp. 399-405., Registrované v: WOS

55. [1.1] SCHAFER, W. Photon induced processes: from ultraperipheral to semicentral heavy ion collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, SEP 17 2020, vol. 56, no. 9., Registrované v: WOS

56. [1.1] TANG, Z.B. - ZHA, W.M. - ZHANG, Y.F. An experimental review of open heavy flavor and quarkonium production at RHIC. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, AUG 4 2020, vol. 31, no. 8., Registrované v: WOS

57. [1.1] TU, Z.D.M. - JENTSCH, A. - BAKER, M. - ZHENG, L. - LEE,

- J.H. - VENUGOPALAN, R. - HEN, O. - HIGINBOTHAM, D. -
 ASCHENAUER, E.C. - ULLRICH, T. Probing short-range correlations in the
 deuteron via incoherent diffractive J/psi production with spectator tagging at the
 EIC. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811.,
 Registrované v: WOS
58. [1.1] Ultra-peripheral heavy-ion collisions with the CMS experiment.
 In XLVI INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE
 DYNAMICS (ISMD 2016). ISSN 2100-014X, 2017, vol. 141, art. no. UNSP
 08001., Registrované v: WOS
59. [1.1] VAN HULSE, C. CENTRAL EXCLUSIVE PRODUCTION AT
 LHCb. In UKRAINIAN JOURNAL OF PHYSICS. ISSN 2071-0186, 2019, vol.
 64, no. 7, p. 595-601., Registrované v: WOS
60. [1.1] WALCZAK, M.B. ULTRA-PERIPHERAL VECTOR MESON
 PHOTOPRODUCTION IN HEAVY-ION COLLISIONS IN CMS. In ACTA
 PHYSICA POLONICA B. ISSN 0587-4254, 2020, vol. 51, no. 6, p. 1585-1591.,
 Registrované v: WOS
61. [1.1] WANG, P.F. - ZHA, W.M. - TANG, Z.B. Recent progress of
 quarkonium measurements in heavy-ion collisions at RHIC energies from STAR.
 In SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA. ISSN
 1674-7275, 2019, vol. 49, no. 10., Registrované v: WOS
62. [1.1] XIE, Ya-ping - CHEN, Xurong. The coherent cross section of
 vector mesons in ultraperipheral PbPb collisions at the LHC. In EUROPEAN
 PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 6, art. no. 316.,
 Registrované v: WOS
63. [1.1] XIE, Ya-Ping - CHEN, Xurong. Incoherent vector mesons
 production in PbPb ultraperipheral collisions at the LHC. In NUCLEAR
 PHYSICS A. ISSN 0375-9474, 2017, vol. 959, pp. 56-65., Registrované v: WOS
64. [1.1] XIE, Ya-Ping - CHEN, Xurong. J/psi production in PbPb
 ultraperipheral collisions at $\sqrt{s(NN)}=2.76$ TeV. In NUCLEAR PHYSICS A.
 ISSN 0375-9474, 2017, vol. 957, pp. 477-490., Registrované v: WOS
65. [1.1] XIE, Ya-Ping - CHEN, Xurong. Photoproduction of vector
 mesons in proton-proton ultraperipheral collisions at the CERN Large Hadron
 Collider. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN
 0217-751X, 2018, vol. 33, no. 14-15, art. no. 1850086., Registrované v: WOS
66. [1.1] XIE, Ya-Ping - CHEN, Xurong. Exclusive photoproduction of
 vector mesons in proton-lead ultraperipheral collisions at the LHC. In
 NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 970, pp. 316-324.,
 Registrované v: WOS
67. [1.1] YU, Gong-Ming - CAI, Yang-Bing - LI, Yun-De - WANG,
 Jian-Song. Heavy quarkonium photoproduction in ultrarelativistic heavy ion
 collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 1, art.
 no. 014905., Registrované v: WOS
68. [1.1] YU, Gong-Ming - YU, Yue-Chao - LI, Yun-De - WANG,
 Jian-Song. Charmonium production in ultra-peripheral heavy ion collisions with
 two- photon processes. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol.
 917, pp. 234-240., Registrované v: WOS
69. [1.1] ZAJC, W. A. The Way Forward Closing Remarks at Quark
 Matter 2017. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp.
 265-272., Registrované v: WOS

ADCA69 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALINÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Coherent ψ (2S) photo-production in ultra-peripheral Pb-Pb collisions at $\sqrt{s(NN)}=2.76\text{TeV}$. In *Physics Letters B*, 2015, vol. 751, p. 358-370. (2014: 6.131 - IF, Q1 - JCR, 3.562 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2015.10.040>

Ohlasy:

1. [1.1] GUZEY, V - KLASSEN, M. Inclusive dijet photoproduction in ultraperipheral heavy ion collisions at the CERN Large Hadron Collider in next-to-leading order QCD. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 6., Registrované v: WOS
2. [1.1] GUZEY, V - KLASSEN, M. Constraints on nuclear parton distributions from dijet photoproduction at the LHC. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2019, vol. 79, no. 5., Registrované v: WOS
3. [1.1] GUZEY, V. Dijet Photoproduction in Ultraperipheral Collisions at the LHC and Nuclear PDFs at Small x. In *PHYSICS OF PARTICLES AND NUCLEI LETTERS*. ISSN 1547-4771, 2019, vol. 16, no. 5, pp. 498-502., Registrované v: WOS
4. [1.1] GUZEY, V. - KLASSEN, M. Diffractive dijet photoproduction in ultraperipheral collisions at the LHC in next-to-leading order QCD. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2016, no. 4, art. no. 158., Registrované v: WOS
5. [1.1] HENKELS, C. - DE OLIVEIRA, E.G. - PASECHNIK, R. - TREBIEN, H. Exclusive photoproduction of excited quarkonia in ultraperipheral collisions. In *PHYSICAL REVIEW D*. ISSN 1550-7998, JUL 16 2020, vol. 102, no. 1., Registrované v: WOS
6. [1.1] CHEN, Guangyao - LI, Yang - MARIS, Pieter - TUCHIN, Kirill - VARY, James P. Charmonium spectrum and diffractive production in a light-front Hamiltonian approach. In *NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS*. ISSN 2405-6014, 2017, vol. 289, pp. 409-413., Registrované v: WOS
7. [1.1] SAMBASIVAM, B. - TOLL, T. - ULLRICH, T. Investigating saturation effects in ultraperipheral collisions at the LHC with the color dipole model. In *PHYSICS LETTERS B*. ISSN 0370-2693, APR 10 2020, vol. 803., Registrované v: WOS
8. [1.1] XIE, Ya-Ping - CHEN, Xurong. Incoherent vector mesons production in PbPb ultraperipheral collisions at the LHC. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2017, vol. 959, pp. 56-65., Registrované v: WOS
9. [1.1] XIE, Ya-Ping - CHEN, Xurong. Photoproduction of vector mesons in proton-proton ultraperipheral collisions at the CERN Large Hadron Collider. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2018, vol. 33, no. 14-15, art. no. 1850086., Registrované v: WOS
10. [1.1] XIE, Ya-Ping - CHEN, Xurong. Exclusive photoproduction of vector mesons in proton-lead ultraperipheral collisions at the LHC. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2018, vol. 970, pp. 316-324., Registrované v: WOS
11. [1.1] YU, Gong-Ming - YU, Yue-Chao - LI, Yun-De - WANG,

Jian-Song. Charmonium production in ultra-peripheral heavy ion collisions with two- photon processes. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 917, pp. 234-240., Registrované v: WOS

12. [1.1] ZHAO, J.X. - ZHOU, K. - CHEN, S.L. - ZHUANG, P.F. Heavy flavors under extreme conditions in high energy nuclear collisions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, SEP 2020, vol. 114., Registrované v: WOS

ADCA70 ADAM, J. - ADAMOVIĆ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Coherent $\rho(0)$ photoproduction in ultra-peripheral Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV. In *Journal of High Energy Physics*, 2015, no. 9, art. no. 095. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP09\(2015\)095](https://doi.org/10.1007/JHEP09(2015)095)

Ohlasy:

1. [1.1] ALGUACIL, J.S. The Votive Roman Epigraphy of Caldas de Montbui (Valles Oriental, Barcelona) (1st-2nd Century AD). An Example of Promotion of Provincial Elites from Tarraconensis in Places with Mineral-medicinal Waters. In PANTA REI-REVISTA DIGITAL DE CIENCIA Y DIDACTICA DE LA HISTORIA. ISSN 1136-2464, 2020, p. 61-88., Registrované v: WOS

2. [1.1] DUCATI, M. B. Gay - KOPP, F. - MACHADO, M. V. T. Coherent and incoherent Upsilon production in ultraperipheral collisions at the Large Hadron Collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 054001., Registrované v: WOS

3. [1.1] GONCALVES, V. P. - MACHADO, M. V. T. - MOREIRA, B. D. - NAVARRA, F. S. - DOS SANTOS, G. Sampaio. Color dipole predictions for the exclusive vector meson photoproduction in pp, pPb, and PbPb collisions at run 2 LHC energies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 094027., Registrované v: WOS

4. [1.1] GUZEY, V - KLASSEN, M. Inclusive dijet photoproduction in ultraperipheral heavy ion collisions at the CERN Large Hadron Collider in next-to-leading order QCD. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 6., Registrované v: WOS

5. [1.1] KHOZE, V. A. - MARTIN, A. D. - RYSKIN, M. G. Exclusive vector meson production in heavy ion collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 8., Registrované v: WOS

6. [1.1] KLEIN, S.R. - STEINBERG, P. Photonuclear and Two-Photon Interactions at High-Energy Nuclear Colliders. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 323-354., Registrované v: WOS

7. [1.1] KOPP, F. - MACHADO, M. V. T. Coherent and incoherent production of vector mesons in ultraperipheral collisions of xenon ions within the QCD parton saturation approach. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 014010., Registrované v: WOS

8. [1.1] LOMNITZ, Michael - KLEIN, Spencer. Exclusive vector meson production at an electron-ion collider. In PHYSICAL REVIEW C. ISSN

2469-9985, 2019, vol. 99, no. 1., Registrované v: WOS

9. [1.1] SAMBASIVAM, B. - TOLL, T. - ULLRICH, T. Investigating saturation effects in ultraperipheral collisions at the LHC with the color dipole model. In PHYSICS LETTERS B. ISSN 0370-2693, APR 10 2020, vol. 803., Registrované v: WOS

10. [1.1] YU, Gong-Ming - YU, Yue-Chao - LI, Yun-De - WANG, Jian-Song. Charmonium production in ultra-peripheral heavy ion collisions with two- photon processes. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 917, pp. 234-240., Registrované v: WOS

ADCA71 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Combination of CDF and D0 measurements of the W boson helicity in top quark decays. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2012, vol. 85, no. 7, art. no. R071106. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.85.071106>

Ohlasy:

1. [1.1] DEL DUCA, Vittorio - LAENEN, Eric. Top physics at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 35, art. no. 1530063., Registrované v: WOS

ADCA72 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Combination of CDF and D0 W-Boson mass measurements. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2013, vol. 88, no. 5, art. no. 052018. (2012: 4.691 - IF, Q1 - JCR, 2.725 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.88.052018>

Ohlasy:

1. [1.1] MANGANO, Michelangelo - MELIA, Tom. Rare exclusive hadronic W decays in a $t(\bar{t})$ environment. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 6, art. no. 358., Registrované v: WOS

2. [1.1] QUACKENBUSH, Seth - SULLIVAN, Zack. Parton distributions and the W mass measurement. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 033008., Registrované v: WOS

ADCA73 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Combination of inclusive and differential $t(\bar{t})$ charge asymmetry measurements using ATLAS and CMS data at $\sqrt{s}=7$ and 8 TeV. In *Journal of High Energy Physics*, 2018, no. 4, art. no. 033. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP04\(2018\)033](https://doi.org/10.1007/JHEP04(2018)033)

Ohlasy:

1. [1.1] AMBARSARI, C.G. - CAHYADI, D. - SARI, L. - SATRIA, O. - SAHLI, F. - DARMADI, T.L. - KADARISTIANA, A. Late diagnosis of Lesch-Nyhan disease complicated with end-stage renal disease and tophi burst: a case report. In RENAL FAILURE. ISSN 0886-022X, JAN 1 2020, vol. 42, no. 1, p. 113-121., Registrované v: WOS

2. [1.1] BRIVIO, I. - TROTT, M. The standard model as an effective field theory. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, FEB 27 2019, vol. 793, p. 1-98., Registrované v: WOS
3. [1.1] CZAKON, Michal - HEYMES, David - MITOV, Alexander - PAGANI, Davide - TSINIKOS, Ioannis - ZARO, Marco. Top-quark charge asymmetry at the LHC and Tevatron through NNLO QCD and NLO EW. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 014003., Registrované v: WOS

ADCA74 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Combination of measurements of the top-quark pair production cross section from the Tevatron Collider. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2014, vol. 89, no. 7, art. no. 072001. (2013: 4.864 - IF, Q1 - JCR, 2.482 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Ohlasy:

1. [1.1] AGUILAR-SAAVEDRA, Juan A. - FUKS, Benjamin - MANGANO, Michelangelo L. Pinning down top dipole moments with ultraboosted tops. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 094021., Registrované v: WOS
2. [1.1] BROD, Joachim - DROBNAK, Jure - KAGAN, Alexander L. - STAMOU, Emmanuel - ZUPAN, Jure. Stealth QCD-like strong interactions and the $t(\bar{t})$ asymmetry. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 095009., Registrované v: WOS
3. [1.1] DEL DUCA, Vittorio - LAENEN, Eric. Top physics at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 35, art. no. 1530063., Registrované v: WOS
4. [1.1] FRANZOSI, Diogo Buarque - ZHANG, Cen. Probing the top-quark chromomagnetic dipole moment at next-to-leading order in QCD. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 114010., Registrované v: WOS
5. [1.1] GODBOLE, Rohini M. - MENDIRATTA, Gaurav - RINDANI, Saurabh D. Looking for BSM physics using top-quark polarization and decay-lepton kinematic asymmetries. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 094013., Registrované v: WOS
6. [1.1] GREINER, Nicolas - KONG, Kyoungchul - PARK, Jong-Chul - PARK, Seong Chan - WINTER, Jan-Christopher. Model-independent production of a top-philic resonance at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 029., Registrované v: WOS
7. [1.1] HARLAND-LANG, L. A. - MARTIN, A. D. - MOTYLINSKI, P. - THORNE, R. S. Parton distributions in the LHC era: MMHT 2014 PDFs. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 204., Registrované v: WOS
8. [1.1] CHRISTIANSEN, Jesper R. - SKANDS, Peter Z. String formation beyond leading colour. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 8, art. no. 003., Registrované v: WOS

ADCA75 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména -

STRÍŽENEC, Pavol - URBÁN, Jozef. Combination of searches for heavy resonances decaying into bosonic and leptonic final states using 36 fb(-1) of proton-proton collision data at root s=13 TeV with the ATLAS detector. In *Physical Review D*, 2018, vol. 98, no. 5, art. no. 052008. (2017: 4.394 - IF, Q1 - JCR, 1.801 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Ohlasy:

1. [1.1] AHMED, A. - DILLON, B.M. - NAJJARI, S. Dilaton portal in strongly interacting twin Higgs models. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, FEB 20 2020, no. 2., Registrované v: WOS
2. [1.1] ALVES, A. - GHOSH, T. - GUO, H.K. - SINHA, K. - VAGIE, D. Collider and gravitational wave complementarity in exploring the singlet extension of the standard model. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, APR 5 2019, no. 4., Registrované v: WOS
3. [1.1] AZEVEDO, D. - DUCH, M. - GRZADKOWSKI, B. - HUANG, D. - IGLICKI, M. - SANTOS, R. Testing scalar versus vector dark matter. In *PHYSICAL REVIEW D*. ISSN 2470-0010, JAN 9 2019, vol. 99, no. 1., Registrované v: WOS
4. [1.1] HUITU, K. - KOIVUNEN, N. - LEBEDEV, O. - MONDAL, S. - TOMA, T. Probing pseudo-Goldstone dark matter at the LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, JUL 9 2019, vol. 100, no. 1., Registrované v: WOS
5. [1.1] LIU, D. - WANG, L.T. - XIE, K.P. Prospects of searching for composite resonances at the LHC and beyond. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, JAN 18 2019, no. 1., Registrované v: WOS
6. [1.1] OUYANG, R.W. - MATSUZAKI, S. Enhanced di-Higgs signal from hidden scalar QCD at leading-order in the scale-symmetry limit. In *PHYSICAL REVIEW D*. ISSN 2470-0010, APR 29 2019, vol. 99, no. 7., Registrované v: WOS
7. [1.1] ROBENS, T. - STEFANIAK, T. - WITTBRODT, J. Two-real-scalar-singlet extension of the SM: LHC phenomenology and benchmark scenarios. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, FEB 19 2020, vol. 80, no. 2., Registrované v: WOS

ADCA76 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABED ABUD, A. - ABELING, K. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Combination of searches for Higgs boson pairs in pp collisions at root s=13 TeV with the ATLAS detector. In *Physics Letters B : Nuclear, Elementary Particle and High-Energy Physics*, 2020, vol. 800, art. no. 135103. (2019: 4.384 - IF, Q1 - JCR, 1.795 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2019.135103>

Ohlasy:

1. [1.1] ARCO, F. - HEINEMEYER, S. - HERRERO, M.J. Exploring sizable triple Higgs couplings in the 2HDM. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, SEP 24 2020, vol. 80, no. 9., Registrované v: WOS
2. [1.1] LANE, K. - PILON, E. Phenomenology of the new light Higgs bosons in Gildener-Weinberg models. In *PHYSICAL REVIEW D*. ISSN

- 2470-0010, MAR 26 2020, vol. 101, no. 5., Registrované v: WOS
3. [1.1] MANGANO, M.L. - ORTONA, G. - SELVAGGI, M.
Measuring the Higgs self-coupling via Higgs-pair production at a 100 TeV p-p collider. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 8 2020, vol. 80, no. 11., Registrované v: WOS
 4. [1.1] RINDANI, S.D. - SINGH, B. Indirect measurement of triple-Higgs coupling at an electron-positron collider with polarized beams. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, FEB 10 2020, vol. 35, no. 4., Registrované v: WOS
 5. [1.1] ROBENS, T. - STEFANIAK, T. - WITTBRODT, J.
Two-real-scalar-singlet extension of the SM: LHC phenomenology and benchmark scenarios. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 19 2020, vol. 80, no. 2., Registrované v: WOS

ADCA77 AABOUD, M. - AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Combination of Searches for Invisible Higgs Boson Decays with the ATLAS Experiment. In *Physical Review Letters*, 2019, vol. 122, no. 23, art. no. 231801. (2018: 9.227 - IF, Q1 - JCR, 3.571 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.122.231801>

Ohlasy:

1. [1.1] ALTMANNSHOFER, W. - MADDOCK, B. - PROFUMO, S.
Doubly blind spots in scalar dark matter models. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 23 2019, vol. 100, no. 5., Registrované v: WOS
2. [1.1] ARAKI, T. - ASAI, K. - SATO, J. - SHIMOMURA, T. Low scale seesaw models for low scale $U(1)(L_\mu - L_\tau)$ symmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 13 2019, vol. 100, no. 9., Registrované v: WOS
3. [1.1] CLINE, J.M. - TOMA, T. Pseudo-Goldstone dark matter confronts cosmic ray and collider anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 26 2019, vol. 100, no. 3., Registrované v: WOS
4. [1.1] ENGELN, I. - FERREIRA, P. - MUHLLEITNER, M.M. - SANTOS, R. - WITTBRODT, J. The dark phases of the N2HDM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 19 2020, no. 8., Registrované v: WOS
5. [1.1] HOSTERT, M. - KANETA, K. - POSPELOV, M. Pair production of dark particles in meson decays. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 23 2020, vol. 102, no. 5., Registrované v: WOS
6. [1.1] CHO, W.S. - KIM, H.D. - LEE, D. Boosting invisible Higgs boson searches by tagging a gluon jet for the gluon fusion process. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 3 2020, vol. 102, no. 11., Registrované v: WOS
7. [1.1] KRAML, S. - LOC, T.Q. - NHUNG, D.T. - NINH, L.D.
Constraining new physics from Higgs measurements with Lilith: update to LHC Run 2 results. In SCIPOST PHYSICS. ISSN 2542-4653, OCT 2019, vol. 7, no. 4., Registrované v: WOS
8. [1.1] ROBENS, T. - STEFANIAK, T. - WITTBRODT, J.
Two-real-scalar-singlet extension of the SM: LHC phenomenology and benchmark scenarios. In EUROPEAN PHYSICAL JOURNAL C. ISSN

- 1434-6044, FEB 19 2020, vol. 80, no. 2., Registrované v: WOS
9. [1.1] SANYAL, P. - NAYAK, A.C. - KASHYAP, G. - JAIN, P. Cosmological dark matter in a conformal model. In *PHYSICAL REVIEW D*. ISSN 2470-0010, DEC 18 2019, vol. 100, no. 11., Registrované v: WOS
10. [1.1] WANG, K. - ZHU, J.Y. A novel scenario in the semi-constrained NMSSM. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, JUN 10 2020, no. 6., Registrované v: WOS
11. [1.1] WANG, K. - ZHU, J.Y. Funnel annihilations of light dark matter and the invisible decay of the Higgs boson. In *PHYSICAL REVIEW D*. ISSN 2470-0010, MAY 20 2020, vol. 101, no. 9., Registrované v: WOS

ADCA78 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Combination of searches for the Higgs boson using the full CDF data set. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2013, vol. 88, no. 5, art. no. 052013. (2012: 4.691 - IF, Q1 - JCR, 2.725 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.88.052013>

Ohlasy:

1. [1.1] BECHTLE, Philip - HEINEMEYER, Sven - STAL, Oscar - STEFANIAK, Tim - WEIGLEIN, Georg. Applying exclusion likelihoods from LHC searches to extended Higgs sectors. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 421., Registrované v: WOS
2. [1.1] KAGAN, Alexander L. - PEREZ, Gilad - PETRIELLO, Frank - SOREQ, Yotam - STOYNEV, Stoyan - ZUPAN, Jure. Exclusive Window onto Higgs Yukawa Couplings. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2015, vol. 114, no. 10, art. no. 101802., Registrované v: WOS
3. [1.1] PEREZ, Gilad - SOREQ, Yotam - STAMOU, Emmanuel - TOBIOKA, Kohsaku. Constraining the charm Yukawa and Higgs-quark coupling universality. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 033016., Registrované v: WOS

ADCA79 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Combination of searches for WW, WZ, and ZZ resonances in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Physics Letters B*, 2016, vol. 755, p. 285-305. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2016.02.015>

Ohlasy:

1. [1.1] AYDEMIR, Ufuk - MINIC, Djordje - SUN, Chen - TAKEUCHI, Tatsu. The 750 GeV diphoton excess in unified $SU(2)(L) \times SU(2)(R) \times SU(4)$ models from noncommutative geometry. In *MODERN PHYSICS LETTERS A*. ISSN 0217-7323, 2016, vol. 31, no. 18, art. no. 1650101., Registrované v: WOS
2. [1.1] AYDEMIR, Ufuk - MINIC, Djordje - SUN, Chen - TAKEUCHI, Tatsu. B-decay anomalies and scalar leptoquarks in unified Pati-Salam models from noncommutative geometry. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2018, no. 9, art. no. 117., Registrované v: WOS

3. [1.1] BAMBHANIYA, Gulab - DEV, P. S. Bhupal - GOSWAMI, Srubabati - MITRA, Manimal. The scalar triplet contribution to lepton flavour violation and neutrinoless double beta decay in Left-Right Symmetric Model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 046., Registrované v: WOS
4. [1.1] BHATTACHERJEE, Biplob - BYAKTI, Pritibhajan - KUSHWAHA, Ashwani - VEMPATI, Sudhir K. Unification with vector-like fermions and signals at LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 090., Registrované v: WOS
5. [1.1] BUSCHMANN, Malte - YU, Felix. Angular observables for spin discrimination in boosted diboson final states. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 9, art. no. 036., Registrované v: WOS
6. [1.1] DE ROMERI, Valentina - KIM, Jong Soo - MARTIN-LOZANO, Victor - ROLBIECKI, Krzysztof - RUIZ DE AUSTRI, Roberto. Confronting dark matter with the diphoton excess from a parent resonance decay. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 262., Registrované v: WOS
7. [1.1] DJOUADI, Abdelhak - ELLIS, John - GODBOLE, Rohini - QUEVILLON, Jeremie. Future collider signatures of the possible 750 GeV state. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, pp. 1-63., Registrované v: WOS
8. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS
9. [1.1] FORESTELL, Lindsay - MORRISSEY, David E. - SIGURDSON, Kris. Non-Abelian dark forces and the relic densities of dark glueballs. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015032., Registrované v: WOS
10. [1.1] FUNATSU, Shuichiro - HATANAKA, Hisaki - HOSOTANI, Yutaka - ORIKASA, Yuta. Collider signals of W' and Z' bosons in the gauge-Higgs unification. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035032., Registrované v: WOS
11. [1.1] HUANG, T. - NO, J. M. - PERNIE, L. - RAMSEY-MUSOLF, M. - SAFONOV, A. - SPANNOVSKY, M. - WINSLOW, P. Resonant di-Higgs boson production in the $b(b)\overline{b}WW$ channel: Probing the electroweak phase transition at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035007., Registrované v: WOS
12. [1.1] CHEUNG, Kingman - KO, P. - LEE, Jae Sik - PARK, Jubin - TSENG, Po-Yan. Higgs precision study of the 750 GeV diphoton resonance and the 125 GeV standard model Higgs boson with Higgs-singlet mixing. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 033010., Registrované v: WOS
13. [1.1] KIM, Jong Soo - ROLBIECKI, Krzysztof - RUIZ DE AUSTRI, Roberto. Model-independent combination of diphoton constraints at 750 GeV. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 251., Registrované v: WOS
14. [1.1] KRAML, Sabine - LAA, Ursula - MAWATARI, Kentarou - YAMASHITA, Kimiko. Simplified dark matter models with a spin-2 mediator at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017,

vol. 77, no. 5, art. no. 326., Registrované v: WOS

15. [1.1] LAPSIEN, T. - KOGLER, R. - HALLER, J. A new tagger for hadronically decaying heavy particles at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 11, art. no. 600., Registrované v: WOS

16. [1.1] LEBIEDOWICZ, Piotr - LUSZCZAK, Marta - PASECHNIK, Roman - SZCZUREK, Antoni. Can the diphoton enhancement at 750 GeV be due to a neutral technipion? In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015023., Registrované v: WOS

17. [1.1] SERENKOVA, I.A. - OSLAND, P. - PANKOV, A.A. Improved bounds on W - W' mixing with ATLAS resonant WZ production data at the LHC at root $s=13$ TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 8 2019, vol. 100, no. 1., Registrované v: WOS

ADCA80 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Combination of Tevatron Searches for the Standard Model Higgs Boson in the $W+W-$ Decay Mode. In *Physical Review Letters*, 2010, vol. 104, no. 6, art. no. 061802. (2009: 7.328 - IF, 6.325 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.104.061802>

Ohlasy:

1. [1.1] HUANG, Ding-wei. Temporal evolution of multi-author papers in basic sciences from 1960 to 2010. In SCIENTOMETRICS. ISSN 0138-9130, 2015, vol. 105, no. 3, pp. 2137-2147., Registrované v: WOS

ADCA81 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Combination of the Searches for Pair-Produced Vectorlike Partners of the Third-Generation Quarks at root $s=13$ TeV with the ATLAS Detector. In *Physical Review Letters*, 2018, vol. 121, no. 21, art. no. 211801. (2017: 8.839 - IF, Q1 - JCR, 3.622 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.121.211801>

Ohlasy:

1. [1.1] BANERJEE, A. - BHATTACHARYYA, G. Probing the Higgs boson through Yukawa force. In NUCLEAR PHYSICS B. ISSN 0550-3213, DEC 2020, vol. 961., Registrované v: WOS

2. [1.1] BHATTIPROLU, P.N. - MARTIN, S.P. Prospects for vectorlike leptons at future proton-proton colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 19 2019, vol. 100, no. 1., Registrované v: WOS

3. [1.1] BOLTON, P.D. - DEPPISCH, F.F. - HATI, C. - PATRA, S. - SARKAR, U. Alternative formulation of left-right symmetry with $B-L$ conservation and purely Dirac neutrinos. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 14 2019, vol. 100, no. 3., Registrované v: WOS

4. [1.1] DILLON, B.M. Neutral naturalness from a holographic $SO(6)/SO(5)$ composite Higgs model. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 6 2019, vol. 99, no. 11., Registrované v: WOS

5. [1.1] GONG, X. - YUE, C.X. - YU, H.M. - LI, D. Single production of vector-like bottom quark at the LHeC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 22 2020, vol. 80, no. 9., Registrované v:

WOS

6. [1.1] HERNANDEZ, A.E.C. - GONZALEZ, J.M. - SALDANA-SALAZAR, U.J. Viable low-scale model with universal and inverse seesaw mechanisms. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 26 2019, vol. 100, no. 3., Registrované v: WOS
7. [1.1] HERNANDEZ, A.E.C. - HUONG, D.T. - LONG, H.N. Minimal model for the fermion flavor structure, mass hierarchy, dark matter, leptogenesis, and the electron and muon anomalous magnetic moments. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 8 2020, vol. 102, no. 5., Registrované v: WOS
8. [1.1] HE, S.P. Higgs boson to gamma Z decay as a probe of flavor-changing neutral Yukawa couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 27 2020, vol. 102, no. 7., Registrované v: WOS
9. [1.1] HOU, G.W.S. Perspectives and outlook from HEP window on the universe. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, JAN 20 2019, vol. 34, no. 2., Registrované v: WOS
10. [1.1] RIZZO, T.G. Kinetic mixing and portal matter phenomenology. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 18 2019, vol. 99, no. 11., Registrované v: WOS
11. [1.1] SHANG, L.L. - WEI, W. - YANG, B.F. Search for vector-like T quark through the channel at e^+e^- collider. In NUCLEAR PHYSICS B. ISSN 0550-3213, JUN 2020, vol. 955., Registrované v: WOS
12. [1.1] SONG, J. - YOON, Y.W. W gamma decay of the elusive charged Higgs boson in the two-Higgs-doublet model with vectorlike fermions. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 6 2019, vol. 100, no. 5., Registrované v: WOS
13. [1.1] YOON, J. - PESKIN, M.E. Dissection of an $SO(5) \times U(1)$ gauge-Higgs unification model. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 3 2019, vol. 100, no. 1., Registrované v: WOS
14. [1.1] ZHOU, H. - LIU, N. Probing vector-like top partner from same-sign dilepton events at the LHC. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, OCT 1 2020, vol. 72, no. 10., Registrované v: WOS
15. [1.1] ZHOU, H. - LIU, N. Probing a new decay of a vectorlike top partner mediated by a heavy Majorana neutrino via single production. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 23 2020, vol. 101, no. 11., Registrované v: WOS

ADCA82 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Combination of the top-quark mass measurements from the Tevatron collider. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2012, vol. 86, no. 9, art. no. 092003. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.86.092003>

Ohlasy:

1. [1.1] BOBETH, Christoph - GORBAHN, Martin - VICKERS, Stefan. Weak annihilation and new physics in charmless $B \rightarrow MM$ decays. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 7, art. no. 340., Registrované v: WOS
2. [1.1] KUEHN, J. H. - SCHARF, A. - UWER, P. Weak interactions in

top-quark pair production at hadron colliders: An update. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 014020.,
Registrované v: WOS

ADCA83 AABOUD, M. - AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Combinations of single-top-quark production cross-section measurements and vertical bar $f(LV)V(tb)$ vertical bar determinations at $\sqrt{s}=7$ and 8 TeV with the ATLAS and CMS experiments. In *Journal of High Energy Physics*, 2019, no. 5, art. no. 088. (2018: 5.833 - IF, Q1 - JCR, 1.016 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP05\(2019\)088](https://doi.org/10.1007/JHEP05(2019)088)

Ohlasy:

1. [1.1] BROWN, S. - ENGLERT, C. - GALLER, P. - STYLIANOU, P. Electroweak top couplings, partial compositeness, and top partner searches. In PHYSICAL REVIEW D. ISSN 1550-7998, OCT 19 2020, vol. 102, no. 7.,
Registrované v: WOS

ADCA84 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Combined measurement of differential and total cross sections in the $H - \gamma\gamma$ and the $H - ZZ^* - 4l$ decay channels at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Physics Letters B*, 2018, vol. 786, p. 114-133. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.09.019>

Ohlasy:

1. [1.1] DULAT, F. - MISTLBERGER, B. - PELLONI, A. Precision predictions at (NLO)-L-3 for the Higgs boson rapidity distribution at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 13 2019, vol. 99, no. 3.,
Registrované v: WOS

2. [1.1] FLORES-SANCHEZ, O. - HERNANDEZ-SANCHEZ, J. - HONORATO, C.G. - MORETTI, S. - ROSADO-NAVARRO, S. Light charged Higgs boson production at the Large Hadron electron Collider. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 13 2019, vol. 99, no. 9., Registrované v: WOS

3. [1.1] HUNG, H.T. - HONG, T.T. - PHUONG, H.H. - MAI, H.L.T. - HUE, L.T. Neutral Higgs boson decays $H \rightarrow Z \gamma\gamma$ in 3-3-1 models. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS

4. [1.1] NELSON, A.E. - PARK, M. - WALKER, D.G.E. Composite Higgs models with a hidden sector. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 21 2019, vol. 100, no. 7., Registrované v: WOS

ADCA85 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Combined Measurement of the Higgs Boson Mass in pp Collisions at $\sqrt{s}=7$ and 8 TeV with the ATLAS and CMS Experiments. In *Physical Review Letters*, 2015, vol. 114, no. 19, art. no. 191803. (2014: 7.512 - IF, Q1 - JCR, 5.232 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS,

SCOPUS). ISSN 0031-9007. Dostupné na:
<https://doi.org/10.1103/PhysRevLett.114.191803>

Ohlasy:

1. [1.1] ABDULLAH, Mohammad - FENG, Jonathan L. Reviving bino dark matter with vectorlike fourth generation particles. In PHYSICAL REVIEW D. ISSN 1550-7998, 2016, vol. 93, no. 1, art. no. 015006., Registrované v: WOS
2. [1.1] ABDUSSALAM, S. S. - VELASCO-SEVILLA, L. Where to look for natural supersymmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035026., Registrované v: WOS
3. [1.1] ABDUSSALAM, S. - CABRERA, M.E. Revealing mass-degenerate states in Higgs boson signals. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 2019, vol. 79, no. 12., Registrované v: WOS
4. [1.1] ABDUSSALAM, S.S. Testing Higgs boson scenarios in the phenomenological NMSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 25 2019, vol. 79, no. 5., Registrované v: WOS
5. [1.1] AGOSTINI, A. - DEGRASSI, G. - GROBER, R. - SLAVICH, P. NLO-QCD corrections to Higgs pair production in the MSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 106., Registrované v: WOS
6. [1.1] AHRICHE, Amine - FAISEL, Gaber - NASRI, Salah - TANDEAN, Jusak. Exploring high-mass diphoton resonance without new colored states. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 916, pp. 64-93., Registrované v: WOS
7. [1.1] AHRICHE, Amine - MCDONALD, Kristian L. - NASRI, Salah. Scalar sector phenomenology of three-loop radiative neutrino mass models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095020., Registrované v: WOS
8. [1.1] AL LILY, Abdulrahman Essa. A crowd-authoring project on the scholarship of educational technology. In INFORMATION DEVELOPMENT. ISSN 0266-6669, 2016, vol. 32, no. 5, pp. 1707-1717., Registrované v: WOS
9. [1.1] ALANNE, Tommi - BIZOT, Nicolas - CACCIAPAGLIA, Giacomo - SANNINO, Francesco. Classification of NLO operators for composite Higgs models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075028., Registrované v: WOS
10. [1.1] ALBARETI, Franco D. - MAROTO, Antonio L. - PRADA, Francisco. Gravitational perturbations of the Higgs field. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 4, art. no. 044030., Registrované v: WOS
11. [1.1] ALEKHIN, S. - BLUEMLEIN, J. - MOCH, S. - PLACAKYTE, R. Parton distribution functions, $\alpha(s)$, and heavy-quark masses for LHC Run II. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 014011., Registrované v: WOS
12. [1.1] ALLANACH, B. C. - VOIGT, A. Uncertainties in the lightest CP even Higgs boson mass prediction in the minimal supersymmetric standard model: fixed order versus effective field theory prediction. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 7, art. no. 573., Registrované v: WOS
13. [1.1] ALTENKAMP, Lukas - BOGGIA, Michele - DITTMAYER, Stefan. Precision calculations for $h \rightarrow WW/ZZ + 4$ fermions in a singlet extension

- of the Standard Model with PROPHECY4F. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 4, art. no. 062., Registrované v: WOS
14. [1.1] ALVES, Alexandre - ROSA AGOSTINHO, N. - EBOLI, Oscar J. P. - GONZALEZ-GARCIA, M. C. Effect of fermionic operators on the gauge legacy of the LHC Run I. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 013006., Registrované v: WOS
15. [1.1] ARGANDA, Ernesto - MARTIN-LOZANO, Victor - MEDINA, Anibal D. - MILEO, Nicolas I. Potential discovery of staus through heavy Higgs boson decays at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 056., Registrované v: WOS
16. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. - MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of heavy Higgs bosons decaying invisibly at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS
17. [1.1] ARGANDA, E. - GUASCH, J. - HOLLIK, W. - PENARANDA, S. Discriminating between SUSY and non-SUSY Higgs sectors through the ratio $H \rightarrow b\bar{b}/H \rightarrow \tau^+\tau^-$ with a 125 GeV Higgs boson. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 286., Registrované v: WOS
18. [1.1] ARGANDA, E. - HERRERO, M. J. - MARCANO, X. - WEILAND, C. Enhancement of the lepton flavor violating Higgs boson decay rates from SUSY loops in the inverse seesaw model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055010., Registrované v: WOS
19. [1.1] ARGANDA, E. - MARCANO, X. - MILEO, N.I. - MORALES, R.A. - SZYNKMAN, A. Model-independent search strategy for the lepton-flavor-violating heavy Higgs boson decay to $\tau\mu$ at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 2019, vol. 79, no. 9., Registrované v: WOS
20. [1.1] ARHRIB, A. - BENBRIK, R. - EL FALAKI, J. - HOLLIK, W. Triple Higgs coupling effect on $h(0) \rightarrow b\bar{b}$ and $h(0) \rightarrow \tau^+\tau^-$ in the 2HDM. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 774, pp. 195-204., Registrované v: WOS
21. [1.1] ARNAN, Pere - BECIREVIC, Damir - MESCIA, Federico - SUMENSARI, Olcyr. Two Higgs doublet models and $t\bar{t} \rightarrow t\bar{t} \gamma \gamma$ exclusive decays. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 11, pp., Registrované v: WOS
22. [1.1] ARROYO-URENA, M. A. - DIAZ-CRUZ, J. Lorenzo - DIAZ, Enrique - ORDUZ-DUCUARA, Javier A. Flavor violating Higgs signals in the Texturized Two-Higgs Doublet Model (THDM-Tx). In CHINESE PHYSICS C. ISSN 1674-1137, 2016, vol. 40, no. 12, art. no. 123103., Registrované v: WOS
23. [1.1] ATHRON, Peter - BACH, Markus - HARRIES, Dylan - KWASNITZA, Thomas - PARK, Jae-hyeon - STOECKINGER, Dominik - VOIGT, Alexander - ZIEBELL, Jobst. FlexibleSUSY 2.0: Extensions to investigate the phenomenology of SUSY and non-SUSY models. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 230, pp. 145-217., Registrované v: WOS
24. [1.1] ATHRON, Peter - CORNELL, Jonathan M. - KAHLHOEFER, Felix - MCKAY, James - SCOTT, Pat - WILD, Sebastian. Impact of vacuum stability, perturbativity and XENON1T on global fits of $Z(2)$ and $Z(3)$ scalar singlet dark matter. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044,

- 2018, vol. 78, no. 10, art. no. 830., Registrované v: WOS
25. [1.1] ATHRON, Peter - HARRIES, Dylan - NEVZOROV, Roman - WILLIAMS, Anthony G. E-6 inspired SUSY benchmarks, dark matter relic density and a 125 GeV Higgs. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 760, pp. 19-25., Registrované v: WOS
26. [1.1] ATHRON, P. - HARRIES, D. - NEVZOROV, R. - WILLIAMS, A. G. Dark matter in a constrained E-6 inspired SUSY model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 12, art. no. 128., Registrované v: WOS
27. [1.1] AZEVEDO, Duarte - FERREIRA, Pedro M. - MUHLLEITNER, M. Margarete - PATEL, Shruti - SANTOS, Rui - WITTBRODT, Jonas. CP in the dark. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 091., Registrované v: WOS
28. [1.1] AZEVEDO, D. - DUCH, M. - GRZADKOWSKI, B. - HUANG, D. - IGLICKI, M. - SANTOS, R. Testing scalar versus vector dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 9 2019, vol. 99, no. 1., Registrované v: WOS
29. [1.1] AZEVEDO, D. - FERREIRA, P. - MUHLLEITNER, M.M. - SANTOS, R. - WITTBRODT, J. Models with extended Higgs sectors at future $e(+)e(-)$ colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 12 2019, vol. 99, no. 5., Registrované v: WOS
30. [1.1] AZRI, H. Inducing gravity from connections and scalar fields. In CLASSICAL AND QUANTUM GRAVITY. ISSN 0264-9381, AUG 22 2019, vol. 36, no. 16., Registrované v: WOS
31. [1.1] BABU, K. S. - GOGOLADZE, Ilia - KHAN, S. Radiative electroweak symmetry breaking in standard model extensions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095013., Registrované v: WOS
32. [1.1] BABU, K. S. - KHAN, S. Minimal nonsupersymmetric SO(10) model: Gauge coupling unification, proton decay, and fermion masses. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 075018., Registrované v: WOS
33. [1.1] BABU, K. S. - PATRA, Ayon. Higgs boson spectra in supersymmetric left-right models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055030., Registrované v: WOS
34. [1.1] BADZIAK, Marcin - HARIGAYA, Keisuke. Minimal non-abelian supersymmetric Twin Higgs. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 10, art. no. 109., Registrované v: WOS
35. [1.1] BADZIAK, Marcin - HARIGAYA, Keisuke. Impact of an extra gauge interaction on naturalness of supersymmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 080., Registrované v: WOS
36. [1.1] BADZIAK, Marcin - OLECHOWSKI, Marek - SZCZERBIAK, Pawel. Is well-tempered neutralino in MSSM still alive after 2016 LUX results? In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 770, pp. 226-235., Registrované v: WOS
37. [1.1] BAER, Howard - BARGER, Vernon - NAGATA, Natsumi - MICHAEL, Savoy. Phenomenological profile of top squarks from natural supersymmetry at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055012., Registrované v: WOS

38. [1.1] BAER, Howard - BARGER, Vernon - SENGUPTA, Dibyashree - TATA, Xerxes. Is natural higgsino-only dark matter excluded? In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 10, art. no. 838., Registrované v: WOS
39. [1.1] BAER, Howard - BARGER, Vernon - GAINER, James S. - SENGUPTA, Dibyashree - SERCE, Hasan - TATA, Xerxes. LHC luminosity and energy upgrades confront natural supersymmetry models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075010., Registrované v: WOS
40. [1.1] BAE, Kyu Jung - BAER, Howard - NAGATA, Natsumi - SERCE, Hasan. Prospects for Higgs coupling measurements in SUSY with radiatively-driven naturalness. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 3, art. no. 035006., Registrované v: WOS
41. [1.1] BAE, Kyu Jung - BAER, Howard - NAGATA, Natsumi - SERCE, Hasan. Precision gaugino mass measurements as a probe of large trilinear soft terms at the ILC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035015., Registrované v: WOS
42. [1.1] BAGNASCHI, Emanuele - VEGA, Javier Pardo - SLAVICH, Pietro. Improved determination of the Higgs mass in the MSSM with heavy superpartners. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 5, art. no. 334., Registrované v: WOS
43. [1.1] BAGNASCHI, E. - BAHL, H. - FUCHS, E. - HAHN, T. - HEINEMEYER, S. - LIEBLER, S. - PATEL, S. - SLAVICH, P. - STEFANIAK, T. - WAGNER, C.E.M. - WEIGLEIN, G. MSSM Higgs boson searches at the LHC: benchmark scenarios for Run 2 and beyond. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 20 2019, vol. 79, no. 7., Registrované v: WOS
44. [1.1] BAGNASCHI, E. - BAHL, H. - ELLIS, J. - EVANS, J.L. - HAHN, T. - HEINEMEYER, S. - HOLLIK, W. - OLIVE, K.A. - PASSEHR, S. - RZEHA, H. - SOBOLEV, I.V. - WEIGLEIN, G. - ZHENG, J. Supersymmetric models in light of improved Higgs mass calculations. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 19 2019, vol. 79, no. 2., Registrované v: WOS
45. [1.1] BAGNASCHI, E. - BORSATO, M. - SAKURAI, K. - BUCHMUELLER, O. - CAVANAUGH, R. - CHOBANOVA, V. - CITRON, M. - COSTA, J. C. - DE ROECK, A. - DOLAN, M. J. - ELLIS, J. R. - FLAECHER, H. - HEINEMEYER, S. - ISIDORI, G. - LUCIO, M. - LUO, F. - MARTINEZ SANTOS, D. - OLIVE, K. A. - RICHARDS, A. - WEIGLEIN, G. Likelihood analysis of the minimal AMSB model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 4, art. no. 268., Registrované v: WOS
46. [1.1] BAGNASCHI, E. - COSTA, J. C. - SAKURAI, K. - BORSATO, M. - BUCHMUELLER, O. - CAVANAUGH, R. - CHOBANOVA, V. - CITRON, M. - DE ROECK, A. - DOLAN, M. J. - ELLIS, J. R. - FLACHER, H. - HEINEMEYER, S. - ISIDORI, G. - LUCIO, M. - MARTINEZ SANTOS, D. - OLIVE, K. A. - RICHARDS, A. - DE VRIES, K. J. - WEIGLEIN, G. Likelihood analysis of supersymmetric SU(5) GUTs. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 2, art. no. 104., Registrované v: WOS
47. [1.1] BAGNASCHI, E. - DEGRASSI, G. - PASSEHR, S. - SLAVICH, P. Full two-loop QCD corrections to the Higgs mass in the MSSM

with heavy superpartners. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS

48. [1.1] BAH, Henning - HEINEMEYER, Sven - HOLLIK, Wolfgang - WEIGLEIN, Georg. Reconciling EFT and hybrid calculations of the light MSSM Higgs-boson mass. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 1, art. no. 57., Registrované v: WOS

49. [1.1] BAH, Henning - HOLLIK, Wolfgang. Precise prediction of the MSSM Higgs boson masses for low M-A. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 182., Registrované v: WOS

50. [1.1] BAH, H. Pole mass determination in presence of heavy particles. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 19 2019, no. 2., Registrované v: WOS

51. [1.1] BAH, H. - LIEBLER, S. - STEFANIAK, T. MSSM Higgs benchmark scenarios for Run 2 and beyond: the low tan region. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS

52. [1.1] BAILAS, Gabriela - BLOSSIER, Benoit - MORENAS, Vincent. Some hadronic parameters of charmonia in N-f=2 lattice QCD. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 12, art. no. 1018., Registrované v: WOS

53. [1.1] BAJC, Borut - HISANO, Junji - KUWAHARA, Takumi - OMURA, Yuji. Threshold corrections to dimension-six proton decay operators in non-minimal SUSY SU(5) GUTs. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 910, pp. 1-22., Registrované v: WOS

54. [1.1] BALLESTEROS, Guillermo - REDONDO, Javier - RINGWALD, Andreas - TAMARIT, Carlos. Standard Model axion seesaw Higgs portal inflation. Five problems of particle physics and cosmology solved in one stroke. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2017, no. 8, art. no. 001., Registrované v: WOS

55. [1.1] BALLESTRERO, Alessandro - MAINA, Ezio - PELLICCIOLI, Giovanni. W boson polarization in vector boson scattering at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 170., Registrované v: WOS

56. [1.1] BANDYOPADHYAY, Priyotosh - COSTANTINI, Antonio - CORIANO, Claudio. General analysis of the charged Higgs sector of the Y=0 triplet-singlet extension of the MSSM at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055030., Registrované v: WOS

57. [1.1] BANDYOPADHYAY, Priyotosh - COSTANTINI, Antonio. Distinguishing charged Higgs bosons from different representations at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 1, art. no. 067., Registrované v: WOS

58. [1.1] BANERJEE, Ayan - VEST, Katherine E. - PAVLATH, Grace K. - CORBETT, Anita H. Nuclear poly(A) binding protein 1 (PABPN1) and Matrin3 interact in muscle cells and regulate RNA processing. In NUCLEIC ACIDS RESEARCH. ISSN 0305-1048, 2017, vol. 45, no. 18, pp. 10706-10725., Registrované v: WOS

59. [1.1] BANFI, Andrea - BOND, Andrew - MARTIN, Adam - SANZ, Veronica. Digging for top squarks from Higgs data: from signal strengths to differential distributions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 171., Registrované v: WOS

60. [1.1] BARGER, Vernon - EVERETT, Lisa L. - GARON, Todd S. Electroweak naturalness and deflected mirage mediation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075024., Registrované v: WOS
61. [1.1] BARMAN, Rahool Kumar - BELANGER, Genevieve - BHATTACHERJEE, Biplob - GODBOLE, Rohini - MENDIRATTA, Gaurav - SENGUPTA, Dipan. Invisible decay of the Higgs boson in the context of a thermal and nonthermal relic in MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095018., Registrované v: WOS
62. [1.1] BARMAN, R.K. - BHATTACHERJEE, B. - CHOUDHURY, A. - CHOWDHURY, D. - LAHIRI, J. - RAY, S. Current status of MSSM Higgs sector with LHC 13 TeV data. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, APR 2019, vol. 134, no. 4., Registrované v: WOS
63. [1.1] BARRETO, E. R. - DIAS, A. G. - LEITE, J. - NISHI, C. C. - OLIVEIRA, R. L. N. - VIEIRA, W. C. Hierarchical fermions and detectable Z' from effective two-Higgs-triplet 3-3-1 model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055047., Registrované v: WOS
64. [1.1] BASLER, Philipp - FERREIRA, Pedro M. - MUEHLLEITNER, Margarete - SANTOS, Rui. High scale impact in alignment and decoupling in two-Higgs-doublet models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095024., Registrované v: WOS
65. [1.1] BASLER, P. - DAWSON, S. - ENGLERT, C. - MUHLLEITNER, M. Showcasing HH production: Benchmarks for the LHC and HL-LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 29 2019, vol. 99, no. 5., Registrované v: WOS
66. [1.1] BASLER, P. - MEUHLEITNER, M. - WITTBRODT, J. The CP-violating 2HDM in light of a strong first order electroweak phase transition and implications for Higgs pair production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 061., Registrované v: WOS
67. [1.1] BAUM, Sebastian - CARENA, Marcela - SHAH, Nausheen R. - WAGNER, Carlos E. M. Higgs portals for thermal Dark Matter. EFT perspectives and the NMSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 4, art. no. 069., Registrované v: WOS
68. [1.1] BAUM, Sebastian - SHAH, Nausheen R. Two Higgs doublets and a complex singlet: disentangling the decay topologies and associated phenomenology. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 044., Registrované v: WOS
69. [1.1] BECIREVIC, Damir - MELIC, Blazanka - PATRA, Monalisa - SUMENSARI, Olcyr. Seeking a CP-odd Higgs boson via $h \rightarrow c, b, l, \tau$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 015008., Registrované v: WOS
70. [1.1] BELANGER, Genevieve - DA SILVA, Jonathan - HIEU MINH TRAN. Dark matter in U(1) extensions of the MSSM with gauge kinetic mixing. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115017., Registrované v: WOS
71. [1.1] BELOMYTTSEV, S. Ya. On the Masses of Quarks. In RUSSIAN PHYSICS JOURNAL. ISSN 1064-8887, 2018, vol. 60, no. 12, pp. 2243-2245., Registrované v: WOS
72. [1.1] BENEKE, M. - BHARUCHA, A. - DIGHERA, F. - HELLMANN, C. - HRYCZUK, A. - RECKSIEGEL, S. - RUIZ-FEMENIA, P.

Relic density of wino-like dark matter in the MSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, vol., no. 3, art. no. 119.,

Registrované v: WOS

73. [1.1] BENTIVEGNA, E. - BRANCHINA, V. - CONTINO, F. - ZAPPALA, D. Impact of new physics on the EW vacuum stability in a curved spacetime background. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 12, art. no. 100., Registrované v: WOS

74. [1.1] BERGE, S. - GROOTE, S. - KORNER, J. G. - KALDAMAE, L. Lepton-mass effects in the decays $H \rightarrow ZZ^* \rightarrow l^{(+)}l^{(-)}\tau^{(+)}\tau^{(-)}$ and $H \rightarrow WW^* \rightarrow l \nu \tau \nu(\tau)$. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 033001., Registrované v: WOS

75. [1.1] BERTOLINI, Stefano - DI LUZIO, Luca - KOLESOVA, Helena - MALINSKY, Michal - VASQUEZ, Juan Carlos. Neutrino-axion-dilaton interconnection. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 015009., Registrované v: WOS

76. [1.1] BHATTACHERJEE, Biplob - BYAKTI, Pritibhajan - KUSHWAHA, Ashwani - VEMPATI, Sudhir K. Unification with vector-like fermions and signals at LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 090., Registrované v: WOS

77. [1.1] BIEKOTTER, T. - HEINEMEYER, S. - MUNOZ, C. Precise prediction for the Higgs-boson masses in the $\mu \nu$ SSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 504., Registrované v: WOS

78. [1.1] BIEKOTTER, T. - HEINEMEYER, S. - MUNOZ, C. Precise prediction for the Higgs-Boson masses in the $\mu \nu$ SSM with three right-handed neutrino superfields. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 8 2019, vol. 79, no. 8., Registrované v: WOS

79. [1.1] BISHARA, Fady - CONTINO, Roberto - ROJO, Juan. Higgs pair production in vector-boson fusion at the LHC and beyond. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 7, art. no. 481., Registrované v: WOS

80. [1.1] BLANCO, C. - ESCUDERO, M. - HOOPER, D. - WITTE, S.J. Z' mediated WIMPs: dead, dying, or soon to be detected?. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, NOV 2019, no. 11., Registrované v: WOS

81. [1.1] BLINOV, Nikita - KOZACZUK, Jonathan - MORRISSEY, David E. - TAMARIT, Carlos. Electroweak baryogenesis from exotic electroweak symmetry breaking. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 035012., Registrované v: WOS

82. [1.1] BLOSSIER, Benoit - HEITGER, Jochen - POST, Matthias. Leptonic D-s decays in two-flavor lattice QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 054506., Registrované v: WOS

83. [1.1] BOJARSKI, F. - CHALONS, G. - LOPEZ-VAL, D. - ROBENS, T. Heavy to light Higgs boson decays at NLO in the singlet extension of the Standard Model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 2, art. no. 147., Registrované v: WOS

84. [1.1] BONETTI, Luca - DOS SANTOS FILHO, Luis R. - HELAYEL-NETO, Jose A. - SPALLICCI, Alessandro D. A. M. Photon sector analysis of Super and Lorentz symmetry breaking: effective photon mass, bi-refrindex and dissipation. In EUROPEAN PHYSICAL JOURNAL C. ISSN

- 1434-6044, 2018, vol. 78, no. 10, art. no. 811., Registrované v: WOS
85. [1.1] BONILLA, Cesar - ROMAO, Jorge C. - VALLE, Jose W. F. Electroweak breaking and neutrino mass: 'invisible' Higgs decays at the LHC (type II seesaw). In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2016, vol. 18, art. no. 033033., Registrované v: WOS
86. [1.1] BONILLA, Cesar - VALLE, Jose W. F. Naturally light neutrinos in Dirac model. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 762, pp. 162-165., Registrované v: WOS
87. [1.1] BOUCENNA, Sofiane M. - SHAFI, Qaisar. Axion inflation, proton decay, and leptogenesis in $SU(5) \times U(1)(PQ)$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075012., Registrované v: WOS
88. [1.1] BRADLEY, Sophie J. - WIEGMAN, Coen H. - IGLESIAS, Max Maza - KONG, Kok Choi - BUTCHER, Adrian J. - PLOUFFE, Bianca - GOUPIL, Eugenie - BOURGOGNON, Julie-Myrtille - MACEDO-HATCH, Timothy - LEGOUILL, Christian - RUSSELL, Kirsty - LAPORTE, Stephane A. - KOENIG, Gabriele M. - KOSTENIS, Evi - BOUVIER, Michel - CHUNG, Kian Fan - AMRANI, Yassine - TOBIN, Andrew B. Mapping physiological G protein-coupled receptor signaling pathways reveals a role for receptor phosphorylation in airway contraction. In PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. ISSN 0027-8424, 2016, vol. 113, no. 16, pp. 4524-4529., Registrované v: WOS
89. [1.1] BRANAHL, J. - HARZ, J. - HERRMANN, B. - KLASSEN, M. - KOVARIK, K. - SCHMIEMANN, S. SUSY QCD-corrected and Sommerfeld-enhanced stau annihilation into heavy quarks with scheme and scale uncertainties. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 3 2019, vol. 100, no. 11., Registrované v: WOS
90. [1.1] BRANCHINA, Vincenzo - MESSINA, Emanuele. Stability and UV completion of the Standard Model. In EPL. ISSN 0295-5075, 2017, vol. 117, no. 6, art. no. 61002., Registrované v: WOS
91. [1.1] BRANCHINA, Vincenzo - CONTINO, Filippo - PILAFTSIS, Apostolos. Protecting the stability of the electroweak vacuum from Planck-scale gravitational effects. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075001., Registrované v: WOS
92. [1.1] BRANCHINA, V. - BENTIVEGNA, E. - CONTINO, F. - ZAPPALA, D. Direct Higgs-gravity interaction and stability of our universe. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 31 2019, vol. 99, no. 9., Registrované v: WOS
93. [1.1] BRANCHINA, V. - CONTINO, F. - FERREIRA, P. M. Electroweak vacuum lifetime in two Higgs doublet models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 107., Registrované v: WOS
94. [1.1] BRIGNOLE, Andrea. The supersymmetric Higgs boson with flavoured A-terms. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 898, pp. 644-658., Registrované v: WOS
95. [1.1] BRIVIO, Ilaria - TROTT, Michael. Radiatively Generating the Higgs Potential and Electroweak Scale via the Seesaw Mechanism. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 14, art. no. 141801., Registrované v: WOS
96. [1.1] BRIVIO, I. - CORBETT, T. - TROTT, M. The Higgs width in

- the SMEFT. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 7 2019, no. 10., Registrované v: WOS
97. [1.1] BRIVIO, I. - GONZALEZ-FRAILE, J. - GONZALEZ-GARCIA, M. C. - MERLO, L. The complete HEFT Lagrangian after the LHC Run I. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 7, art. no. 416., Registrované v: WOS
98. [1.1] BROWER, R.C. - HASENFRATZ, A. - NEIL, E.T. - CATTERALL, S. - FLEMING, G. - GIEDT, J. - RINALDI, E. - SCHAICH, D. - WEINBERG, E. - WITZEL, O. Lattice gauge theory for physics beyond the Standard Model. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, NOV 2019, vol. 55, no. 11., Registrované v: WOS
99. [1.1] BUCKLEY, Matthew R. - GONCALVES, Dorival. Boosting the Direct CP Measurement of the Higgs-Top Coupling. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 9, art. no. 091801., Registrované v: WOS
100. [1.1] BUTTER, Anja - MURGIA, Simona - PLEHN, Tilman - TAIT, Tim M. P. Harmonizing the MSSM with the Galactic Center excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035036., Registrované v: WOS
101. [1.1] BUYUKDAG, Y. - GHERGHETTA, T. - MILLER, A.S. Partially composite supersymmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 28 2019, vol. 99, no. 3., Registrované v: WOS
102. [1.1] CABALLERO, Marcos D. - MERNER, Laura. Prevalence and nature of computational instruction in undergraduate physics programs across the United States. In PHYSICAL REVIEW PHYSICS EDUCATION RESEARCH. ISSN 2469-9896, 2018, vol. 14, no. 2, art. no. 020129., Registrované v: WOS
103. [1.1] CACCIAPAGLIA, G. - CAI, H.Y. - DEANDREA, A. - KUSHWAHA, A. Composite Higgs and Dark Matter model in SU(6)/SO(6). In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 4 2019, no. 10., Registrované v: WOS
104. [1.1] CACCIARI, Matteo - DREYER, Frederic A. - KARLBERG, Alexander - SALAM, Gavin P. - ZANDERIGHI, Giulia. Fully Differential Vector-Boson-Fusion Higgs Production at Next-to-Next-to-Leading Order. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 8, art. no. 082002., Registrované v: WOS
105. [1.1] CAI, Chengfeng - YU, Zhao-Huan - ZHANG, Hong-Hao. CEPC precision of electroweak oblique parameters and weakly interacting dark matter: The fermionic case. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 921, pp. 181-210., Registrované v: WOS
106. [1.1] CAI, Yong - DEEN, Rehan - OVRUT, Burt A. - PURVES, Austin. Perturbative reheating in Sneutrino-Higgs cosmology. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 001., Registrované v: WOS
107. [1.1] CAKIR, M.P. - ACARTURK, C. - ALKAN, S. - AKBULUT, U. Multi-authoring and its impact on university rankings: a case study of CERN effect on Turkish universities. In STUDIES IN HIGHER EDUCATION. ISSN 0307-5079, JUN 3 2019, vol. 44, no. 6, p. 1052-1068., Registrované v: WOS
108. [1.1] CAMPBELL, Robyn - GODFREY, Stephen - LOGAN, Heather E. - PETERSON, Andrea D. - POULIN, Alexandre. Implications of the observation of dark matter self-interactions for singlet scalar dark matter. In

- PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 055031., Registrované v: WOS
109. [1.1] CAO, J.J. - HE, Y.L. - SHANG, L.L. - ZHANG, Y. - ZHU, P.X. Current status of a natural NMSSM in light of LHC 13 TeV data and XENON-1T results. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 15 2019, vol. 99, no. 7., Registrované v: WOS
110. [1.1] CARSON, Jason - OKADA, Nobuchika. 125 GeV Higgs boson mass from 5D gauge-Higgs unification. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2018, no. 3, art. no. 033B03., Registrované v: WOS
111. [1.1] CERNA-VELAZCO, Nhell - FABER, Thomas - JONES-PEREZ, Joel - POROD, Werner. Constraining sleptons at the LHC in a supersymmetric low-scale seesaw scenario. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 10, art. no. 661., Registrované v: WOS
112. [1.1] CICI, Ali - KIRCA, Zerrin - UN, Cem Salih. Light stops and fine-tuning in MSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 1, art. no. 60., Registrované v: WOS
113. [1.1] CIERI, L. - CORADESCHI, F. - DE FLORIAN, D. - FIDANZA, N. Transverse-momentum resummation for the signal- background interference in the $H \rightarrow \gamma \gamma$ channel at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 054003., Registrované v: WOS
114. [1.1] CIRIGLIANO, V. - DAVOUDI, Z. - BHATTACHARYA, T. - IZUBUCHI, T. - SHANAHAN, P.E. - SYRITSYN, S. - WAGMAN, M.L. The role of Lattice QCD in searches for violations of fundamental symmetries and signals for new physics. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, NOV 2019, vol. 55, no. 11., Registrované v: WOS
115. [1.1] CLINE, James M. - ESPINOSA, Jose R. Axionic landscape for Higgs coupling near-criticality. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 035025., Registrované v: WOS
116. [1.1] COLEPPA, Baradhwaj - KUMAR, Mukesh - KUMAR, Satendra - MELLADO, Bruce. Measuring CP nature of top-Higgs couplings at the future Large Hadron electron Collider. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 770, pp. 335-341., Registrované v: WOS
117. [1.1] COLEPPA, Baradhwaj - FUKS, Benjamin - POULOSE, P. - SAHOO, Shibananda. Seeking heavy Higgs bosons through cascade decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075007., Registrované v: WOS
118. [1.1] CORBETT, Tyler - EBOLI, O. J. P. - GONZALEZ-GARCIA, M. C. Unitarity constraints on dimension-six operators. II. Including fermionic operators. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035006., Registrované v: WOS
119. [1.1] COSTANTINI, A. Extended Higgs sector at the LHC. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2018, vol. 41, no. 1-2, art. no. 9., Registrované v: WOS
120. [1.1] COSTA, Raul - MUHLLEITNER, Margarete - SAMPAIO, Marco O. P. - SANTOS, Rui. Singlet extensions of the standard model at LHC Run 2: benchmarks and comparison with the NMSSM. In JOURNAL OF HIGH

ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art. no. 034., Registrované v: WOS

121. [1.1] CROPLEY, Arthur. The Specter of Scholarship Without Novel Ideas: Replication, Hyperauthorship and the Danger of Stagnation. In PSYCHOLOGY OF AESTHETICS CREATIVITY AND THE ARTS. ISSN 1931-3896, 2017, vol. 11, no. 1, pp. 69-76., Registrované v: WOS

122. [1.1] CRUZ-MARTINEZ, J. - GEHRMANN, T. - GLOVER, E. W. N. - HUSS, A. Second-order QCD effects in Higgs boson production through vector boson fusion. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 781, pp. 672-677., Registrované v: WOS

123. [1.1] CULLEN, J.M. - PECJAK, B.D. - SCOTT, D.J. NLO corrections to $h \rightarrow b(b)\text{-over-bar}$ decay in SMEFT. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 29 2019, no. 8., Registrované v: WOS

124. [1.1] CUOCO, Alessandro - EITENEUER, Benedikt - HEISIG, Jan - KRAEMER, Michael. A global fit of the gamma-ray galactic center excess within the scalar singlet Higgs portal model. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2016, no. 6, art. no. 050., Registrované v: WOS

125. [1.1] DANILA, Bogdan - HARKO, Tiberiu - MAK, Man Kwong - PANTARAGPHONG, Praiboon - SABAU, Sorin V. Jacobi Stability Analysis of Scalar Field Models with Minimal Coupling to Gravity in a Cosmological Background. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 7521464., Registrované v: WOS

126. [1.1] DANILA, Bogdan - HARKO, Tiberiu - LOBO, Francisco S. N. - MAK, M. K. Hybrid metric-Palatini stars. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 4, art. no. 044031., Registrované v: WOS

127. [1.1] DANILA, B. - HARKO, T. - LOBO, F.S.N. - MAK, M.K. Spherically symmetric static vacuum solutions in hybrid metric-Palatini gravity. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 19 2019, vol. 99, no. 6., Registrované v: WOS

128. [1.1] DARTORA, C.A. The breaking of the $SO(p, q)$ symmetry group to $SO(p, q - n) \times O(n)$ subjected to boundary conditions and its physical consequences for a gauge field theory. In EPL. ISSN 0295-5075, FEB 2019, vol. 125, no. 3., Registrované v: WOS

129. [1.1] DARVISHI, Neda - KRAWCZYK, Maria. Implication of quadratic divergences cancellation in the two Higgs doublet model. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 926, pp. 167-178., Registrované v: WOS

130. [1.1] DAS, Biswaranjan - MORETTI, Stefano - MUNIR, Shoaib - POULOSE, Poulouse. Quantum interference among heavy NMSSM Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 055020., Registrované v: WOS

131. [1.1] DAS, D. Dominant production of heavier Higgs bosons through vector boson fusion in the NMSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 24 2019, vol. 99, no. 9., Registrované v: WOS

132. [1.1] DAWSON, S. - ENGLERT, C. - PLEHN, T. Higgs physics: It ain't over till it is over. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, JUL 3 2019, vol. 816, p. 1-85., Registrované v: WOS

133. [1.1] DE BLAS, Jorge - EBERHARDT, Otto - KRAUSE, Claudius. Current and future constraints on Higgs couplings in the nonlinear Effective Theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 048., Registrované v: WOS
134. [1.1] DE BLAS, J. - CHALA, M. - SANTIAGO, J. Renormalization group constraints on new top interactions from electroweak precision data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, vol., no. 9, art. no. 189., Registrované v: WOS
135. [1.1] DE MARTINI, Francesco. The quantum Higgs field and the resolution of the cosmological constant paradox in the Weyl-geometrical Universe. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2017, vol. 15, no. 8, art. no. 1740025., Registrované v: WOS
136. [1.1] DE MARTINI, Francesco. The Higgs field and the resolution of the Cosmological Constant Paradox in the Weyl-geometrical Universe. In PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-503X, 2017, vol. 375, no. 2106, art. no. 20160388., Registrované v: WOS
137. [1.1] DE MARTINI, Francesco. Inflation, the Higgs field and the resolution of the Cosmological Constant Paradox. In 8TH INTERNATIONAL WORKSHOP DICE2016: SPACETIME MATTER QUANTUM MECHANICS. ISSN 1742-6588, 2017, vol. 880, art. no. 012026., Registrované v: WOS
138. [1.1] DE MESNARD, Louis. Attributing credit to coauthors in academic publishing: The 1/n rule, parallelization, and team bonuses. In EUROPEAN JOURNAL OF OPERATIONAL RESEARCH. ISSN 0377-2217, 2017, vol. 260, no. 2, pp. 778-788., Registrované v: WOS
139. [1.1] DE MONCHENAULT, Gautier Hamel. Electroweak Measurements at the LHC. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 67. ISSN 0163-8998, 2017, vol. 67, pp. 19-44., Registrované v: WOS
140. [1.1] DE ROMERI, Valentina - PATEL, Ketan M. - VALLE, Jose W. F. Inverse seesaw mechanism with compact supersymmetry: Enhanced naturalness and light superpartners. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075014., Registrované v: WOS
141. [1.1] DEGRANDE, Celine - HARTLING, Katy - LOGAN, Heather E. - PETERSON, Andrea D. - ZARO, Marco. Automatic predictions in the Georgi-Machacek model at next-to-leading order accuracy. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 035004., Registrované v: WOS
142. [1.1] DELAUNAY, Cedric - OZERI, Roee - PEREZ, Gilad - SOREQ, Yotam. Probing atomic Higgs-like forces at the precision frontier. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 093001., Registrované v: WOS
143. [1.1] DELEPINE, D. - NOVALES-SANCHEZ, H. Interplay between neutrino magnetic moments and CP violating phases in left-right models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095016., Registrované v: WOS
144. [1.1] DEMIR, Durmus - KARAHAN, Canan - KORUTLU, Beste - SARGIN, Ozan. Hidden spin-3/2 field in the standard model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 593., Registrované v: WOS

145. [1.1] DEMIR, D. Symmergent Gravity, Seesaw New Physics, and Their Experimental Signatures. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, AUG 22 2019, vol. 2019., Registrované v: WOS
146. [1.1] DERCKS, Daniel - DESAI, Nishita - KIM, Jong Soo - ROLBIECKI, Krzysztof - TATTERSALL, Jamie - WEBER, Torsten. CheckMATE 2: From the model to the limit. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2017, vol. 221, no., pp. 383-418., Registrované v: WOS
147. [1.1] DERCKS, Daniel - DREINER, Herbi - KRAUSS, Manuel E. - OPFERKUCH, Toby - REINERT, Annika. R-parity violation at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 856., Registrované v: WOS
148. [1.1] DERCKS, D. - ROBENS, T. Constraining the Inert Doublet Model using Vector Boson Fusion. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
149. [1.1] DEUTSCHMANN, N. - MALTONI, F. - WIESEMANN, M. - ZARO, M. Top-Yukawa contributions to bbH production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 10 2019, no. 7., Registrované v: WOS
150. [1.1] DEV, P. S. Bhupal. TeV-Scale Leptogenesis. In XXI DAE-BRNS HIGH ENERGY PHYSICS SYMPOSIUM. ISSN 0930-8989, 2016, vol. 174, pp. 245-253., Registrované v: WOS
151. [1.1] DI VITA, Stefano - GERMANI, Cristiano. Electroweak vacuum stability and inflation via nonminimal derivative couplings to gravity. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 4, art. no. 045005., Registrované v: WOS
152. [1.1] DIESSNER, Philip - KALINOWSKI, Jan - KOTLARSKI, Wojciech - STOECKINGER, Dominik. Two-Loop Correction to the Higgs Boson Mass in the MRSSM. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 760729., Registrované v: WOS
153. [1.1] DIESSNER, P. - WEIGLEIN, G. Precise prediction for the W boson mass in the MRSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 3 2019, no. 7., Registrované v: WOS
154. [1.1] DING, Ran - HAN, Zhi-Long - HUANG, Li - LIAO, Yi. Phenomenology of colored radiative neutrino mass model and its implications on cosmic-ray observations. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 10, art. no. 103101., Registrované v: WOS
155. [1.1] DOMCKE, Valerie - SCHMITZ, Kai. Inflation from high-scale supersymmetry breaking. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115025., Registrované v: WOS
156. [1.1] DOMINGO, Florian - HEINEMEYER, Sven - PASSEHR, Sebastian - WEIGLEIN, Georg. Decays of the neutral Higgs bosons into SM fermions and gauge bosons in the CP-violating NMSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 11, art. no. 942., Registrované v: WOS
157. [1.1] DOMINGO, F. - PASSEHR, S. Electroweak corrections to the fermionic decays of heavy Higgs states. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
158. [1.1] DREES, Manuel - HAJKARIM, Fazlollah. Neutralino dark matter in scenarios with early matter domination. In JOURNAL OF HIGH

ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 042., Registrované v: WOS

159. [1.1] DREES, Manuel - KIM, Jong Soo. Minimal natural supersymmetry after the LHC8. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 095005., Registrované v: WOS

160. [1.1] DRECHSEL, P. - GALETA, L. - HEINEMEYER, S. - WEIGLEIN, G. Precise predictions for the Higgs-boson masses in the NMSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 1, art. no. 42., Registrované v: WOS

161. [1.1] DREYER, Frederic A. - KARLBERG, Alexander. Vector-Boson Fusion Higgs Production at Three Loops in QCD. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 117, no. 7, art. no. 072001., Registrované v: WOS

162. [1.1] DUBININ, M. N. - PETROVA, E. Yu. - POZDEEVA, E. O. - SUMIN, M. V. - VERNOV, S. Yu. MSSM-inspired multifield inflation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 12, art. no. 036., Registrované v: WOS

163. [1.1] DUBININ, M. N. - PETROVA, E. Yu. Radiative corrections to Higgs boson masses for the MSSM Higgs potential with dimension-six operators. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055021., Registrované v: WOS

164. [1.1] DUDAS, Emilian - GHERGHETTA, Tony - MAMBRINI, Yann - OLIVE, Keith A. Inflation and high-scale supersymmetry with an EeV gravitino. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 115032., Registrované v: WOS

165. [1.1] EAST, William E. - KEARNEY, John - SHAKYA, Bibhushan - YOO, Hojin - ZUREK, Kathryn M. Spacetime dynamics of a Higgs vacuum instability during inflation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 2, art. no. 023526., Registrované v: WOS

166. [1.1] EBERL, H. - HIDAKA, K. - GININA, E. Correlation between the decays $h(0) \rightarrow \gamma\gamma$ in the MSSM with quark flavor violation. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, AUG 10 2019, vol. 34, no. 22., Registrované v: WOS

167. [1.1] EICHHORN, Astrid - HELD, Aaron. Top mass from asymptotic safety. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 777, pp. 217-221., Registrované v: WOS

168. [1.1] EITENEUER, Benedikt - GOUDELIS, Andreas - HEISIG, Jan. The inert doublet model in the light of Fermi-LAT gamma-ray data: a global fit analysis. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 624., Registrované v: WOS

169. [1.1] EJLLI, D. Beyond the Standard Model with sum rules. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, AUG 10 2019, vol. 34, no. 22., Registrované v: WOS

170. [1.1] ELLIS, John - EVANS, Jason L. - MUSTAFAYEV, Azar - NAGATA, Natsumi - OLIVE, Keith A. The super-GUT CMSSM revisited. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 11, art. no. 592., Registrované v: WOS

171. [1.1] ELLIS, John - EVANS, Jason L. - LUO, Feng - NAGATA, Natsumi - OLIVE, Keith A. - SANDICK, Pearl. Beyond the CMSSM without an accelerator: proton decay and direct dark matter detection. In EUROPEAN

PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 1, art. no. 8.,
 Registrované v: WOS

172. [1.1] ELLIS, John - EVANS, Jason L. - LUO, Feng - OLIVE, Keith A. - ZHENG, Jiaming. Stop coannihilation in the CMSSM and SubGUT models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 5, art. no. 425., Registrované v: WOS

173. [1.1] ELLIS, John - GARCIA, Marcos A. G. - NANOPOULOS, Dimitri V. - OLIVE, Keith A. No-scale inflation. In CLASSICAL AND QUANTUM GRAVITY. ISSN 0264-9381, 2016, vol. 33, no. 9, art. no. 094001., Registrované v: WOS

174. [1.1] ELLIS, John - OLIVE, Keith A. - VELASCO-SEVILLA, L. Maximal sfermion flavour violation in super-GUTs. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 10, art. no. 562., Registrované v: WOS

175. [1.1] ELLIS, John. No-scale supergravity inflation: A bridge between string theory and particle physics? In INTERNATIONAL JOURNAL OF MODERN PHYSICS D. ISSN 0218-2718, 2016, vol. 25, no. 14, art. no. 1630027., Registrované v: WOS

176. [1.1] ELLIS, John. Particle physics today, tomorrow and beyond. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 2, art. no. 1830003., Registrované v: WOS

177. [1.1] ELLIS, John. Prospects for Future Collider Physics. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 33, art. no. 1644002., Registrované v: WOS

178. [1.1] ELLIS, John. Time to move on? In INTERNATIONAL JOURNAL OF MODERN PHYSICS D. ISSN 0218-2718, 2016, vol. 25, no. 13, art. no. 1645014., Registrované v: WOS

179. [1.1] ELLIS, John. Where is particle physics going? In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 34, art. no. 1746001., Registrované v: WOS

180. [1.1] ENBERG, Rikard - KLEMM, William - MORETTI, Stefano - MUNIR, Shoaib. Electroweak production of light scalar-pseudoscalar pairs from extended Higgs sectors. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 764, pp. 121-125., Registrované v: WOS

181. [1.1] ENCKELL, Vera-Maria - ENQVIST, Kari - RASANEN, Syksy - TOMBERG, Eemeli. Higgs inflation at the hilltop. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 6, art. no. 005., Registrované v: WOS

182. [1.1] ERDMANN, M. - FISCHER, B. - RIEGER, M. Jet-parton assignment in $t(t)\text{over-bar}H$ events using deep learning. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2017, vol. 12, art. no. P08020., Registrované v: WOS

183. [1.1] ESPINOSA, Jose R. - FORTIN, Jean-Francois - TREPANIER, Maxime. Consistency of scalar potentials from quantum de Sitter space. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 12, art. no. 124067., Registrované v: WOS

184. [1.1] ESPINOSA, J. R. Cosmological implications of Higgs near-criticality. In PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-503X, 2018, vol. 376, no. 2114, art. no. 20170118.,

Registrované v: WOS

185. [1.1] ESPINOSA, J. R. - GARNY, M. - KONSTANDIN, T. Interplay of infrared divergences and gauge dependence of the effective potential. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055026., Registrované v: WOS

186. [1.1] ESPINOSA, J. R. - GARNY, M. - KONSTANDIN, T. - RIOTTO, A. Gauge-independent scales related to the standard model vacuum instability. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 056004., Registrované v: WOS

187. [1.1] ESPINOSA, J. R. - RACCO, D. - RIOTTO, A. A cosmological signature of the SM Higgs instability: gravitational waves. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 9, art. no. 012., Registrované v: WOS

188. [1.1] EVANS, Jason L. - KADOTA, Kenji - KUWAHARA, Takumi. Revisiting flavor and CP violation in supersymmetric SU(5) with right-handed neutrinos. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075030., Registrované v: WOS

189. [1.1] EVERETT, Lisa L. - GARON, Todd - KAUFMAN, Bryan L. - NELSON, Brent D. Mirage models confront the LHC. III. Deflected mirage mediation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055031., Registrované v: WOS

190. [1.1] FAH, Daniel - GREINER, Nicolas. Diphoton production in association with two bottom jets. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 11, art. no. 750., Registrované v: WOS

191. [1.1] FERREIRA, Pedro M. - LIEBLER, Stefan - WITTBRODT, Jonas. $pp \rightarrow A \rightarrow Zh$ and the wrong-sign limit of the two-Higgs-doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055008., Registrované v: WOS

192. [1.1] FERREIRA, P. M. - SWIEZEWSKA, Bogumila. One-loop contributions to neutral minima in the inert doublet model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 099., Registrované v: WOS

193. [1.1] FISCHER, Oliver. Clues on the Majorana scale from scalar resonances at the LHC. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2017, vol. 32, no. 6, art. no. 1750035., Registrované v: WOS

194. [1.1] FORTE, S. - LEVY, A. - RIDOLFI, G. From My Vast Repertoire ... Guido Altarelli's Legacy Preface. In FROM MY VAST REPERTOIRE ... : GUIDO ALTARELLI'S LEGACY. 2019, p. V-+., Registrované v: WOS

195. [1.1] FUCHS, Elina - WEIGLEIN, Georg. Impact of CP-violating interference effects on MSSM Higgs searches. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 2, art. no. 87., Registrované v: WOS

196. [1.1] FUKUDA, Hajime - MURAYAMA, Hitoshi - YANAGIDA, Tsutomu T. - YOKOZAKI, Norimi. Seminatural gauge mediation from product group unification. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 5, art. no. 055032., Registrované v: WOS

197. [1.1] FUKUYAMA, Takeshi - ICHIKAWA, Koji - MIMURA, Yukihiro. Revisiting fermion mass and mixing fits in the minimal SUSY SO(10) GUT model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7,

art. no. 075018., Registrované v: WOS

198. [1.1] FUKUYAMA, Takeshi - OKADA, Nobuchika - HIEU MINH TRAN. Sparticle spectroscopy of the minimal SO(10) model. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 767, pp. 295-302., Registrované v: WOS

199. [1.1] FUKUYAMA, Takeshi - OKADA, Nobuchika. Alternative renormalizable minimal SO(10) GUT and seesaw scale. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2018, vol. 33, no. 29, art. no. 1850167., Registrované v: WOS

200. [1.1] GABELMANN, M. - MUHLLEITNER, M.M. - STAUB, F. Singlet extended standard model in the context of split supersymmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 22 2019, vol. 100, no. 7., Registrované v: WOS

201. [1.1] GABELMANN, M. - MUHLLEITNER, M.M. - STAUB, F. Automatised matching between two scalar sectors at the one-loop level. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 22 2019, vol. 79, no. 2., Registrované v: WOS

202. [1.1] GHOSH, A. - MONDAL, T. - MUKHOPADHYAYA, B. Right sneutrino with $\Delta L=2$ masses as nonthermal dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 15 2019, vol. 99, no. 3., Registrované v: WOS

203. [1.1] GIES, Holger - SONDENHEIMER, Rene - WARSCHINKE, Matthias. Impact of generalized Yukawa interactions on the lower Higgs-mass bound. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 11, art. no. 743., Registrované v: WOS

204. [1.1] GONG, Jinn-Ouk - KITAJIMA, Naoya. Cosmological stochastic Higgs field stabilization. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 6, art. no. 063521., Registrované v: WOS

205. [1.1] GONZALEZ FELIPE, R. - SERODIO, H. Maximally restrictive leptonic texture zeros in two-Higgs-doublet models. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 6, art. no. 065002., Registrované v: WOS

206. [1.1] GOODSSELL, Mark D. - NICKEL, Kilian - STAUB, Florian. The Higgs mass in the MSSM at two-loop order beyond minimal flavour violation. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 758, pp. 18-25., Registrované v: WOS

207. [1.1] GOPALAKRISHNA, Shrihari - MUKHERJEE, Tuhin Subhra - SADHUKHAN, Soumya. Status and prospects of the two-Higgs-doublet SU(6)/Sp(6) little-Higgs model and the alignment limit. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015034., Registrované v: WOS

208. [1.1] GOTO, Toru - KITANO, Ryuichiro - MORI, Shingo. Lepton flavor violating Z-boson couplings from nonstandard Higgs interactions. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 075021., Registrované v: WOS

209. [1.1] GREENBERG, Arthur. Patterns in Authorship: Lessons in Diversity and Justice. In CREDIT WHERE CREDIT IS DUE: RESPECTING AUTHORSHIP AND INTELLECTUAL PROPERTY. ISSN 0097-6156, 2018, vol. 1291, pp. 163-174., Registrované v: WOS

210. [1.1] GRIGO, Jonathan - HOFF, Jens - STEINHAUSER, Matthias. Higgs boson pair production: Top quark mass effects at NLO and NNLO. In

- NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 900, pp. 412-430.,
Registrované v: WOS
211. [1.1] GRINSTEIN, Benjamin - MURPHY, Christopher W. -
UTTAYARAT, Patipan. One-loop corrections to the perturbative unitarity
bounds in the CP-conserving two-Higgs doublet model with a softly broken $Z(2)$
symmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479,
2016, vol., no. 6, art. no. 070., Registrované v: WOS
212. [1.1] GROBER, R. - MUEHLEITNER, M. - SPIRA, M. Higgs pair
production at NLO QCD for CP-violating Higgs sectors. In NUCLEAR
PHYSICS B. ISSN 0550-3213, 2017, vol. 925, pp. 1-27., Registrované v: WOS
213. [1.1] GUENDELMAN, Eduardo I. - NISHINO, Hitoshi - RAJPOOT,
Subhash. Two-measure approach to breaking scale-invariance in a
standard-model extension. In PHYSICS LETTERS B. ISSN 0370-2693, 2017,
vol. 765, pp. 251-255., Registrované v: WOS
214. [1.1] GUO, Shu-Yuan - HAN, Zhi-Long - LIAO, Yi. Testing the type
II radiative seesaw model: From dark matter detection to LHC signatures. In
PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no.
115014., Registrované v: WOS
215. [1.1] HABA, Naoyuki - OKADA, Nobuchika - YAMADA,
Toshifumi. Proton decay prediction from a gauge-Higgs unification scenario in
five dimensions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no.
7, art. no. 071701., Registrované v: WOS
216. [1.1] HABA, Naoyuki - YAMADA, Toshifumi. Multiple-point
principle realized with strong dynamics. In PHYSICAL REVIEW D. ISSN
2470-0010, 2017, vol. 95, no. 11, art. no. 115015., Registrované v: WOS
217. [1.1] HABER, Howard E. - STAL, Oscar. New LHC benchmarks for
the CP-conserving two-Higgs-doublet model. In EUROPEAN PHYSICAL
JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 10, art. no. 491., Registrované
v: WOS
218. [1.1] HALL, Susanne - MOSKOVITZ, Cary - PEMBERTON,
Michael A. Attitudes toward text recycling in academic writing across
disciplines. In ACCOUNTABILITY IN RESEARCH-POLICIES AND
QUALITY ASSURANCE. ISSN 0898-9621, 2018, vol. 25, no. 3, pp. 142-169.,
Registrované v: WOS
219. [1.1] HAMADA, Yuta - KAWAI, Hikaru - NAKANISHI, Yukari -
ODA, Kin-ya. Meaning of the field dependence of the renormalization scale in
Higgs inflation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no.
10, art. no. 103524., Registrované v: WOS
220. [1.1] HAMADA, Yuta - KAWANA, Kiyoharu. Vanishing Higgs
potential in minimal dark matter models. In PHYSICS LETTERS B. ISSN
0370-2693, 2015, vol. 751, pp. 164-170., Registrované v: WOS
221. [1.1] HAN, C.C. - PI, S. - SASAKI, M. Quintessence saves Higgs
instability. In PHYSICS LETTERS B. ISSN 0370-2693, APR 10 2019, vol. 791,
p. 314-318., Registrované v: WOS
222. [1.1] HARKO, Tiberiu - LOBO, Francisco S. N. - SARIDAKIS,
Emmanuel N. - TSOUKALAS, Minas. Cosmological models in modified gravity
theories with extended nonminimal derivative couplings. In PHYSICAL
REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 4, art. no. 044019.,
Registrované v: WOS
223. [1.1] HARLANDER, Robert V. - KLAPPERT, Jonas - VOIGT,

- Alexander. Higgs mass prediction in the MSSM at three-loop level in a pure DR context. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 814., Registrované v: WOS
224. [1.1] HARLANDER, Robert V. - KLAPPERT, Jonas - LIEBLER, Stefan - SIMON, Lukas. vh@nnlo-v2 : new physics in Higgs Strahlung. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 089., Registrované v: WOS
225. [1.1] HARZ, J. - HERRMANN, B. - KLASSEN, M. - KOVARIK, K. - STEPPELER, P. Theoretical uncertainty of the supersymmetric dark matter relic density from scheme and scale variations. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 114023., Registrované v: WOS
226. [1.1] HASHEMI, Majid - NAJJARI, Saereh. Observability of inert scalars at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 592., Registrované v: WOS
227. [1.1] HAUGEN, K.K. - OLSEN, K.A. Could requiring a presentation of the paper and adding a formalized contributor list solve academia's credibility problem?. In SCIENTOMETRICS. ISSN 0138-9130, NOV 2019, vol. 121, no. 2, p. 1229-1233., Registrované v: WOS
228. [1.1] HEINEMEYER, Sven - MONDRAGON, Myriam - PATELLIS, Gregory - TRACAS, Nicholas - ZOUPANOS, George. The LHC Higgs Boson Discovery: Updated Implications for Finite Unified Theories and the SUSY Breaking Scale. In SYMMETRY-BASEL. ISSN 2073-8994, 2018, vol. 10, no. 3, art. no. 62., Registrované v: WOS
229. [1.1] HEINEMEYER, S. - MONDRAGON, M. - TRACAS, N. - ZOUPANOS, G. Reduction of the parameters in MSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 150., Registrované v: WOS
230. [1.1] HEINEMEYER, S. - MONDRAGON, M. - TRACAS, N. - ZOUPANOS, G. Reduction of couplings and its application in particle physics. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, JUN 20 2019, vol. 814, p. 1-43., Registrované v: WOS
231. [1.1] HEINEMEYER, S. - SCHAPPACHER, C. Charged Higgs Boson production at colliders in the complex MSSM: a full one-loop analysis. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 10, art. no. 535., Registrované v: WOS
232. [1.1] HEINEMEYER, S. - SCHAPPACHER, C. Neutral Higgs boson production at $e^{+}e^{-}$ colliders in the complex MSSM: a full one-loop analysis. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, art. no. 220., Registrované v: WOS
233. [1.1] HEKTOR, A. - HRYCZUK, A. - KANNIKE, K. Improved bounds on $Z(3)$ singlet dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 29 2019, no. 3., Registrované v: WOS
234. [1.1] HELMBOLDT, Alexander J. - LINDNER, Manfred. Prospects for three-body Higgs boson decays into extra light scalars. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055008., Registrované v: WOS
235. [1.1] HERTZBERG, M.P. - JAIN, M. Counting of states in Higgs theories. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 27 2019, vol. 99, no. 6., Registrované v: WOS
236. [1.1] HESSENBERGER, Stephan - HOLLIK, Wolfgang. Two-loop

- corrections to the rho parameter in Two-Higgs-Doublet models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 3, art. no. 178., Registrované v: WOS
237. [1.1] HIGAKI, Tetsutaro - NISHIDA, Michinobu - TAKEDA, Naoyuki. Flavor structure, Higgs boson mass, and dark matter in a supersymmetric model with vector-like generations. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2017, no. 8, art. no. 083B04., Registrované v: WOS
238. [1.1] HISANO, Junji - KURAMOTO, Wataru - KUWAHARA, Takumi. Light stops, heavy Higgs, and heavy gluinos in supersymmetric standard models with extra matters. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2017, no. 3, art. no. 033B10., Registrované v: WOS
239. [1.1] HISANO, Junji - NAGATA, Natsumi - OMURA, Yuji. Interpretations of the ATLAS diboson resonances. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 055001., Registrované v: WOS
240. [1.1] HOFERICHTER, Martin - KLOS, Philipp - MENENDEZ, Javier - SCHWENK, Achim. Improved Limits for Higgs-Portal Dark Matter from LHC Searches. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 18, art. no. 181803., Registrované v: WOS
241. [1.1] HOU, Wei-Shu - KIKUCHI, Mariko. Probing extra Yukawa couplings by precision measurements of Higgs boson properties. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015033., Registrované v: WOS
242. [1.1] HO, Yuh-Shan - HARTLEY, James. Classic articles published by American scientists (1900-2014): a bibliometric analysis. In CURRENT SCIENCE. ISSN 0011-3891, 2016, vol. 111, no. 7, pp. 1156-1165., Registrované v: WOS
243. [1.1] HUANG, Ding-wei. Temporal evolution of multi-author papers in basic sciences from 1960 to 2010. In SCIENTOMETRICS. ISSN 0138-9130, 2015, vol. 105, no. 3, pp. 2137-2147., Registrované v: WOS
244. [1.1] HUANG, Peisi - JOGLEKAR, Aniket - LI, Min - WAGNER, Carlos E. M. Corrections to di-Higgs boson production with light stops and modified Higgs couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075001., Registrované v: WOS
245. [1.1] HUANG, Xiaoyuan - LAMPERSTORFER, Anna S. - TSAI, Yue-Lin Sming - XU, Ming - YUAN, Qiang - CHANG, Jin - DONG, Yong-Wei - HU, Bing-Liang - LU, Jun-Guang - WANG, Le - WU, Bo-Bing - ZHANG, Shuang-Nan. Perspective of monochromatic gamma-ray line detection with the High Energy cosmic-Radiation Detection (HERD) facility onboard China's space station. In ASTROPARTICLE PHYSICS. ISSN 0927-6505, 2016, vol. 78, pp. 35-42., Registrované v: WOS
246. [1.1] HUBER, Stephan J. - KONSTANDIN, Thomas - NARDINI, Germano - RUES, Ingo. Detectable gravitational waves from very strong phase transitions in the general NMSSM. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2016, no. 3, art. no. 036., Registrované v: WOS
247. [1.1] HULSEN, T. - JAMUAR, S.S. - MOODY, A.R. - KARNES, J.H. - VARGA, O. - HEDENSTED, S. - SPREAFICO, R. - HAFLER, D.A. - MCKINNEY, E.F. From Big Data to Precision Medicine. In FRONTIERS IN

- MEDICINE. MAR 1 2019, vol. 6., Registrované v: WOS
248. [1.1] CHABAB, M. - PEYRANERE, M. C. - RAHILI, L. Naturalness in a type II seesaw model and implications for physical scalars. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115021., Registrované v: WOS
249. [1.1] CHAKDAR, Shreyashi - GHOSH, Kirtiman - NANDI, S. Superworld without supersymmetry. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 754, pp. 162-166., Registrované v: WOS
250. [1.1] CHAKRABORTI, Manimala - CHATTOPADHYAY, Utpal - PODDAR, Sujoy. How light a higgsino or a wino dark matter can become in a compressed scenario of MSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 9, art. no. 064., Registrované v: WOS
251. [1.1] CHAKRABORTTY, Joydeep - GHOSH, Pradipta - MONDAL, Subhadeep - SRIVASTAVA, Tripurari. Reconciling $(g-2)_{\mu}$ and charged lepton flavor violating processes through a doubly charged scalar. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115004., Registrované v: WOS
252. [1.1] CHAKRABORTY, Indrani - KUNDU, Anirban. Scalar potential of two-Higgs doublet models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095023., Registrované v: WOS
253. [1.1] CHANG, Chia-Feng - HE, Xiao-Gang - TANDEAN, Jusak. Exploring spin-3/2 dark matter with effective Higgs couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075026., Registrované v: WOS
254. [1.1] CHANG, Ngee-Pong. Yang-Mills gauge theory and the Higgs boson family. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 5, art. no. 1630006., Registrované v: WOS
255. [1.1] CHAUHAN, G. Vacuum stability and symmetry breaking in left-right symmetric model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 18 2019, no. 12., Registrované v: WOS
256. [1.1] CHAUHAN, G. - DEV, P.S.B. - MOHAPATRA, R.N. - ZHANG, Y.C. Perturbativity constraints on $U(1)_{B-L}$ and left-right models and implications for heavy gauge boson searches. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 28 2019, no. 1., Registrované v: WOS
257. [1.1] CHECCHIA, Paolo. BEH Boson properties from CMS results. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 01006., Registrované v: WOS
258. [1.1] CHENG, L. - EBERHARDT, O. - MURPHY, C.W. Novel theoretical constraints for color-octet scalar models. In CHINESE PHYSICS C. ISSN 1674-1137, SEP 2019, vol. 43, no. 9., Registrované v: WOS
259. [1.1] CHEN, Zhen-Xing - YANG, Ying - RUAN, Man-Qi - WANG, Da-Yong - LI, Gang - JIN, Shan - BAN, Yong. Cross section and Higgs mass measurement with Higgsstrahlung at the CEPC. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 2, art. no. 023003., Registrované v: WOS
260. [1.1] CHOWDHURY, Debtosh - PATEL, Ketan M. - TATA, Xerxes - VEMPATI, Sudhir K. The muon $g-2$ and degenerate supersymmetry. In INTERNATIONAL WORKSHOP ON FLAVOUR CHANGING AND CONSERVING PROCESSES 2015 (FCCP 2015). ISSN 2100-014X, 2016, vol. 118, art. no. 01027., Registrované v: WOS

261. [1.1] CHOWDHURY, Debtosh - PATEL, Ketan M. - TATA, Xerxes - VEMPATI, Sudhir K. Indirect searches of the degenerate MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075025., Registrované v: WOS
262. [1.1] CHUPP, T.E. - FIERLINGER, P. - RAMSEY-MUSOLF, M.J. - SINGH, J.T. Electric dipole moments of atoms, molecules, nuclei, and particles. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, JAN 4 2019, vol. 91, no. 1., Registrované v: WOS
263. [1.1] IACOBELLIS, Giuseppe - MASINA, Isabella. Stationary configurations of the Standard Model Higgs potential: Electroweak stability and rising inflection point. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075016., Registrované v: WOS
264. [1.1] IACOBELLIS, Giuseppe - MASINA, Isabella. Stationary configurations of the Standard Model Higgs potential: Electroweak stability and rising inflection point. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 073005., Registrované v: WOS
265. [1.1] IBE, Masahiro - YANAGIDA, Tsutomu T. Lower limit on the gravitino mass in low-scale gauge mediation with $m(H)$ similar or equal to 125 GeV. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 764, pp. 260-264., Registrované v: WOS
266. [1.1] IBE, M. - SUZUKI, M. - YANAGIDA, T.T. - YOKOZAKI, N. Muon $g-2$ in Split-Family SUSY in light of LHC run II. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 14 2019, vol. 79, no. 8., Registrované v: WOS
267. [1.1] ILNICKA, Agnieszka - KRAWCZYK, Maria - ROBENS, Tania. Inert doublet model in light of LHC Run I and astrophysical data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055026., Registrované v: WOS
268. [1.1] INOUE, Satoru - OVANESYAN, Grigory - RAMSEY-MUSOLF, Michael J. Two-step electroweak baryogenesis. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 015013., Registrované v: WOS
269. [1.1] JADACH, S. - KYCIA, R. A. Lineshape of the Higgs boson in future lepton colliders. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 755, pp. 58-63., Registrované v: WOS
270. [1.1] JEGERLEHNER, Friedrich. Comparison Between Theory and Experiment and Future Perspectives. In ANOMALOUS MAGNETIC MOMENT OF THE MUON, 2ND EDITION. ISSN 0081-3869, 2017, vol. 274, pp. 609-681., Registrované v: WOS
271. [1.1] JIA, Lian-Bao. Interpretation of the gamma-ray excess and AMS-02 antiprotons: Velocity dependent dark matter annihilations. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 055009., Registrované v: WOS
272. [1.1] JIA, Lian-Bao. Study of WIMP annihilations into a pair of on-shell scalar mediators. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 095028., Registrované v: WOS
273. [1.1] JINNO, Ryusuke - KANETA, Kunio - ODA, Kin-ya. Hill-climbing Higgs inflation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 2, art. no. 023523., Registrované v: WOS
274. [1.1] JINNO, Ryusuke - NAKAYAMA, Kazunori - TAKIMOTO,

- Masahiro. Gravitational waves from the first order phase transition of the Higgs field at high energy scales. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 4, art. no. 045024., Registrované v: WOS
275. [1.1] JOHANN, D. - MAYER, S.J. The Perception of Scientific Authorship Across Domains. In MINERVA. ISSN 0026-4695, JUN 2019, vol. 57, no. 2, p. 175-196., Registrované v: WOS
276. [1.1] JONES, R. T. Presidential Address: Truth and error in scientific publishing. In JOURNAL OF THE SOUTHERN AFRICAN INSTITUTE OF MINING AND METALLURGY. ISSN 2225-6253, 2015, vol. 115, no. 9, pp. 799-816., Registrované v: WOS
277. [1.1] KAKIZAKI, Mitsuru - KANEMURA, Shinya - KIKUCHI, Mariko - MATSUI, Toshinori - YOKOYA, Hiroshi. Indirect reach of heavy MSSM Higgs bosons by precision measurements at future lepton colliders. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 33, art. no. 1550192., Registrované v: WOS
278. [1.1] KALINOWSKI, Jan - KOTLARSKI, Wojciech - ROBENS, Tania - SOKOLOWSKA, Dorota - ZARNECKI, Aleksander Filip. Benchmarking the Inert Doublet Model for $e(+)e(-)$ colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 081., Registrované v: WOS
279. [1.1] KANEMURA, Shinya - KIKUCHI, Mariko - SAKURAI, Kodai. Testing the dark matter scenario in the inert doublet model by future precision measurements of the Higgs boson couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 115011., Registrované v: WOS
280. [1.1] KANEMURA, Shinya - KANETA, Kunio - MACHIDA, Naoki - ODORI, Shinya - SHINDOU, Tetsuo. Single and double production of the Higgs boson at hadron and lepton colliders in minimal composite Higgs models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015028., Registrované v: WOS
281. [1.1] KANEMURA, Shinya - KIKUCHI, Mariko - SAKURAI, Kodai - YAGYU, Kei. H-COUP: A program for one-loop corrected Higgs boson couplings in non-minimal Higgs sectors. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 233, pp. 134-144., Registrované v: WOS
282. [1.1] KARACA, Koray. Lessons from the Large Hadron Collider for model-based experimentation: the concept of a model of data acquisition and the scope of the hierarchy of models. In SYNTHESE. ISSN 0039-7857, 2018, vol. 195, no. 12, pp. 5431-5452., Registrované v: WOS
283. [1.1] KARAM, Alexandros - TAMVAKIS, Kyriakos. Dark matter and neutrino masses from a scale-invariant multi-Higgs portal. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 075010., Registrované v: WOS
284. [1.1] KAWAMURA, Junichiro - OMURA, Yuji. Study of dark matter physics in non-universal gaugino mass scenario. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 072., Registrované v: WOS
285. [1.1] KHOSA, Charanjit K. - PANDITA, P. N. Measuring the trilinear neutral Higgs boson couplings in the minimal supersymmetric standard model at $e(+)e(-)$ colliders in the light of the discovery of a Higgs boson. In

- INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 18, art. no. 1650108., Registrované v: WOS
286. [1.1] KIKUKAWA, Y. On the gauge-invariant path-integral measure for the overlap Weyl fermions in (16)under-bar of SO(10). In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, NOV 2019, no. 11., Registrované v: WOS
287. [1.1] KIM, Jong Soo - SCHMEIER, Daniel - TATTERSALL, Jamie. Role of the 'N' in the natural NMSSM for the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055018., Registrované v: WOS
288. [1.1] KIM, J. S. - ROLBIECKI, K. - RUIZ, R. - TATTERSALL, J. - WEBER, T. Prospects for natural SUSY. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 095013., Registrované v: WOS
289. [1.1] KITANO, Ryuichiro - MOTONO, Ryuji - NAGAI, Minoru. MSSM without free parameters. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 115016., Registrované v: WOS
290. [1.1] KOHRI, Kazunori - MATSUI, Hiroki. Higgs vacuum metastability in primordial inflation, preheating, and reheating. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 10, art. no. 103509., Registrované v: WOS
291. [1.1] KOHRI, Kazunori - MATSUI, Hiroki. Electroweak vacuum collapse induced by vacuum fluctuations of the Higgs field around evaporating black holes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 12, art. no. 123509., Registrované v: WOS
292. [1.1] KOHRI, Kazunori - MATSUI, Hiroki. Electroweak vacuum instability and renormalized vacuum field fluctuations in Friedmann-Lemaître-Robertson-Walker background. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 10, art. no. 103521., Registrované v: WOS
293. [1.1] KOWALSKA, Kamila. Phenomenological MSSM in light of new 13 TeV LHC data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 12, art. no. 684., Registrované v: WOS
294. [1.1] KRAUSE, Marcel - LOPEZ-VAL, David - MUEHLLEITNER, Margarete - SANTOS, Rui. Gauge-independent renormalization of the N2HDM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 12, art. no. 077., Registrované v: WOS
295. [1.1] KRAUSE, Marcel - MUEHLLEITNER, Margarete - SANTOS, Rui - ZIESCHE, Hanna. Higgs-to-Higgs boson decays in a 2HDM at next-to-leading order. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075019., Registrované v: WOS
296. [1.1] KRAWCZYK, Maria - DARVISHI, Neda - SOKOLOWSKA, Dorota. THE INERT DOUBLET MODEL AND ITS EXTENSIONS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 1, pp. 183-202., Registrované v: WOS
297. [1.1] LAGGER, Cyril. Backreaction of particle production on false vacuum decay (vol 93, 025024, 2016). In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 8, art. no. 025024., Registrované v: WOS
298. [1.1] LAI, Hsin-Hua - YANG, Kun. Relaxation of a Goldstino-like mode due to supersymmetry breaking in Bose-Fermi mixtures. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 6, art. no. 063620., Registrované v: WOS
299. [1.1] LAPERASHVILI, L. V. - NIELSEN, H. B. - DAS, C. R. New

- results at LHC confirming the vacuum stability and Multiple Point Principle. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 8, art. no. 1650029., Registrované v: WOS
300. [1.1] LARSON, D. J. Additional evidence and predictions for the ABC Preon model. In PHYSICS ESSAYS. ISSN 0836-1398, 2017, vol. 30, no. 4, pp. 347-355., Registrované v: WOS
301. [1.1] LIEBLER, S. - MUHLLEITNER, M. - SPIRA, M. - STADELMAIER, M. The hMSSM approach for Higgs self-couplings revisited. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 28 2019, vol. 79, no. 1., Registrované v: WOS
302. [1.1] LINDNER, Manfred - PATEL, Hiren H. - RADOVICIC, Branimir. Electroweak absolute, meta-, and thermal stability in neutrino mass models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 073005., Registrované v: WOS
303. [1.1] LIU, Ning - WU, Lei - YANG, Bingfang - ZHANG, Mengchao. Single top partner production in the Higgs to diphoton channel in the Littlest Higgs Model with T-parity. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 753, pp. 664-669., Registrované v: WOS
304. [1.1] LI, Chong Sheng. Introduction to the Standard Model of Particle Physics. In QCD HIGHER-ORDER EFFECTS AND SEARCH FOR NEW PHYSICS. ISSN 2190-5053, 2016, pp. 1-10., Registrované v: WOS
305. [1.1] MACHADO, P. A. N. - PEREZ, Y. F. - SUMENSARI, O. - TABRIZI, Z. - ZUKANOVICH FUNCHAL, R. On the viability of minimal neutrinophilic two-Higgs-doublet models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 12, art. no. 160., Registrované v: WOS
306. [1.1] MAIANI, Luciano - BONOLIS, Luisa. The LHC timeline: a personal recollection (1980-2012). In EUROPEAN PHYSICAL JOURNAL H. ISSN 2102-6459, 2017, vol. 42, no. 4-5, pp. 475-505., Registrované v: WOS
307. [1.1] MAMBRINI, Yann - NAGATA, Natsumi - OLIVE, Keith A. - ZHENG, Jiaming. Vacuum stability and radiative electroweak symmetry breaking in an SO(10) dark matter model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 111703., Registrované v: WOS
308. [1.1] MANGANO, Michelangelo L. - PLEHN, Tilman - REIMITZ, Peter - SCHELL, Torben - SHAO, Hua-Sheng. Measuring the top Yukawa coupling at 100 TeV. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 3, art. no. 035001., Registrované v: WOS
309. [1.1] MANZONI, S. Measurement of the Higgs boson properties in the diphoton final state with the ATLAS detector. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, JUL-AUG 2019, vol. 42, no. 4., Registrované v: WOS
310. [1.1] MARCANO, Xabier. Lepton Flavor Violation from Low Scale Seesaw Neutrinos with Masses Reachable at the LHC Introduction. In LEPTON FLAVOR VIOLATION FROM LOW SCALE SEESAW NEUTRINOS WITH MASSES REACHABLE AT THE LHC. ISSN 2190-5053, 2018, pp. 1-12., Registrované v: WOS
311. [1.1] MARCANO, Xabier. Seesaw Models with Heavy Neutrinos at the TeV Energy Range. In LEPTON FLAVOR VIOLATION FROM LOW SCALE SEESAW NEUTRINOS WITH MASSES REACHABLE AT THE LHC. ISSN 2190-5053, 2018, pp. 13-37., Registrované v: WOS

312. [1.1] MARIOTTI, Chiara - PASSARINO, Giampiero. Higgs boson couplings: Measurements and theoretical interpretation. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 4, art. no. 1730003., Registrované v: WOS
313. [1.1] MARTIN, Stephen P. Z-boson pole mass at two-loop order in the pure (MS) $\overline{\text{MS}}$ scheme. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 1, art. no. 014026., Registrované v: WOS
314. [1.1] MARU, Nobuhito - OKADA, Nobuchika - OKADA, Satomi. Fermionic minimal dark matter in 5D gauge-Higgs unification. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 115023., Registrované v: WOS
315. [1.1] MASINA, Isabella. Ruling out critical Higgs inflation? In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 4, art. no. 043536., Registrované v: WOS
316. [1.1] MATHEW, Jose - SHANKARANARAYANAN, S. Low scale Higgs inflation with Gauss-Bonnet coupling. In ASTROPARTICLE PHYSICS. ISSN 0927-6505, 2016, vol. 84, pp. 1-7., Registrované v: WOS
317. [1.1] MATTHEWS, Catherine A. New Developments in Robotics and Single-site Gynecologic Surgery. In CLINICAL OBSTETRICS AND GYNECOLOGY. ISSN 0009-9201, 2017, vol. 60, no. 2, pp. 296-311., Registrované v: WOS
318. [1.1] MA, Kai. Asymmetry observables for measuring spin correlations in top-quark pair production. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 071501., Registrované v: WOS
319. [1.1] MA, K. Enhancing CP measurement of the Yukawa interactions of top-quark at $e(-)e(+)$ collider. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2019, vol. 797., Registrované v: WOS
320. [1.1] MA, Teng - CACCIAPAGLIA, Giacomo. Fundamental composite 2HDM: SU(N) with 4 flavours. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 211., Registrované v: WOS
321. [1.1] MCDOWALL, John - MILLER, David J. High scale boundary conditions with an additional complex singlet. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115042., Registrované v: WOS
322. [1.1] MCDOWALL, J. - MILLER, D.J. High scale boundary conditions in models with two Higgs doublets. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 15 2019, vol. 100, no. 1., Registrované v: WOS
323. [1.1] MCDOWELL, J. - MILLER, D.J. The Multiple Point Principle and Extended Higgs Sectors. In FRONTIERS IN PHYSICS. ISSN 2296-424X, SEP 20 2019, vol. 7., Registrované v: WOS
324. [1.1] MERKOTAN, K. K. - ZELENTSOVA, T. M. - CHUDAK, N. O. - PTASHYNSKIY, D. A. - URBANEVICH, V. V. - POTIENKO, O. S. - VOITENKO, V. V. - BEREZOVSKIY, O. D. - SHARPH, I. V. - RUSOV, V. D. MULTI-PARTICLE FIELDS AND HIGGS MECHANISM. In JOURNAL OF PHYSICAL STUDIES. ISSN 1027-4642, 2018, vol. 22, no. 3, art. no. 3001., Registrované v: WOS
325. [1.1] MEUSER, D. - VOIGT, A. Investigating multiple solutions to boundary value problems in constrained minimal and non-minimal SUSY models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 2019, vol. 79, no. 10., Registrované v: WOS
326. [1.1] MIHAILA, Luminita - SCHMIDT, Barbara - STEINHAUSER,

- Matthias. $\Gamma(H \rightarrow b\bar{b})$ to order α_s . In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 751, pp. 442-447., Registrované v: WOS
327. [1.1] MIN, Brian B. K. Relativistic fields allowing spontaneous transformation between mass and charge. In PHYSICS ESSAYS. ISSN 0836-1398, 2018, vol. 31, no. 3, pp. 265-273., Registrované v: WOS
328. [1.1] MONTORI, Victor M. Big Science Research Collaboration for Evidence-Based Care. In CIRCULATION-CARDIOVASCULAR QUALITY AND OUTCOMES. ISSN 1941-7705, 2016, vol. 9, no. 6, pp. 688-692., Registrované v: WOS
329. [1.1] MORETTI, Stefano - MUNIR, Shoaib. Two Higgs Bosons near 125 GeV in the Complex NMSSM and the LHC Run I Data. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 509847., Registrované v: WOS
330. [1.1] MOROI, Takeo - YANAGIDA, Tsutomu T. - YOKOZAKI, Norimi. Upper bound on the gluino mass in supersymmetric models with extra matters. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 760, pp. 681-688., Registrované v: WOS
331. [1.1] MOSKOVITZ, C. Text Recycling in Scientific Writing. In SCIENCE AND ENGINEERING ETHICS. ISSN 1353-3452, JUN 2019, vol. 25, no. 3, p. 813-851., Registrované v: WOS
332. [1.1] MOYOTL, A. New sources of CP violation. In 31ST ANNUAL MEETING OF THE DIVISION OF PARTICLES AND FIELDS (DPYC) OF THE MEXICAN PHYSICAL SOCIETY. ISSN 1742-6588, 2017, vol. 912, art. no. 012019., Registrované v: WOS
333. [1.1] MUEHLLEITNER, Margarete - SAMPAIO, Marco O. P. - SANTOS, Rui - WITTBRODT, Jonas. Phenomenological comparison of models with extended Higgs sectors. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 132., Registrované v: WOS
334. [1.1] MUEHLLEITNER, Margarete - SAMPAIO, Marco O. P. - SANTOS, Rui - WITTBRODT, Jonas. The N2HDM under theoretical and experimental scrutiny. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 094., Registrované v: WOS
335. [1.1] MUKAIDA, Kyohei - YAMADA, Masaki. False vacuum decay catalyzed by black holes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 10, art. no. 103514., Registrované v: WOS
336. [1.1] MUMMIDI, V. Suryanarayana - VISHNU, P. K. - PATEL, Ketan M. Effects of heavy neutrinos on vacuum stability in two-Higgs-doublet model with GUT scale supersymmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 134., Registrované v: WOS
337. [1.1] MUMMIDI, V.S. - PATEL, K.M. Pseudo-Dirac Higgsino dark matter in GUT scale supersymmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 30 2019, no. 1., Registrované v: WOS
338. [1.1] MURPHY, Christopher W. Vector leptoquarks and the 750 GeV diphoton resonance at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 757, pp. 192-198., Registrované v: WOS
339. [1.1] NAZAREWICZ, W. Challenges in nuclear structure theory. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 4, art. no. 044002., Registrované v: WOS
340. [1.1] NEUMANN, Tobias. NLO Higgs+jet production at large

transverse momenta including top quark mass effects. In JOURNAL OF PHYSICS COMMUNICATIONS. ISSN 2399-6528, 2018, vol. 2, no. 9, art. no. 095017., Registrované v: WOS

341. [1.1] NG, J. N. - DE LA PUENTE, Alejandro. Electroweak vacuum stability and the seesaw mechanism revisited. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 3, art. no. 122., Registrované v: WOS

342. [1.1] NOMURA, T. - SHIMOMURA, T. Searching for scalar boson decaying into light Z' boson at collider experiments in $U(1)_{L\mu-L\tau}$ model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 13 2019, vol. 79, no. 7., Registrované v: WOS

343. [1.1] OKADA, Nobuchika - SHAFI, Qaisar. μ -term hybrid inflation and split supersymmetry. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 775, pp. 348-351., Registrované v: WOS

344. [1.1] OUAZGHOUR, B.A. - ARHRIB, A. - BENBRIK, R. - CHABAB, M. - RAHILI, L. Theory and phenomenology of a two-Higgs-doublet type-II seesaw model at the LHC run 2. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 27 2019, vol. 100, no. 3., Registrované v: WOS

345. [1.1] PASSEHR, Sebastian - WEIGLEIN, Georg. Two-loop top and bottom Yukawa corrections to the Higgs-boson masses in the complex MSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 222., Registrované v: WOS

346. [1.1] PASSON, O. On the interpretation of Feynman diagrams, or, did the LHC experiments observe H ?. In EUROPEAN JOURNAL FOR PHILOSOPHY OF SCIENCE. ISSN 1879-4912, MAY 2019, vol. 9, no. 2., Registrované v: WOS

347. [1.1] PEDERSEN, Keith - SULLIVAN, Zack. Probing the two-Higgs-doublet wedge region with charged Higgs boson decays to boosted jets. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035037., Registrované v: WOS

348. [1.1] PENDERS, Bart. Letter to the Editor: Respecting the Plurality of Value and the Messiness of Scientific Practice. In ACCOUNTABILITY IN RESEARCH-POLICIES AND QUALITY ASSURANCE. ISSN 0898-9621, 2016, vol. 23, no. 2, pp. 136-138., Registrované v: WOS

349. [1.1] PENUELAS, Ana - PICH, Antonio. Flavour alignment in multi-Higgs-doublet models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 12, art. no. 084., Registrované v: WOS

350. [1.1] POZZO, G. - ZHANG, Y. Constraining resonant dark matter with combined LHC electroweakino searches. In PHYSICS LETTERS B. ISSN 0370-2693, FEB 10 2019, vol. 789, p. 582-591., Registrované v: WOS

351. [1.1] PRITYCHENKO, B. Fractional authorship in nuclear physics. In SCIENTOMETRICS. ISSN 0138-9130, 2016, vol. 106, no. 1, pp. 461-468., Registrované v: WOS

352. [1.1] QIUYUE - SAKSTEIN, J. - TRODDEN, M. Baryogenesis via gravitational spontaneous symmetry breaking. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 17 2019, vol. 100, no. 6., Registrované v: WOS

353. [1.1] QUIGG, Chris. Future colliders symposium in Hong Kong: Scientific overview. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 33, art. no. 1644001., Registrované v: WOS

354. [1.1] QUIROS, I. Selected topics in scalar-tensor theories and beyond. In INTERNATIONAL JOURNAL OF MODERN PHYSICS D. ISSN 0218-2718, MAY 2019, vol. 28, no. 7., Registrované v: WOS
355. [1.1] RASANEN, Syksy - WAHLMAN, Pyry. Higgs inflation with loop corrections in the Palatini formulation. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2017, no. 11, art. no. 047., Registrované v: WOS
356. [1.1] RASANEN, S. - TOMBERG, E. Planck scale black hole dark matter from Higgs inflation. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, JAN 2019, no. 1., Registrované v: WOS
357. [1.1] RAYIGNANI, D. - SUPANITSKY, A. D. - MELO, D. Reconstruction of air shower muon densities using segmented counters with time resolution. In ASTROPARTICLE PHYSICS. ISSN 0927-6505, 2016, vol. 82, pp. 108-116., Registrované v: WOS
358. [1.1] REINHOLZ, D.L. - MATZ, R.L. - COLE, R. - APKARIAN, N. STEM Is Not a Monolith: A Preliminary Analysis of Variations in STEM Disciplinary Cultures and Implications for Change. In CBE-LIFE SCIENCES EDUCATION. ISSN 1931-7913, DEC 1 2019, vol. 18, no. 4., Registrované v: WOS
359. [1.1] REYES, E.A. - FAZIO, A.R. Comparison of the EFT hybrid and three-loop fixed-order calculations of the lightest MSSM Higgs boson mass. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 9 2019, vol. 100, no. 11., Registrované v: WOS
360. [1.1] ROBENS, Tania - STEFANIAK, Tim. LHC benchmark scenarios for the real Higgs singlet extension of the standard model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 268., Registrované v: WOS
361. [1.1] ROMAN, D.R. - FAIRBAIRN, M. Gravitationally produced top quarks and the stability of the electroweak vacuum during inflation. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 15 2019, vol. 99, no. 3., Registrované v: WOS
362. [1.1] ROSZKOWSKI, Leszek - TROJANOWSKI, Sebastian - TURZYNSKI, Krzysztof. Towards understanding thermal history of the Universe through direct and indirect detection of dark matter. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2017, no. 10, art. no. 005., Registrované v: WOS
363. [1.1] RUDELIUS, T. Conditions for (no) eternal inflation. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, AUG 2019, no. 8., Registrované v: WOS
364. [1.1] SA BORGES, J. - RAMOS, Rudnei O. Symmetry breaking patterns of the 3-3-1 model at finite temperature. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 6, pp. 1-13., Registrované v: WOS
365. [1.1] SALA, Filippo. Higgs and flavour as doors to new physics. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2016, vol. 131, no. 4., Registrované v: WOS
366. [1.1] SALVIO, Alberto. Initial conditions for critical Higgs inflation. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 780, pp. 111-117., Registrované v: WOS

367. [1.1] SALVIO, A. Critical Higgs inflation in a viable motivated model. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 28 2019, vol. 99, no. 1., Registrované v: WOS
368. [1.1] SANCHEZ-VEGA, B.L. - GAMBINI, G. - ALVAREZ-SALAZAR, C.E. Vacuum stability conditions of the economical 3-3-1 model from copositivity. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, APR 3 2019, vol. 79, no. 4., Registrované v: WOS
369. [1.1] SANCHEZ-VELEZ, R. - TAVARES-VELASCO, G. Decay $\phi \rightarrow Z \gamma \gamma$ ($\phi = h, H, A$) in the minimal supersymmetric standard model. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 19 2019, vol. 99, no. 5., Registrované v: WOS
370. [1.1] SHAJIEE, V.R. - TOFIGHI, A. Electroweak phase transition, gravitational waves and dark matter in two scalar singlet extension of the standard model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, APR 25 2019, vol. 79, no. 4., Registrované v: WOS
371. [1.1] SHAPOSHNIKOV, Mikhail - SHKERIN, Andrey. Gravity, scale invariance and the hierarchy problem. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 024., Registrované v: WOS
372. [1.1] SHAPOSHNIKOV, Mikhail - SHKERIN, Andrey. Conformal symmetry: Towards the link between the Fermi and the Planck scales. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 253-262., Registrované v: WOS
373. [1.1] SHKERIN, A. Dilaton-assisted generation of the Fermi scale from the Planck scale. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 13 2019, vol. 99, no. 11., Registrované v: WOS
374. [1.1] SHKERIN, A. Electroweak vacuum stability in the Higgs-Dilaton theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 5, art. no. 155., Registrované v: WOS
375. [1.1] SHKORUBSKAYA, E.G. The Genesis of a Scientific Article as a Form of Scientific Communication. In SOCIOLOGIA NAUK I TEHNOLOGIJ-SOCIOLOGY OF SCIENCE & TECHNOLOGY. ISSN 2079-0910, 2019, vol. 10, no. 2, p. 56-74., Registrované v: WOS
376. [1.1] SCHMITZ, Kai - YANAGIDA, Tsutomu T. Dynamical supersymmetry breaking and late-time R symmetry breaking as the origin of cosmic inflation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 074021., Registrované v: WOS
377. [1.1] SIDHARTH, B. G. - DAS, A. - DAS, C. R. - LAPERASHVILI, L. V. - NIELSEN, H. B. Topological structure of the vacuum, cosmological constant and dark energy. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 34, art. no. 1630051., Registrované v: WOS
378. [1.1] SINGH, P.K. - SOULAGES, J.M. - EWOLDT, R.H. On fitting data for parameter estimates: residual weighting and data representation. In RHEOLOGICA ACTA. ISSN 0035-4511, JUL 2019, vol. 58, no. 6-7, p. 341-359., Registrované v: WOS
379. [1.1] SONMEZ, N. Pair production of the lightest chargino at gamma gamma-collider. In NUCLEAR PHYSICS B. ISSN 0550-3213, FEB 2019, vol. 939, p. 233-252., Registrované v: WOS
380. [1.1] SUAREZT, Rebeca Gonzalez. Recent CMS results in top and Higgs physics. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2017,

- vol. 32, no. 29, art. no. 1730026., Registrované v: WOS
381. [1.1] SUMM, Benjamin - VOIGT, Alexander. Extending the universal one-loop effective action by regularization scheme translating operators. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 026., Registrované v: WOS
382. [1.1] TANG, Bor Luen. Letter to the editor: On plurality and authorship in science. In ACCOUNTABILITY IN RESEARCH-POLICIES AND QUALITY ASSURANCE. ISSN 0898-9621, 2018, vol. 25, no. 4, pp. 254-258., Registrované v: WOS
383. [1.1] TARAZONA, Carlos G. - DIAZ, Rodolfo A. - MORALES, John - CASTILLO, Andres. Phenomenology of the new physics coming from 2HDMs to the neutrino magnetic dipole moment. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 10, art. no. 1750050., Registrované v: WOS
384. [1.1] TATA, Xerxes. Supersymmetry: aspirations and prospects. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 10, art. no. 108001., Registrované v: WOS
385. [1.1] TEODOSIU, M. Scientific writing and publishing with IMRaD. In ANNALS OF FOREST RESEARCH. ISSN 1844-8135, 2019, vol. 62, no. 2, p. 201-214., Registrované v: WOS
386. [1.1] TRAN, H.M. - NGUYEN, H.T. GUT-inspired MSSM in light of muon g-2 and LHC results at root s=13 TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 26 2019, vol. 99, no. 3., Registrované v: WOS
387. [1.1] TSISKARIDZE, Shota. Introduction and Theoretical Framework. In SEARCH FOR FLAVOR-CHANGING NEUTRAL CURRENT TOP QUARK DECAYS T HQ, WITH H BB, IN PP COLLISIONS AT S = 8 TEV WITH THE ATLAS DETECTOR. ISSN 2190-5053, 2017, pp. 1-36., Registrované v: WOS
388. [1.1] VASKONEN, Ville. Electroweak baryogenesis and gravitational waves from a real scalar singlet. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 12, art. no. 123515., Registrované v: WOS
389. [1.1] VAVRYCUK, Vaclav. Fair ranking of researchers and research teams. In PLOS ONE. ISSN 1932-6203, 2018, vol. 13, no. 4, art. no. e0195509., Registrované v: WOS
390. [1.1] VERMA, Rohit. Implications of delta(CP)(l) similar to 270 degrees and theta(23) greater than or similar to 45 degrees for Texture Specific Lepton Mass Matrices and 0 nu beta beta Decay. In Advances in High Energy Physics. ISSN 1687-7357, 2016, art. no. 2094323., Registrované v: WOS
391. [1.1] VOLPATO, Gilson L. SCIENTIFIC AUTHORITY: WHY SO MUCH POLEMIC? In REVISTA DE GESTAO E SECRETARIADO-GESEC. ISSN 2178-9010, 2016, vol. 7, no. 2, pp. 213-226., Registrované v: WOS
392. [1.1] VON DER PAHLEN, Federico - PALACIO, Guillermo - RESTREPO, Diego - ZAPATA, Oscar. Radiative type III seesaw model and its collider phenomenology. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 033005., Registrované v: WOS
393. [1.1] WALY, Feras J. - YEO, Nicholas E. - PENNER, Murray J. Computed Navigation Guidance for Ankle Replacement in the Setting of Ankle Deformity. In CLINICS IN PODIATRIC MEDICINE AND SURGERY. ISSN 0891-8422, 2018, vol. 35, no. 1, pp. 85-+, Registrované v: WOS
394. [1.1] WANG, Weijian - HAN, Zhi-Long. Radiative linear seesaw

- model, dark matter, and $U(1)(B-L)$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 095001., Registrované v: WOS
395. [1.1] WANG, Weijian - HAN, Zhi-Long. Global $U(1)(L)$ symmetry breaking in a neutrinophilic 2HDM: From LHC signatures to x-ray lines. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 053015., Registrované v: WOS
396. [1.1] WANG, Weijian - WANG, Ruihong - HAN, Zhi-Long - HAN, Jin-Zhong. The $B-L$ scotogenic models for Dirac neutrino masses. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 889., Registrované v: WOS
397. [1.1] WANG, Wenyu - ZHANG, Mengchao - ZHAO, Jun. Higgs exotic decays in general NMSSM with self-interacting dark matter. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 11, art. no. 1841002., Registrované v: WOS
398. [1.1] WOLVAARDT, J. E. Authorship: Lone wolf or wolf pack? In AFRICAN JOURNAL OF HEALTH PROFESSIONS EDUCATION. ISSN 2078-5127, 2017, vol. 9, no. 2, pp. 50-50., Registrované v: WOS
399. [1.1] YANAGIDA, Tsutomu T. - YOKOZAKI, Norimi. Focus point gauge mediation without a severe fine-tuning. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 149., Registrované v: WOS
400. [1.1] YANASE, K. - YOSHINAGA, N. - HIGASHIYAMA, K. - YAMANAKA, N. Electric dipole moment of Hg-199 atom from P, CP-odd electron-nucleon interaction. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 16 2019, vol. 99, no. 7., Registrované v: WOS
401. [1.1] YANG, Kwei-Chou. Hidden Higgs portal vector dark matter for the Galactic center gamma-ray excess from the two-step cascade annihilation, and muon $g-2$. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 099., Registrované v: WOS
402. [1.1] YIN, Wen - YOKOZAKI, Norimi. Splitting mass spectra and muon $g-2$ in Higgs-anomaly mediation. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 762, pp. 72-79., Registrované v: WOS
403. [1.1] YUE, Jason Tsz Shing. Preface-The Higgs Discovery. In HIGGS PROPERTIES AT THE LHC: IMPLICATIONS FOR THE STANDARD MODEL AND FOR COSMOLOGY. ISSN 2190-5053, 2017, pp. IX-XIV., Registrované v: WOS
404. [1.1] YU, Yi - BI, Yan-Ping - SHEN, Jie-Fen. Associated production of the doubly-charged scalar pair with the Higgs boson in the Georgi-Machacek model at the ILC. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 759, pp. 513-519., Registrované v: WOS
405. [1.1] ZALEWSKA, Agnieszka. ROADMAP(S) FOR PARTICLE PHYSICS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2015, vol. 46, no. 7, pp. 1439-1447., Registrované v: WOS
406. [1.1] ZAUNER, Hans - NOGOY, Nicole A. - EDMUNDS, Scott C. - ZHOU, Hongling - GOODMAN, Laurie. Editorial: We need to talk about authorship. In GIGASCIENCE. ISSN 2047-217X, 2018, vol. 7, no. 12., Registrované v: WOS
407. [1.1] ZHANG, Hai-Bin - FENG, Tai-Fu - YANG, Xiu-Yi - ZHAO, Shu-Min - NING, Guo-Zhu. Higgs boson mass corrections in the $\mu\mu$ SSM with effective potential methods. In PHYSICAL REVIEW D. ISSN 2470-0010,

2017, vol. 95, no. 7, art. no. 075013., Registrované v: WOS
 408. [1.1] ZHANG, Hai-Bin - FENG, Tai-Fu - ZHAO, Shu-Min - YAN, Yu-Li - SUN, Fei. 125 GeV Higgs decay with lepton flavor violation in the $\mu\nu$ NSSM. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 4, art. no. 043106., Registrované v: WOS

ADCA86 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - ABED ABUD, A. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Combined measurements of Higgs boson production and decay using up to 80 fb⁻¹ of proton-proton collision data at root S=13 TeV collected with the ATLAS experiment. In *Physical Review D*, 2020, vol. 101, no. 1, art. no. 012002. (2019: 4.833 - IF, Q1 - JCR, 1.664 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.101.012002>

Ohlasy:

1. [1.1] ARBEY, A. - ELLIS, J. - MAHMOUDI, F. Exploring Supersymmetric CP Violation after LHC Run 2 with Electric Dipole Moments and B Observables. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 1 2020, vol. 80, no. 7., Registrované v: WOS
2. [1.1] ARCO, F. - HEINEMEYER, S. - HERRERO, M.J. Exploring sizable triple Higgs couplings in the 2HDM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 24 2020, vol. 80, no. 9., Registrované v: WOS
3. [1.1] ARROYO-URENA, M.A. - DIAZ-CRUZ, J.L. Hidden signals of new physics within the Yukawa couplings of the Higgs boson. In PHYSICS LETTERS B. ISSN 0370-2693, NOV 10 2020, vol. 810., Registrované v: WOS
4. [1.1] BANERJEE, A. - BHATTACHARYYA, G. Probing the Higgs boson through Yukawa force. In NUCLEAR PHYSICS B. ISSN 0550-3213, DEC 2020, vol. 961., Registrované v: WOS
5. [1.1] BHASKAR, A. - DAS, D. - DE, B. - MITRA, S. Enhancing scalar productions with leptoquarks at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 4 2020, vol. 102, no. 3., Registrované v: WOS
6. [1.1] COYLE, N.M. - WAGNER, C.E.M. Dynamical Higgs field alignment in the NMSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 30 2020, vol. 101, no. 5., Registrované v: WOS
7. [1.1] DAWSON, S. - HOMILLER, S. - LANE, S.D. Putting standard model EFT fits to work. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 15 2020, vol. 102, no. 5., Registrované v: WOS
8. [1.1] DIAS, A.G. - LEITE, J. - SANCHEZ-VEGA, B.L. - VIEIRA, W.C. Dynamical symmetry breaking and fermion mass hierarchy in the scale-invariant 3-3-1 model. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 23 2020, vol. 102, no. 1., Registrované v: WOS
9. [1.1] DOMINGO, F. - PASSEHR, S. Towards Higgs masses and decay widths satisfying the symmetries in the (N)MSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 7 2020, vol. 80, no. 12., Registrované v: WOS
10. [1.1] FARRERA, C.M. - GRANADOS-GONZALEZ, A. - NOVALES-SANCHEZ, H. - TOSCANO, J.J. Quark-flavor-changing Higgs decays from a universal extra dimension. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, AUG 30 2020, vol. 35, no. 24.,

Registrované v: WOS

11. [1.1] GAVELA, M.B. - NO, J.M. - SANZ, V. - DE TROCONIZ, J.F. Nonresonant Searches for Axionlike Particles at the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, FEB 6 2020, vol. 124, no. 5.,

Registrované v: WOS

12. [1.1] HERNANDEZ, A.E.C. - DIB, C.O. - SALDANA-SALAZAR, U.J. When tan beta meets all the mixing angles. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS

13. [1.1] HE, S.P. Higgs boson to gamma Z decay as a probe of flavor-changing neutral Yukawa couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 27 2020, vol. 102, no. 7., Registrované v: WOS

14. [1.1] HONG, J.P. - JUNG, S. - XIE, K.P. Fermi-ball dark matter from a first-order phase transition. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 23 2020, vol. 102, no. 7., Registrované v: WOS

15. [1.1] HOU, W.S. - HSU, T.H. - MODAK, T. Constraining the $t \rightarrow u$ flavor changing neutral Higgs coupling at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 9 2020, vol. 102, no. 5., Registrované v: WOS

16. [1.1] HOU, W.S. - KUMAR, G. Coming decade of $h \rightarrow \tau \mu$ and $\tau \rightarrow \mu \gamma$ interplay in tau flavor violation search. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 14 2020, vol. 101, no. 9., Registrované v: WOS

17. [1.1] HUANG, P.S. - NG, Y.H. Di-Higgs production in SUSY models at the LHC. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, AUG 17 2020, vol. 135, no. 8., Registrované v: WOS

18. [1.1] JAGER, B. - KARLBERG, A. - PLATZER, S. - SCHELLER, J. - ZARO, M. Parton-shower effects in Higgs production via vector-boson fusion. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 19 2020, vol. 80, no. 8., Registrované v: WOS

19. [1.1] JANGID, S. - BANDYOPADHYAY, P. - DEV, P.S.B. - KUMAR, A. Vacuum stability in inert higgs doublet model with right-handed neutrinos. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 28 2020, no. 8., Registrované v: WOS

20. [1.1] KANEMURA, S. - KIKUCHI, M. - MAWATARI, K. - SAKURAI, K. - YAGYU, K. H-COUP Version 2: A program for one-loop corrected Higgs boson decays in non-minimal Higgs sectors. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, DEC 2020, vol. 257., Registrované v: WOS

21. [1.1] KEUS, V. Dark CP violation through the Z portal. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 29 2020, vol. 101, no. 7., Registrované v: WOS

22. [1.1] KOZACZUK, J. - RAMSEY-MUSOLF, M.J. - SHELTON, J. Exotic Higgs boson decays and the electroweak phase transition. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 25 2020, vol. 101, no. 11., Registrované v: WOS

23. [1.1] MANGANO, M.L. - ORTONA, G. - SELVAGGI, M. Measuring the Higgs self-coupling via Higgs-pair production at a 100 TeV p-p collider. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 8 2020, vol. 80, no. 11., Registrované v: WOS

24. [1.1] MODAK, T. - ODA, K.Y. Echoes of 2HDM inflation at the collider experiments. In EUROPEAN PHYSICAL JOURNAL C. ISSN

- 1434-6044, SEP 19 2020, vol. 80, no. 9., Registrované v: WOS
25. [1.1] NIERSTE, U. - TABET, M. - ZIEGLER, R. Cornering Spontaneous CP Violation with Charged-Higgs-Boson Searches. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, JUL 13 2020, vol. 125, no. 3., Registrované v: WOS
26. [1.1] OBIKHOD, T.V. - PETRENKO, E.A. INVESTIGATIONS OF ELECTROWEAK SYMMETRY BREAKING MECHANISM FOR HIGGS BOSON DECAYS INTO FOUR FERMIONS. In PROBLEMS OF ATOMIC SCIENCE AND TECHNOLOGY. ISSN 1562-6016, 2020, no. 5, p. 8-12., Registrované v: WOS
27. [1.1] PICH, A. - ROSELL, I. - SANZ-CILLERO, J.J. Bottom-up approach within the electroweak effective theory: Constraining heavy resonances. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 10 2020, vol. 102, no. 3., Registrované v: WOS
28. [1.1] PRIMULANDO, R. - JULIO, J. - UTTAYARAT, P. Collider constraints on lepton flavor violation in the 2HDM. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 20 2020, vol. 101, no. 5., Registrované v: WOS
29. [1.1] ROBENS, T. - STEFANIAK, T. - WITTBRODT, J. Two-real-scalar-singlet extension of the SM: LHC phenomenology and benchmark scenarios. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 19 2020, vol. 80, no. 2., Registrované v: WOS
30. [1.1] STEGGEMANN, J. Extended Scalar Sectors. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 197-223., Registrované v: WOS
31. [1.1] VIEN, V.V. - LONG, H.N. - HERNANDEZ, A.E.C. U (1)(B) (-) (L) extension of the standard model with S-3 symmetry. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 12 2020, vol. 80, no. 8., Registrované v: WOS

ADCA87 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Combined search for the Standard Model Higgs boson in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2012, vol. 86, no. 3, art. no. 032003. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.86.032003>

Ohlasy:

1. [1.1] ARUN, Mathew Thomas - CHOUDHURY, Debajyoti - DAS, Ashmita - SENGUPTA, Soumitra. Graviton modes in multiply warped geometry. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 746, pp. 266-275., Registrované v: WOS
2. [1.1] ARUN, Mathew Thomas - CHOUDHURY, Debajyoti. Stabilization of moduli in spacetime with nested warping and the UED. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 923, pp. 258-276., Registrované v: WOS
3. [1.1] ARUN, M.T. - CHOUDHURY, D. - SACHDEVA, D. Living orthogonally: quasi-universal extra dimensions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 31 2019, no. 1., Registrované v: WOS
4. [1.1] DENISOVA, I.P. On a Mathematical Problem in the Theory of

- Goldstone Bosons. In RUSSIAN MATHEMATICS. ISSN 1066-369X, NOV 2020, vol. 64, no. 11, p. 73-77., Registrované v: WOS
5. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS
6. [1.1] FURUI, Sadataka. Cartan's Supersymmetry and Weak and Electromagnetic Interactions. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2015, vol. 56, no. 10, pp. 703-711., Registrované v: WOS
7. [1.1] GAINER, James S. - GONZALEZ-ALONSO, Martn - GRELJO, Admir - ISAKOVIC, Senad - ISIDORI, Gino - KORYTOV, Andrey - LYKKEN, Joseph - MARZOCCA, David - MATCHEV, Konstantin T. - MILENOVIC, Predrag - MITSSELMAKHER, Guenakh - MRENNNA, Stephen - PARK, Myeonghun - RINKEVICIUS, Aurelijus - SELIMOVIC, Nudzeim. Adding pseudo-observables to the four-lepton experimentalist's toolbox. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 073., Registrované v: WOS
8. [1.1] GAPOCHKA, M.G. - DENISOVA, I.P. - KOROLEV, A.F. - KOSHELEV, N.N. - EINIEV, E.T. On the Measurement of the Ratio of the Gravitational and Inertial Masses of an Electron. In MOSCOW UNIVERSITY PHYSICS BULLETIN. ISSN 0027-1349, JUL 2019, vol. 74, no. 4, p. 337-340., Registrované v: WOS
9. [1.1] CHAKRABORTY, Indrani - KUNDU, Anirban. Naturalness problem: Off the beaten track. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2016, vol. 87, no. 3, art. no. UNSP 38., Registrované v: WOS
10. [1.1] CHATTOPADHYAY, U. - DAS, D. - MUKHERJEE, S. Probing lepton flavor violating decays in MSSM with non-holomorphic soft terms. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 1 2020, no. 6., Registrované v: WOS
11. [1.1] KARACA, Koray. Lessons from the Large Hadron Collider for model-based experimentation: the concept of a model of data acquisition and the scope of the hierarchy of models. In SYNTHESE. ISSN 0039-7857, 2018, vol. 195, no. 12, pp. 5431-5452., Registrované v: WOS
12. [1.1] MORA, K.D. Harmonizing discovery thresholds and reporting two-sided confidence intervals: a modified Feldman & Cousins method. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, FEB 2019, vol. 14., Registrované v: WOS
13. [1.1] ROBENS, Tania - STEFANIAK, Tim. Status of the Higgs singlet extension of the standard model after LHC run 1. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 3, art. no. 104., Registrované v: WOS
14. [1.1] STALEY, Kent W. Pragmatic warrant for frequentist statistical practice: the case of high energy physics. In SYNTHESE. ISSN 0039-7857, 2017, vol. 194, no. 2, pp. 355-376., Registrované v: WOS
15. [1.1] TORASSA, Ezio. The Standard Model and Higgs physics. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 69-106., Registrované v: WOS

ADCA88 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Combined search for the Standard Model Higgs boson using up to 4.9 fb⁻¹ of pp collision data at root

$s=7$ TeV with the ATLAS detector at the LHC. In *Physics Letters B*, 2012, vol. 710, no. 1, p. 49-66. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.
Dostupné na: <https://doi.org/10.1016/j.physletb.2012.02.044>

Ohlasy:

1. [1.1] AKEROYD, A. G. - AOKI, M. - ARHRIB, A. - BASSO, L. - GINZBURG, I. F. - GUEDES, R. - HERNANDEZ-SANCHEZ, J. - HUITU, K. - HURTH, T. - KADASTIK, M. - KANEMURA, S. - KANNIKE, K. - KHATER, W. - KRAWCZYK, M. - MAHMOUDI, F. - MORETTI, S. - NAJJARI, S. - OSLAND, P. - PRUNA, G. M. - PURMOHAMMADI, M. - RACIOPPI, A. - RAIDAL, M. - SANTOS, R. - SHARMA, P. - SOKOLOWSKA, D. - STAL, O. - YAGYU, K. - YILDIRIM, E. Prospects for charged Higgs searches at the LHC. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2017, vol. 77, no. 5, art. no. 276., Registrované v: WOS
2. [1.1] ALEKHIN, Sergey et al. A facility to search for hidden particles at the CERN SPS: the SHiP physics case. In *REPORTS ON PROGRESS IN PHYSICS*. 2016, vol. 79, no. 12, art. no. 124201., Registrované v: WOS
3. [1.1] ANCHORDOQUI, Luis A. - BARGER, Vernon - GOLDBERG, Haim - HUANG, Xing - MARFATIA, Danny - DA SILVA, Luiz H. M. - WEILER, Thomas J. Majorana dark matter through the Higgs portal under the vacuum stability lamppost. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2015, vol. 92, no. 6, art. no. 063504., Registrované v: WOS
4. [1.1] ARBUZOVA, E.V. - DOLGOV, A.D. - SINGH, R.S. Superheavy dark matter in R plus R^2 cosmology with conformal anomaly. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, NOV 12 2020, vol. 80, no. 11., Registrované v: WOS
5. [1.1] ATHRON, Peter - PARK, Jae-hyeon - STOECKINGER, Dominik - VOIGT, Alexander. FlexibleSUSY-A spectrum generator for supersymmetric models. In *COMPUTER PHYSICS COMMUNICATIONS*. ISSN 0010-4655, 2015, vol. 190, pp. 139-172., Registrované v: WOS
6. [1.1] AZEVEDO, D. - DUCH, M. - GRZADKOWSKI, B. - HUANG, D. - IGLICKI, M. - SANTOS, R. Testing scalar versus vector dark matter. In *PHYSICAL REVIEW D*. ISSN 2470-0010, JAN 9 2019, vol. 99, no. 1., Registrované v: WOS
7. [1.1] BASSO, Lorenzo - FUKS, Benjamin - KRAUSS, Manuel E. - POROD, Werner. Doubly-charged Higgs and vacuum stability in left-right supersymmetry. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2015, no. 7, art. no. 147., Registrované v: WOS
8. [1.1] BIONDINI, S. - PANELLA, O. Exotic leptons at future linear colliders. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 015023., Registrované v: WOS
9. [1.1] BRANCHINA, Vincenzo - MESSINA, Emanuele - SHER, Marc. Lifetime of the electroweak vacuum and sensitivity to Planck scale physics. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 013003., Registrované v: WOS
10. [1.1] BURDA, Philipp - GREGORY, Ruth - MOSS, Ian G. Vacuum metastability with black holes. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2015, vol., no. 8, art. no. 114., Registrované v: WOS
11. [1.1] BURDA, Philipp - GREGORY, Ruth - MOSS, Ian G. Gravity and the Stability of the Higgs Vacuum. In *PHYSICAL REVIEW LETTERS*.

- ISSN 0031-9007, 2015, vol. 115, no. 7, art. no. 071303., Registrované v: WOS
12. [1.1] BURDA, Philipp - GREGORY, Ruth - MOSS, Ian G. The fate of the Higgs vacuum. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 6, art. no. 025., Registrované v: WOS
13. [1.1] BURDYUZHA, V. V. The Dark Components of the Universe Are Slowly Clarified. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2017, vol. 124, no. 2, pp. 358-368., Registrované v: WOS
14. [1.1] CADONI, Mariano - FRANZIN, Edgardo. Asymptotically flat black holes sourced by a massless scalar field. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 10, art. no. 104011., Registrované v: WOS
15. [1.1] CAO, Junjie - SHANG, Liangliang - SU, Wei - WANG, Fei - ZHANG, Yang. Interpreting the 750 GeV diphoton excess within topflavor seesaw model. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 911, pp. 447-470., Registrované v: WOS
16. [1.1] COSTA, Raul - MORAIS, Antonio P. - SAMPAIO, Marco O. P. - SANTOS, Rui. Two-loop stability of a complex singlet extended standard model. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 2, art. no. 025024., Registrované v: WOS
17. [1.1] CUSPINERA, L. - GREGORY, R. - MARSHALL, K.M. - MOSS, I.G. Higgs vacuum decay from particle collisions?. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 30 2019, vol. 99, no. 2., Registrované v: WOS
18. [1.1] CUSPINERA, L. - GREGORY, R. - MARSHALL, K.M. - MOSS, I.G. Higgs vacuum decay in a braneworld. In INTERNATIONAL JOURNAL OF MODERN PHYSICS D. ISSN 0218-2718, JAN 2020, vol. 29, no. 1., Registrované v: WOS
19. [1.1] DAI, D.C. - GREGORY, R. - STOJKOVIC, D. Connecting the Higgs potential and primordial black holes. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 15 2020, vol. 101, no. 12., Registrované v: WOS
20. [1.1] DUAN, Guang Hua - HIKASA, Ken-ichi - WU, Lei - YANG, Jin Min - ZHANG, Mengchao. Leptonic mono-top from single stop production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 091., Registrované v: WOS
21. [1.1] DUAN, G.H. - FAN, X. - FRANK, M. - HAN, C.C. - YANG, J.M. A minimal U(1)' extension of MSSM in light of the B decay anomaly. In PHYSICS LETTERS B. ISSN 0370-2693, FEB 10 2019, vol. 789, p. 54-58., Registrované v: WOS
22. [1.1] DUAN, G.H. - FAN, X. - HIKASA, K. - PENG, B. - YANG, J.M. Probing stops in the coannihilation region at the HL-LHC: A comparative study of different processes. In PHYSICS LETTERS B. ISSN 0370-2693, NOV 10 2020, vol. 810., Registrované v: WOS
23. [1.1] DUPUIS, Grace. Collider constraints and prospects of a scalar singlet extension to Higgs portal dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art. no. 008., Registrované v: WOS
24. [1.1] DU, Xiaokang - WANG, Fei. NMSSM from alternative deflection in generalized deflected anomaly mediated SUSY breaking. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 5, art. no. 431., Registrované v: WOS
25. [1.1] DU, X.K. - LIU, G.L. - WANG, F. - WANG, W.Y. - YANG,

- J.M. - ZHANG, Y. NMSSM with generalized deflected mirage mediation. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 9 2019, vol. 79, no. 5., Registrované v: WOS
26. [1.1] ENQVIST, Kari - NURMI, Sami - RUSAK, Stanislav - WEIR, David J. Lattice calculation of the decay of primordial Higgs condensate. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2016, no. 2, art. no. 057., Registrované v: WOS
27. [1.1] EVANS, J.A. - TANEDO, P. - ZAKERI, M. Exotic lepton-flavor violating Higgs decays. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 7 2020, no. 1., Registrované v: WOS
28. [1.1] FUCHS, Elina - WEIGLEIN, Georg. Impact of CP-violating interference effects on MSSM Higgs searches. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 2, art. no. 87., Registrované v: WOS
29. [1.1] GAINER, James S. - GONZALEZ-ALONSO, Martn - GRELJO, Admir - ISAKOVIC, Senad - ISIDORI, Gino - KORYTOV, Andrey - LYKKEN, Joseph - MARZOCCA, David - MATCHEV, Konstantin T. - MILENOVIC, Predrag - MITSSELMACHER, Guenakh - MRENNNA, Stephen - PARK, Myeonghun - RINKEVICIUS, Aurelijus - SELIMOVIC, Nudzeim. Adding pseudo-observables to the four-lepton experimentalist's toolbox. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 073., Registrované v: WOS
30. [1.1] GELMINI, Graciela B. - TAKHISTOV, Volodymyr - WITTE, Samuel J. Casting a wide signal net with future direct dark matter detection experiments. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 7, art. no. 009., Registrované v: WOS
31. [1.1] GONZALEZ, Jorge A. - BELLORIN, A. - GARCIA-NUSTES, Monica A. - GUERRERO, L. E. - JIMENEZ, S. - MARIN, Juan F. - VAZQUEZ, L. Fate of the true-vacuum bubbles. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 6, art. no. 033., Registrované v: WOS
32. [1.1] GONZALEZ, J.A. - BELLORIN, A. - GUERRERO, L.E. - JIMENEZ, S. - MARIN, J.F. - VAZQUEZ, L. Solitons and Instantons in Vacuum Stability: Physical Phenomena. In BRAZILIAN JOURNAL OF PHYSICS. ISSN 0103-9733, DEC 2020, vol. 50, no. 6, p. 759-770., Registrované v: WOS
33. [1.1] GRZADKOWSKI, B. - IGLICKI, M. - MEKALA, K. - ZARNECKI, A.F. Dark-matter-spin effects at future $e(+)e(-)$ colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 12 2020, no. 8., Registrované v: WOS
34. [1.1] GUADAGNOLI, D. Flavor physics: Precision as an avenue to discovery. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, JAN 10 2020, vol. 35, no. 1., Registrované v: WOS
35. [1.1] GWAK, Bogeun - LEE, Bum-Hoon - RO, Daeho. Instability of charged anti-de Sitter black holes. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 761, pp. 437-443., Registrované v: WOS
36. [1.1] GWAK, Bogeun - LEE, Bum-Hoon. The upper bound of radiation energy in the Myers-Perry black hole collision. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art. no. 079., Registrované v: WOS
37. [1.1] GWAK, Bogeun - LEE, Bum-Hoon. Cosmic censorship of

- rotating Anti-de Sitter black hole. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2016, no. 2, art. no. 015., Registrované v: WOS
38. [1.1] GWAK, Bogeun. Collision of two rotating Hayward black holes. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 7, art. no. 482., Registrované v: WOS
39. [1.1] GWAK, Bogeun. Thermodynamics and Cosmic Censorship Conjecture in Kerr-Newman-de Sitter Black Hole. In ENTROPY. ISSN 1099-4300, 2018, vol. 20, no. 11, art. no. 855., Registrované v: WOS
40. [1.1] HAN, C. - LOPEZ-IBANEZ, M.L. - MELIS, A. - VIVES, O. - WU, L. - YANG, J.M. LFV and (g-2) in non-universal SUSY models with light higgsinos. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 22 2020, no. 5., Registrované v: WOS
41. [1.1] HAN, Chengcheng - KOBAKHIDZE, Archil - LIU, Ning - WU, Lei - YANG, Bingfang. Constraining top partner and naturalness at the LHC and TLEP. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 890, pp. 388-399., Registrované v: WOS
42. [1.1] CHECCHIA, Paolo. Implications of a 125 GeV Higgs boson. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 7, art. no. 1530003., Registrované v: WOS
43. [1.1] KANEMURA, Shinya - KANETA, Kunio - MACHIDA, Naoki - ODORI, Shinya - SHINDOU, Tetsuo. Single and double production of the Higgs boson at hadron and lepton colliders in minimal composite Higgs models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015028., Registrované v: WOS
44. [1.1] KIM, Jong Soo - KRAUSS, Manuel E. - LOZANO, Victor Martin. Probing the electroweakino sector of general gauge mediation at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 150-157., Registrované v: WOS
45. [1.1] KRAUSS, Manuel E. - POROD, Werner. Is the CMS eejj excess a hint for light supersymmetry? In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 055019., Registrované v: WOS
46. [1.1] LAGGER, Cyril. Backreaction of particle production on false vacuum decay. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 2, art. no. 025024., Registrované v: WOS
47. [1.1] LAPERASHVILI, L. V. - NIELSEN, H. B. - DAS, C. R. New results at LHC confirming the vacuum stability and Multiple Point Principle. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 8, art. no. 1650029., Registrované v: WOS
48. [1.1] LEE, K.S. Systematic study of two-dimensional phenolic RPCs. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, NOV 2020, vol. 15, no. 11., Registrované v: WOS
49. [1.1] LEONARDI, R. - ALUNNI, L. - ROMEO, F. - FANO, L. - PANELLA, O. Hunting for heavy composite Majorana neutrinos at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 11, pp. 1-14., Registrované v: WOS
50. [1.1] LI, Rong - ZHANG, Ying. Combined Analysis of CP Properties of Higgs Boson in Effective Higgs Lagrangian. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2016, vol. 65, no. 1, pp. 46-52., Registrované v: WOS

51. [1.1] LI, Zhuang - LIU, Guo-Li - WANG, Fei - WANG, Lin. Bounds on Higgs and top quark masses from vacuum stability (degeneracy) with gravitational contributions. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2018, vol. 61, no. 9, art. no. 091011., Registrované v: WOS
52. [1.1] LI, Z. - WANG, F. Minimal Yukawa deflection of AMSB from the Kahler potential. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 2 2019, no. 5., Registrované v: WOS
53. [1.1] LI, Z. - WANG, F. Type-II neutrino seesaw mechanism extension of NMSSM from SUSY breaking mechanisms. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 31 2020, vol. 80, no. 8., Registrované v: WOS
54. [1.1] MARIAN, I.G. - DEFENU, N. - JENTSCHURA, U.D. - TROMBETTONI, A. - NANDORI, I. Pseudo-periodic natural Higgs inflation. In NUCLEAR PHYSICS B. ISSN 0550-3213, AUG 2019, vol. 945., Registrované v: WOS
55. [1.1] NIELSEN, H. B. F(750), we miss you as bound state of 6 top and 6 antitop. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 36, art. no. 1650186., Registrované v: WOS
56. [1.1] NING, Xuyang - WANG, Fei. Solving the muon g-2 anomaly within the NMSSM from generalized deflected AMSB. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 089., Registrované v: WOS
57. [1.1] NORDLUND, Kai - ZINKLE, Steven J. - SAND, Andrea E. - GRANBERG, Fredric - AVERBACK, Robert S. - STOLLER, Roger E. - SUZUDO, Tomoaki - MALERBA, Lorenzo - BANHART, Florian - WEBER, William J. - WILLAIME, Francois - DUDAREV, Sergei L. - SIMEONE, David. Primary radiation damage: A review of current understanding and models. In JOURNAL OF NUCLEAR MATERIALS. ISSN 0022-3115, 2018, vol. 512, pp. 450-479., Registrované v: WOS
58. [1.1] NOTARI, Alessio. Higgs mass and gravity waves in standard model false vacuum inflation. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 6, art. no. 063527., Registrované v: WOS
59. [1.1] QUINTA, G.M. - FLACHI, A. - LEMOS, J.P.S. Spontaneously broken symmetry restoration of quantum fields in the vicinity of neutral and electrically charged black holes. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 23 2019, no. 4., Registrované v: WOS
60. [1.1] QUIROS, Mariano. Higgs bosons in extra dimensions. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2015, vol. 30, no. 15, art. no. 1540012., Registrované v: WOS
61. [1.1] SHINDOU, T. A UV Picture of a Loop Induced Neutrino Mass Model and Its Phenomenological Consequences. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JAN 14 2019, vol. 6., Registrované v: WOS
62. [1.1] SIDHARTH, B. G. - DAS, A. - DAS, C. R. - LAPERASHVILI, L. V. - NIELSEN, H. B. Topological structure of the vacuum, cosmological constant and dark energy. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 34, art. no. 1630051., Registrované v: WOS
63. [1.1] TANG, T.P. - LIU, N. - ZHOU, H. Mono-b events from single stop production at the HL-LHC and HE-LHC. In NUCLEAR PHYSICS B. ISSN

0550-3213, JUL 2020, vol. 956., Registrované v: WOS

64. [1.1] TANG, T.P. - ZHOU, H. - LIU, N. Probing single stop production at the FCC-hh/SPPC. In NUCLEAR PHYSICS B. ISSN 0550-3213, OCT 2020, vol. 959., Registrované v: WOS

65. [1.1] TONELLI, Guido. Perspectives in Particle Physics after the Discovery of the Higgs Boson. In EUROPEAN REVIEW. ISSN 1062-7987, 2018, vol. 26, no. 1, pp. 100-109., Registrované v: WOS

66. [1.1] TROCSANYI, Zoltan - SOMOGYI, Gabor - TRAMONTANO, Francesco. FULLY DIFFERENTIAL DECAY RATE OF A STANDARD MODEL HIGGS BOSON INTO TWO b-JETS AT NNLO. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2015, vol. 46, no. 11, pp. 2097-2104., Registrované v: WOS

67. [1.1] WANG, Fei - WANG, Wenyu - YANG, Jin Min - ZHANG, Yang. Heavy colored SUSY partners from deflected anomaly mediation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 7, art. no. 138., Registrované v: WOS

68. [1.1] WANG, Fei - WANG, Wenyu - YANG, Jin Min. A split SUSY model from SUSY GUT. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 3, art. no. 050., Registrované v: WOS

69. [1.1] WANG, Fei - WANG, Wenyu - YANG, Jin Min. Solving the muon g-2 anomaly in deflected anomaly mediated SUSY breaking with messenger-matter interactions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075025., Registrované v: WOS

70. [1.1] WANG, Fei - WU, Lei - YANG, Jin Min - ZHANG, Mengchao. 750 GeV diphoton resonance, 125 GeV Higgs and muon g-2 anomaly in deflected anomaly mediation SUSY breaking scenarios. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 759, pp. 191-199., Registrované v: WOS

71. [1.1] WANG, Fei - YANG, Jin Min - ZHANG, Yang. Radiative natural SUSY spectrum from deflected AMSB scenario with messenger-matter interactions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 177., Registrované v: WOS

72. [1.1] WANG, Fei. Analytical soft SUSY spectrum in mirage-type mediation scenarios. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 062., Registrované v: WOS

73. [1.1] WANG, Fei. Deflected anomaly mediated SUSY breaking scenario with general messenger-matter interactions. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 751, pp. 402-407., Registrované v: WOS

74. [1.1] WEGNER, Gary A. - ONOFRIO, Roberto. Higgs shifts from electron-positron annihilations near neutron stars. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 7, art. no. 307., Registrované v: WOS

75. [1.1] WU, Lei - YANG, Jin Min - YUAN, C.P. - ZHANG, Mengchao. Higgs self-coupling in the MSSM and NMSSM after the LHC Run 1. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 378-389., Registrované v: WOS

76. [1.1] WU, Lei. Enhancing thj production from top-Higgs FCNC couplings. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 2, pp. 1-15., Registrované v: WOS

77. [1.1] YANG, Bingfang - HAN, Jinzhong. Revisiting $Zb(b)\overline{b}$ couplings in the littlest Higgs model with T parity under current experimental

- constraints. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055025., Registrované v: WOS
78. [1.1] YANG, Bingfang - HAN, Jinzhong - LIU, Ning. Lepton flavor violating Higgs boson decay $h \rightarrow \mu \tau$ in the littlest Higgs model with T parity. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035010., Registrované v: WOS
79. [1.1] YANG, Bingfang - LIU, Zhiyong - HAN, Jinzhong - YANG, Guang. Single Top and Higgs Associated Production in the Minimal B-L Model at the LHC. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 2613187., Registrované v: WOS
80. [1.1] ZHANG YAN-MING - LIU NING. SUSY-QCD Effects in Top Quark Pair Production in Association with a Gluon at the ILC. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2015, vol. 64, no. 2, pp. 166-170., Registrované v: WOS
81. [1.1] ZHANG, Y.Y. - VACHASPATI, T. - FERRER, F. Magnetic field production at a first-order electroweak phase transition. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 10 2019, vol. 100, no. 8., Registrované v: WOS
82. [1.1] ZHAO, Jun. The Higgs properties in the MSSM after the LHC Run-2. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 11, art. no. 1841001., Registrované v: WOS

ADCA89 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Combined Tevatron upper limit on $gg \rightarrow H \rightarrow W^+W^-$ and constraints on the Higgs boson mass in fourth-generation fermion models. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2010, vol. 82, no. 1, art. no. R011102. (2009: 4.922 - IF, 2.792 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.82.011102>

Ohlasy:

1. [1.1] CHECCHIA, Paolo. Implications of a 125 GeV Higgs boson. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 7, art. no. 1530003., Registrované v: WOS

ADCA90 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCÉI, Jozef - KLADIVA, Eduard - STRÍŽENEC, Pavol. Commissioning of the ATLAS Muon Spectrometer with cosmic rays. In *European Physical Journal C*, 2010, vol. 70, no. 3, p. 875-916. (2009: 2.746 - IF, Q2 - JCR, 1.859 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-010-1415-2>

Ohlasy:

1. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS
2. [1.1] KRASNOPEVTSEV, D. Studies of the gas volume current density in the ATLAS Resistive Plate Chamber detector during the 2018 data-taking at the LHC. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, OCT 2020, vol. 15, no. 10., Registrované v: WOS

ADCA91 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Comparison of Fragmentation Functions for Jets Dominated by Light Quarks and Gluons from pp and Pb plus Pb Collisions in ATLAS. In *Physical Review Letters*, 2019, vol. 123, no. 4, art. no. 042001. (2018: 9.227 - IF, Q1 - JCR, 3.571 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.123.042001>

Ohlasy:

1. [1.1] CHEN, W. - CAO, S.S. - LUO, T. - PANG, L.G. - WANG, X.N. Medium modification of gamma-jet fragmentation functions in Pb plus Pb collisions at LHC. In *PHYSICS LETTERS B*. ISSN 0370-2693, NOV 10 2020, vol. 810., Registrované v: WOS
2. [1.1] KANG, Z.B. - LEE, K. - TERRY, J. - XING, H.X. Jet fragmentation functions for Z-tagged jets. In *PHYSICS LETTERS B*. ISSN 0370-2693, NOV 10 2019, vol. 798., Registrované v: WOS
3. [1.1] KANG, Z.B. - LEE, K. - ZHAO, F.Y. Polarized jet fragmentation functions. In *PHYSICS LETTERS B*. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS
4. [1.1] KARPENKO, I. - AICHELIN, J. - GOSSIAUX, P. - ROHRMOSER, M. - WERNER, K. Jet overlap in heavy ion collisions at energies available at the CERN Large Hadron Collider and its consequences for the jet shape. In *PHYSICAL REVIEW C*. ISSN 2469-9985, JAN 9 2020, vol. 101, no. 1., Registrované v: WOS

ADCA92 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Comprehensive measurements of t-channel single top-quark production cross sections at root $S=7$ TeV with the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2014, vol. 90, no. 11, art. no. 112006. (2013: 4.864 - IF, Q1 - JCR, 2.482 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.90.112006>

Ohlasy:

1. [1.1] ABLAT, A. - DULAT, S. - RASHIDIN, R. - RUZI, A. - YALKUN, N. The Impact of Single Top Data on CT14nnlo PDFs. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, OCT 2020, vol. 59, no. 10, p. 3023-3031., Registrované v: WOS
2. [1.1] ALEKHIN, S. - BLUEMLEIN, J. - MOCH, S. - PLACAKYTE, R. Isospin asymmetry of quark distributions and implications for single top-quark production at the LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 114038., Registrované v: WOS
3. [1.1] ALEKHIN, S. - BLUEMLEIN, J. - MOCH, S. - PLACAKYTE, R. Parton distribution functions, $\alpha(s)$, and heavy-quark masses for LHC Run II. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 014011., Registrované v: WOS
4. [1.1] ALEKHIN, S. - MOCH, S. - THIER, S. Determination of the top-quark mass from hadro-production of single top-quarks. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2016, vol. 763, pp. 341-346., Registrované v: WOS
5. [1.1] BRIVIO, I. - BRUGGISSER, S. - MALTONI, F. - MOUTAFIS,

- R. - PLEHN, T. - VRYONIDOU, E. - WESTHOFF, S. - ZHANG, C. O new physics, where art thou? A global search in the top sector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 24 2020, no. 2., Registrované v: WOS
6. [1.1] BRIVIO, I. - TROTT, M. The standard model as an effective field theory. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, FEB 27 2019, vol. 793, p. 1-98., Registrované v: WOS
7. [1.1] BROWN, S. - ENGLERT, C. - GALLER, P. - STYLIANOU, P. Electroweak top couplings, partial compositeness, and top partner searches. In PHYSICAL REVIEW D. ISSN 1550-7998, OCT 19 2020, vol. 102, no. 7., Registrované v: WOS
8. [1.1] CARRAZZA, Stefano - FREDERIX, Rikkert - HAMILTON, Keith - ZANDERIGHI, Giulia. MINLO t-channel single-top plus jet. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 108., Registrované v: WOS
9. [1.1] CIRIGLIANO, V. - DEKENS, W. - DE VRIES, J. - MEREGHETTI, E. Constraining the top-Higgs sector of the standard model effective field theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 034031., Registrované v: WOS
10. [1.1] CIRIGLIANO, V. - DEKENS, W. - DE VRIES, J. - MEREGHETTI, E. Is there room for CP violation in the top-Higgs sector? In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 016002., Registrované v: WOS
11. [1.1] CLERBAUX, B. - FANG, W.X. - GIAMMANCO, A. - GOLDOUZIAN, R. Model-independent constraints on the CKM matrix elements vertical bar V-tb vertical bar, vertical bar V-ts vertical bar and vertical bar V-tt vertical bar. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 5 2019, no. 3., Registrované v: WOS
12. [1.1] DEGRANDE, Celine - MALTONI, Fabio - MIMASU, Ken - VRYONIDOU, Eleni - ZHANG, Cen. Single-top associated production with a Z or H boson at the LHC: the SMEFT interpretation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 005., Registrované v: WOS
13. [1.1] DEL DUCA, Vittorio - LAENEN, Eric. Top physics at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 35, art. no. 1530063., Registrované v: WOS
14. [1.1] D'ENTERRIA, David - KRAJCZAR, Krisztian - PAUKKUNEN, Hannu. Top-quark production in proton-nucleus and nucleus-nucleus collisions at LHC energies and beyond. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 746, pp. 64-72., Registrované v: WOS
15. [1.1] FREDERIX, R. - PAGANI, D. - TSINIKOS, I. Precise predictions for single-top production: the impact of EW corrections and QCD shower on the t-channel signature. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 17 2019, no. 9., Registrované v: WOS
16. [1.1] GIARDINO, Pier Paolo - ZHANG, Cen. Probing the top-quark width using the charge identification of b jets. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 011901., Registrované v: WOS
17. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410,

- 2017, vol. 95, pp. 48-97., Registrované v: WOS
18. [1.1] JUEID, Adil. Probing anomalous Wtb couplings at the LHC in single t-channel top quark production. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 053006., Registrované v: WOS
19. [1.1] KIDONAKIS, Nikolaos. Total and Differential Cross Sections for Higgs and Top-Quark Production. In *UNIVERSE*. ISSN 2218-1997, 2018, vol. 4, no. 11, art. no. 121., Registrované v: WOS
20. [1.1] KIDONAKIS, Nikolaos. Soft-gluon corrections in top-quark production. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2018, vol. 33, no. 25, art. no. 1830021., Registrované v: WOS
21. [1.1] LI, Chong Sheng. Resummation Prediction on Top Quark Transverse Momentum Distribution at Large $p(T)$. In *QCD HIGHER-ORDER EFFECTS AND SEARCH FOR NEW PHYSICS*. ISSN 2190-5053, 2016, pp. 73-106., Registrované v: WOS
22. [1.1] MARTINI, Till - UWER, Peter. The Matrix Element Method at next-to-leading order QCD for hadronic collisions: single top-quark production at the LHC as an example application. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2018, no. 5, art. no. 141., Registrované v: WOS
23. [1.1] NEUMANN, T. - SULLIVAN, Z. Off-shell single-top-quark production in the Standard Model Effective Field Theory. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, JUN 7 2019, no. 6., Registrované v: WOS
24. [1.1] NOCERA, E.R. - UBIALI, M. - VOISEY, C. Single top production in PDF fits. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, MAY 14 2020, no. 5., Registrované v: WOS
25. [1.1] PORTER, Frank C. Experimental status of the CKM matrix. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2016, vol. 91, pp. 101-135., Registrované v: WOS
26. [1.1] SAHA, Pratishruti - KIERS, Ken - BHATTACHARYA, Bhubanjyoti - LONDON, David - SZYNKMAN, Alejandro - MELENDEZ, Jordan. Measuring CP-violating observables in rare top decays at the LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 054044., Registrované v: WOS
27. [1.1] SAHA, Pratishruti - KIERS, Ken - SZYNKMAN, Alejandro. Single-top production and rare top interactions. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035003., Registrované v: WOS
28. [1.1] WAGNER-KUHR, Jeannine. EXPERIMENTAL STUDIES OF TOP QUARK PRODUCTION. In *ACTA PHYSICA SLOVACA*. ISSN 0323-0465, 2016, vol. 66, no. 1, pp. 1-68., Registrované v: WOS
29. [1.1] ZHANG, Cen. Single Top Production at Next-to-Leading Order in the Standard Model Effective Field Theory. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2016, vol. 116, no. 16, art. no. 162002., Registrované v: WOS

ADCA93 ACHARYA, S. - ADAM, J. - ADAMOVÁ, D. - ADOFSSON, J. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Constraining the magnitude of the Chiral Magnetic Effect with Event Shape Engineering in Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV. In *Physics Letters B*, 2018, vol. 777, p. 151-162. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current

Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na:
<https://doi.org/10.1016/j.physletb.2017.12.021>

Ohlasy:

1. [1.1] DENG, Wei-Tian - HUANG, Xu-Guang - MA, Guo-Liang - WANG, Gang. Predictions for isobaric collisions at root&ITsNN&IT=200 GeV from a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 4, art. no. 044901., Registrované v: WOS
2. [1.1] FENG, Yicheng - ZHAO, Jie - WANG, Fuqiang. Responses of the chiral-magnetic-effect-sensitive sine observable to resonance backgrounds in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034904., Registrované v: WOS
3. [1.1] FENG, Y.C. - ZHAO, J. - WANG, F.Q. Back-to-back relative-excess observable to identify the chiral magnetic effect. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 27 2020, vol. 101, no. 1., Registrované v: WOS
4. [1.1] KHARZEEV, Dmitri - TU, Zhoudunming - ZHANG, Aobo - LI, Wei. Effect of the fluctuating proton size on the study of the chiral magnetic effect in proton-nucleus collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 2, art. no. 024905., Registrované v: WOS
5. [1.1] LIU, Y.C. - HUANG, X.G. Anomalous chiral transports and spin polarization in heavy-ion collisions. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, MAY 23 2020, vol. 31, no. 6., Registrované v: WOS
6. [1.1] LI, W. - WANG, G. Chiral Magnetic Effects in Nuclear Collisions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 293-321., Registrované v: WOS
7. [1.1] MAGDY, N. - NIE, M.W. - HUANG, L. - MA, G.L. - LACEY, R.A. An extended R-Psi m((2)) (Delta S-2) correlator for detecting and characterizing the Chiral Magnetic Wave. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS
8. [1.1] MUELLER, Berndt - SCHAEFER, Andreas. Chiral magnetic effect and an experimental bound on the late time magnetic field strength. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 071902., Registrované v: WOS
9. [1.1] SADOOGHI, N. - SHOKRI, M. Rotating solutions of nonideal transverse Chern-Simons magnetohydrodynamics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 076011., Registrované v: WOS
10. [1.1] SHENG, X.L. - OLIVA, L. - WANG, Q. What can we learn from the global spin alignment of phi mesons in heavy-ion collisions?. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 12 2020, vol. 101, no. 9., Registrované v: WOS
11. [1.1] SCHENKE, Bjorn - SHEN, Chun - TRIBEDY, Prithwish. Multiparticle and charge-dependent azimuthal correlations in heavy-ion collisions at the Relativistic Heavy-Ion Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, art. no. 044908., Registrované v: WOS
12. [1.1] TRIBEDY, P. Status of CME Search Before Isobar Collisions and Methods of Blind Analysis From STAR. In 36TH WINTER WORKSHOP ON NUCLEAR DYNAMICS. ISSN 1742-6588, 2020, vol. 1602., Registrované v: WOS
13. [1.1] WANG, Fu-Qiang - ZHAO, Jie. Search for the chiral magnetic

- effect in heavy ion collisions. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2018, vol. 29, no. 12, art. no. 179., Registrované v: WOS
14. [1.1] XU, Hao-jie - WANG, Xiaobao - LI, Hanlin - ZHAO, Jie - LIN, Zi-Wei - SHEN, Caiwan - WANG, Fuqiang. Importance of Isobar Density Distributions on the Chiral Magnetic Effect Search. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 2, art. no. 022301., Registrované v: WOS
15. [1.1] YE, Y. J. - MA, Y. G. - TANG, A. H. - WANG, G. Effect of magnetic fields on pairs of oppositely charged particles in ultrarelativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, art. no. 044901., Registrované v: WOS
16. [1.1] ZHAO, Jie - LI, Hanlin - WANG, Fuqiang. Isolating the chiral magnetic effect from backgrounds by pair invariant mass. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 2, art. no. 168., Registrované v: WOS
17. [1.1] ZHAO, Jie - WANG, Fuqiang. Experimental searches for the chiral magnetic effect in heavy-ion collisions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 107, pp. 200-236., Registrované v: WOS
18. [1.1] ZHAO, J. - FENG, Y.C. - LI, H.L. - WANG, F.Q. HIJING can describe the anisotropy-scaled charge-dependent correlations at the BNL Relativistic Heavy Ion Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, MAR 16 2020, vol. 101, no. 3., Registrované v: WOS

ADCA94 ACHARYA, S. - ADAMOŤÁ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Constraints on jet quenching in p-Pb collisions at root s(NN)=5.02 TeV measured by the event-activity dependence of semi-inclusive hadron-jet distributions. In *Physics Letters B*, 2018, vol. 783, p. 95-113. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.05.059>

Ohlasy:

1. [1.1] ARTEM, I. Heavy flavor jets in ALICE. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, NOV 2020, vol. 29, no. 11, SI., Registrované v: WOS
2. [1.1] DAVID, G. Direct real photons in relativistic heavy ion collisions. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, APR 2020, vol. 83, no. 4., Registrované v: WOS
3. [1.1] PEREPELITSA, D.V. Connection between soft and hard probes of small collision systems at RHIC and LHC. In XLIX INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2019). ISSN 2100-014X, 2020, vol. 235., Registrované v: WOS
4. [1.1] QIU, Jian-Wei - RINGER, Felix - SATO, Nobuo - ZURITA, Pia. Factorization of Jet Cross Sections in Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 25, art. no. 252301., Registrované v: WOS
5. [1.1] STRICKLAND, Michael. Small system studies: A theory overview. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 92-98., Registrované v: WOS

6. [1.1] YI, Li. Study of Small Colliding Systems. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 85-91., Registrované v: WOS
7. [1.1] ZHAO, W.B. - KO, C.M. - LIU, Y.X. - QIN, G.Y. - SONG, H.C. Probing the Partonic Degrees of Freedom in High-Multiplicity p-Pb collisions at root s(NN)=5.02 TeV. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, AUG 12 2020, vol. 125, no. 7., Registrované v: WOS

ADCA95 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector. In *Journal of High Energy Physics*, 2015, vol. 2015, no. 11, art. no. 206. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP11\(2015\)206](https://doi.org/10.1007/JHEP11(2015)206)

Ohlasy:

1. [1.1] ALANNE, T. - HUGLE, T. - PLATSCHER, M. - SCHMITZ, K. Low-scale leptogenesis assisted by a real scalar singlet. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, MAR 2019, no. 3., Registrované v: WOS
2. [1.1] ARCADI, Giorgio - DUTRA, Maira - GHOSH, Pradipta - LINDNER, Manfred - MAMBRINI, Yann - PIERRE, Mathias - PROFUMO, Stefano - QUEIROZ, Farinaldo S. The waning of the WIMP? A review of models, searches, and constraints. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 203., Registrované v: WOS
3. [1.1] ARCADI, G. - DJOUADI, A. - RAIDAL, M. Dark Matter through the Higgs portal. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, FEB 3 2020, vol. 842, p. 1-180., Registrované v: WOS
4. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. - MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of heavy Higgs bosons decaying invisibly at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS
5. [1.1] AYYAR, Venkitesh - DEGRAND, Thomas - HACKETT, Daniel C. - JAY, William I. - NEIL, Ethan T. - SHAMIR, Yigal - SVETITSKY, Benjamin. Baryon spectrum of SU(4) composite Higgs theory with two distinct fermion representations. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 114505., Registrované v: WOS
6. [1.1] AYYAR, V. - DEGRAND, T. - HACKETT, D.C. - JAY, W.I. - NEIL, E.T. - SHAMIR, Y. - SVETITSKY, B. Partial compositeness and baryon matrix elements on the lattice. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 23 2019, vol. 99, no. 9., Registrované v: WOS
7. [1.1] BADZIAK, Marcin - OLECHOWSKI, Marek - SZCZERBIAK, Pawel. Is well-tempered neutralino in MSSM still alive after 2016 LUX results? In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 770, pp. 226-235., Registrované v: WOS
8. [1.1] BAEK, Seungwon - DAS, Arindam - NOMURA, Takaaki. Scalar dark matter search from the extended nu THDM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 205., Registrované v: WOS
9. [1.1] BAKER, M.J. - MITTNACHT, L. Variations on the vev

- flip-flop: instantaneous freeze-out and decaying dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 14 2019, no. 5.,
Registrované v: WOS
10. [1.1] BARMAN, Rahool Kumar - BELANGER, Genevieve - BHATTACHERJEE, Biplob - GODBOLE, Rohini - MENDIRATTA, Gaurav - SENGUPTA, Dipan. Invisible decay of the Higgs boson in the context of a thermal and nonthermal relic in MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095018., Registrované v: WOS
11. [1.1] BAUER, Martin - DIEFENBACHER, Sascha - PLEHN, Tilman - RUSSELL, Michael - CAMARGO, Daniel A. Dark matter in anomaly-free gauge extensions. In SCIPOST PHYSICS. ISSN 2542-4653, 2018, vol. 5, no. 4, art. no. 036., Registrované v: WOS
12. [1.1] BAUER, Martin - HAISCH, Ulrich - KAHLHOEFER, Felix. Simplified dark matter models with two Higgs doublets: I. Pseudoscalar mediators. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 5, art. no. 138., Registrované v: WOS
13. [1.1] BAUER, Martin - KLASSEN, Martin - TENORTH, Valentin. Universal properties of pseudoscalar mediators in dark matter extensions of 2HDMs. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 107., Registrované v: WOS
14. [1.1] BAUER, Martin - NEUBERT, Matthias - THAMM, Andrea. Collider probes of axion-like particles. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, vol., no. 12, art. no. 044., Registrované v: WOS
15. [1.1] BELL, Nicole F. - BUSONI, Giorgio - SANDERSON, Isaac W. Loop effects in direct detection. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 8, art. no. 017., Registrované v: WOS
16. [1.1] BELL, Nicole F. - BUSONI, Giorgio - SANDERSON, Isaac W. Two Higgs doublet dark matter portal. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 1, art. no. 015., Registrované v: WOS
17. [1.1] BENAKLI, Karim - GOODSELL, Mark D. - WILLIAMSON, Sophie L. Higgs alignment from extended supersymmetry. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 8, art. no. 658., Registrované v: WOS
18. [1.1] BERLIN, A. - BLINOV, N. Thermal neutrino portal to sub-MeV dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 23 2019, vol. 99, no. 9., Registrované v: WOS
19. [1.1] BERNREUTHER, Elias - HORAK, Jan - PLEHN, Tilman - BUTTER, Anja. Actual physics behind mono-X. In SCIPOST PHYSICS. ISSN 2542-4653, 2018, vol. 5, no. 4, art. no. 034., Registrované v: WOS
20. [1.1] BIEKOETTER, Anke - KEILBACH, Fabian - MOUTAFIS, Rhea - PLEHN, Tilman - THOMPSON, Jennifer M. Tagging Jets in Invisible Higgs Searches. In SCIPOST PHYSICS. ISSN 2542-4653, 2018, vol. 4, no. 6, art. no. 035., Registrované v: WOS
21. [1.1] BORAH, Debasish - GUPTA, Aritra. New viable region of an inert Higgs doublet dark matter model with scotogenic extension. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 115012., Registrované v: WOS

22. [1.1] BORAH, Debasish - KARMAKAR, Biswajit - NANDA, Dibyendu. Common origin of dirac neutrino mass and freeze-in massive particle dark matter. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 7, art. no. 039., Registrované v: WOS
23. [1.1] BORAH, D. - DASGUPTA, A. Left-right symmetric models with a mixture of keV-TeV dark matter. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, OCT 2019, vol. 46, no. 10., Registrované v: WOS
24. [1.1] BRIVIO, I. - GAVELA, M. B. - MERLO, L. - MIMASU, K. - NO, J. M. - DEL REY, R. - SANZ, V. ALPs effective field theory and collider signatures. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 8, art. no. 572., Registrované v: WOS
25. [1.1] BRIVIO, I. - TROTT, M. The standard model as an effective field theory. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, FEB 27 2019, vol. 793, p. 1-98., Registrované v: WOS
26. [1.1] CAI, H.Y. - NOMURA, T. - OKADA, H. A neutrino mass model with hidden U (1) gauge symmetry. In NUCLEAR PHYSICS B. ISSN 0550-3213, DEC 2019, vol. 949., Registrované v: WOS
27. [1.1] CAMPBELL, Robyn - GODFREY, Stephen - LOGAN, Heather E. - POULIN, Alexandre. Real singlet scalar dark matter extension of the Georgi-Machacek model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 016005., Registrované v: WOS
28. [1.1] COSME, Catarina - ROSA, Joao G. - BERTOLAMI, O. Scale-invariant scalar field dark matter through the Higgs portal. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 129., Registrované v: WOS
29. [1.1] COSME, C. - ROSA, J.G. - BERTOLAMI, O. Can dark matter drive electroweak symmetry breaking?. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 9 2020, vol. 102, no. 6., Registrované v: WOS
30. [1.1] COX, Peter - HAN, Chengcheng - YANAGIDA, Tsutomu T. Right-handed neutrino dark matter in a U(1) extension of the Standard Model. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 1, art. no. 029., Registrované v: WOS
31. [1.1] CRAIG, N. - GARCIA, I.G. - KOREN, S. The weak scale from weak gravity. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 11 2019, no. 9., Registrované v: WOS
32. [1.1] CUOCO, Alessandro - HEISIG, Jan - KORSMEIER, Michael - KRAEMER, Michael. Probing dark matter annihilation in the Galaxy with antiprotons and gamma rays. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2017, no. 10, art. no. 053., Registrované v: WOS
33. [1.1] DARVISHI, Neda - KRAWCZYK, Maria. Implication of quadratic divergences cancellation in the two Higgs doublet model. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 926, pp. 167-178., Registrované v: WOS
34. [1.1] DAS, Siba Prasad - NOWAKOWSKI, Marek. Light neutral CP-even Higgs boson within the next-to-minimal supersymmetric standard model at the Large Hadron Electron Collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 055014., Registrované v: WOS

35. [1.1] DAS, S.P. - FRAGA, J.F. - AVILA, C. Production of a light top-squark pair in association with a light non-SM Higgs boson within the NMSSM from proton-proton collisions at $\sqrt{s}=13$ TeV and 33 TeV. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, AUG 10 2019, vol. 34, no. 22., Registrované v: WOS
36. [1.1] DAWSON, S. - ENGLERT, C. - PLEHN, T. Higgs physics: It ain't over till it is over. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, JUL 3 2019, vol. 816, p. 1-85., Registrované v: WOS
37. [1.1] DAWSON, S. - LEWIS, I. M. Singlet model interference effects with high scale UV physics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015004., Registrované v: WOS
38. [1.1] DAWSON, S. - SULLIVAN, M. Enhanced di-Higgs boson production in the complex Higgs singlet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 015022., Registrované v: WOS
39. [1.1] DE CURTIS, S. - DELLE ROSE, L. - PANICO, G. Composite dynamics in the early Universe. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 20 2019, no. 12., Registrované v: WOS
40. [1.1] DEL DEBBIO, Luigi - ENGLERT, Christoph - ZWICKY, Roman. A UV complete compositeness scenario: LHC constraints meet the lattice. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 142., Registrované v: WOS
41. [1.1] DI LUZIO, Luca - GROBER, Ramona - SPANNOVSKY, Michael. Maxi-size the trilinear Higgs self-coupling: how large could it be? In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 11, art. no. 788., Registrované v: WOS
42. [1.1] DICK, Rainer. Direct signals from electroweak singlets through the Higgs portal. In INTERNATIONAL JOURNAL OF MODERN PHYSICS D. ISSN 0218-2718, 2018, vol. 27, no. 16, art. no. 1830008., Registrované v: WOS
43. [1.1] DIFRANZO, Anthony - MOHLABENG, Gopolang. Multi-component dark matter through a radiative Higgs portal. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 1, art. no. 080., Registrované v: WOS
44. [1.1] DJOUADI, A. - ELLIS, J. - POPOV, A. - QUEVILLON, J. Interference effects in $t(\bar{t})$ production at the LHC as a window on new physics. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 21 2019, no. 3., Registrované v: WOS
45. [1.1] DWIVEDI, Siddharth - MONDAL, Subhadeep - MUKHOPADHYAYA, Biswarup. Exploring anomalous $h(b\bar{b})$ and $h(b\bar{b})\gamma$ couplings in the context of the LHC and an $e(+)e(-)$ collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015035., Registrované v: WOS
46. [1.1] EGANA-UGRINOVIC, Daniel. The minimal fermionic model of electroweak baryogenesis. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 12, pp. 1-37., Registrované v: WOS
47. [1.1] EGANA-UGRINOVIC, Daniel - LOW, Matthew - RUDERMAN, Joshua T. Charged fermions below 100 GeV. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 012., Registrované v: WOS
48. [1.1] EITENEUER, Benedikt - GOUDELIS, Andreas - HEISIG, Jan.

- The inert doublet model in the light of Fermi-LAT gamma-ray data: a global fit analysis. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 624., Registrované v: WOS
49. [1.1] ENGLERT, Christoph - SCHICHTEL, Peter - SPANNOWSKY, Michael. Same-sign W pair production in composite Higgs models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055002., Registrované v: WOS
50. [1.1] ESSIG, Rouven - MEADE, Patrick - RAMANI, Harikrishnan - ZHONG, Yi-Ming. Higgs-precision constraints on colored naturalness. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 9, art. no. 085., Registrované v: WOS
51. [1.1] FRANCIS, Anthony - HUDSPITH, Renwick J. - LEWIS, Randy - TULIN, Sean. Dark matter from strong dynamics: the minimal theory of dark baryons. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 118., Registrované v: WOS
52. [1.1] GARG, Ila - GOSWAMI, Srubabati - VISHNUDATH, K. N. - KHAN, Najimuddin. Electroweak vacuum stability in presence of singlet scalar dark matter in TeV scale seesaw models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 055020., Registrované v: WOS
53. [1.1] GEHRLEIN, Julia - GONCALVES, Dorival - MACHADO, Pedro A. N. - PEREZ-GONZALEZ, Yuber F. Natural and dynamical neutrino mass mechanism at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035045., Registrované v: WOS
54. [1.1] GOLTERMAN, Maarten - SHAMIR, Yigal. Effective potential in ultraviolet completions for composite Higgs models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095005., Registrované v: WOS
55. [1.1] GONCALVES, Dorival - MACHADO, Pedro A. N. - NO, Jose Miguel. Simplified models for dark matter face their consistent completions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055027., Registrované v: WOS
56. [1.1] GONCALVES, D. - NAKAMURA, J. Boosting the H \rightarrow invisibles searches with Z boson polarization. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 18 2019, vol. 99, no. 5., Registrované v: WOS
57. [1.1] HARDY, Edward. Higgs portal dark matter in non-standard cosmological histories. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 043., Registrované v: WOS
58. [1.1] HEISIG, J. - KRAML, S. - LESSA, A. Constraining new physics with searches for long-lived particles: Implementation into SModelS. In PHYSICS LETTERS B. ISSN 0370-2693, JAN 10 2019, vol. 788, p. 87-95., Registrované v: WOS
59. [1.1] HOFERICHTER, Martin - KLOS, Philipp - MENENDEZ, Javier - SCHWENK, Achim. Improved Limits for Higgs-Portal Dark Matter from LHC Searches. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 18, art. no. 181803., Registrované v: WOS
60. [1.1] HOU, J.X. - YUE, C.X. The signatures of the new particles h(2) and Z(mu tau) at e-p colliders in the U(1)(L mu - L tau) model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 2019, vol. 79, no. 12., Registrované v: WOS
61. [1.1] HUNG, H.T. - HONG, T.T. - PHUONG, H.H. - MAI, H.L.T. - HUE, L.T. Neutral Higgs boson decays H \rightarrow Z gamma,gamma gamma in 3-3-1

- models. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS
62. [1.1] CHAKRABORTI, S. - ISLAM, R. Multilepton signatures for scalar dark matter searches in coannihilation scenario. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 25 2020, vol. 101, no. 11., Registrované v: WOS
63. [1.1] CHAKRABORTY, Indrani - MUKHOPADHYAYA, Biswarup - MONDAL, Subhadeep. Lepton flavor violating Higgs boson decay at $e(+)e(-)$ colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 115020., Registrované v: WOS
64. [1.1] CHANG, Chia-Feng - HE, Xiao-Gang - TANDEAN, Jusak. Exploring spin-3/2 dark matter with effective Higgs couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075026., Registrované v: WOS
65. [1.1] CHOI, Soo-Min - KANG, Yoo-Jin - LEE, Hyun Min - RO, Tae-Gyu. Lepto-quark portal dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 104., Registrované v: WOS
66. [1.1] CHUN, Eung Jin - DWIVEDI, Siddharth - MONDAL, Tanmoy - MUKHOPADHYAYA, Biswarup. Reconstructing a light pseudoscalar in the Type-X two Higgs doublet model. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 774, pp. 20-25., Registrované v: WOS
67. [1.1] ISHIDA, H. - MATSUZAKI, S. - OUYANG, R.W. Unified interpretation of scalegenesis in conformally extended standard models: a dynamical origin of Higgs portal *. In CHINESE PHYSICS C. ISSN 1674-1137, NOV 2020, vol. 44, no. 11., Registrované v: WOS
68. [1.1] IVANOV, Igor P. Building and testing models with extended Higgs sectors. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 160-208., Registrované v: WOS
69. [1.1] JENNICHES, Laura - STURM, Christian - UCCIRATI, Sandro. Electroweak corrections in the 2HDM for neutral scalar Higgs-boson production through gluon fusion. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 017., Registrované v: WOS
70. [1.1] KAHLHOEFER, Felix. Review of LHC dark matter searches. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 13, art. no. 1730006., Registrované v: WOS
71. [1.1] KANEMURA, Shinya - KIKUCHI, Mariko - MAWATARI, Kentarou - SAKURAI, Kodai - YAGYU, Kei. Loop effects on the Higgs decay widths in extended Higgs models. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 140-149., Registrované v: WOS
72. [1.1] KANEMURA, S. - MAWATARI, K. - SAKURAI, K. Single Higgs production in association with a photon at electron-positron colliders in extended Higgs models. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 15 2019, vol. 99, no. 3., Registrované v: WOS
73. [1.1] KIM, Yeong Gyun - LEE, Kang Young - NAM, Soo-hyeon. Singlet fermionic dark matter with Veltman conditions. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 782, pp. 316-323., Registrované v: WOS
74. [1.1] KO, P. - LI, Gang - LI, Jinmian. Impact of the 125 GeV Higgs boson on singlet fermion dark matter searches at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 055031., Registrované v: WOS
75. [1.1] KRNJAIC, Gordan. Freezing in, heating up, and freezing out:

- predictive nonthermal dark matter and low-mass direct detection. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 136., Registrované v: WOS
76. [1.1] LANDIM, R.G. - RIZZO, T.G. Thick branes in extra dimensions and suppressed dark couplings. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 21 2019, no. 6., Registrované v: WOS
77. [1.1] LEWIS, Ian M. - SULLIVAN, Matthew. Benchmarks for double Higgs production in the singlet-extended standard model at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035037., Registrované v: WOS
78. [1.1] MOLINARO, Emiliano - SANNINO, Francesco - THOMSEN, Anders Eller - VIGNAROLI, Natascia. Uncovering new strong dynamics via topological interactions at the 100 TeV collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075040., Registrované v: WOS
79. [1.1] NANDA, Dibyendu - BORAH, Debasish. Common origin of neutrino mass and dark matter from anomaly cancellation requirements of a $U(1)(B-L)$ model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 115014., Registrované v: WOS
80. [1.1] NOMURA, T. - SHIMOMURA, T. Searching for scalar boson decaying into light Z' boson at collider experiments in $U(1)(L\mu-L\tau)$ model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 13 2019, vol. 79, no. 7., Registrované v: WOS
81. [1.1] OUYANG, R.W. - MATSUZAKI, S. Enhanced di-Higgs signal from hidden scalar QCD at leading-order in the scale-symmetry limit. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 29 2019, vol. 99, no. 7., Registrované v: WOS
82. [1.1] PANICO, Giuliano - RIEMBAU, Marc - VANTALON, Thibaud. Probing light top partners with CP violation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 056., Registrované v: WOS
83. [1.1] POZZO, G. - ZHANG, Y. Constraining resonant dark matter with combined LHC electroweakino searches. In PHYSICS LETTERS B. ISSN 0370-2693, FEB 10 2019, vol. 789, p. 582-591., Registrované v: WOS
84. [1.1] RIZZO, T.G. Kinetic mixing and portal matter phenomenology. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 18 2019, vol. 99, no. 11., Registrované v: WOS
85. [1.1] SANCHEZ-VELEZ, R. - TAVARES-VELASCO, G. Decays $A \rightarrow Z \gamma \gamma$ and $\phi \rightarrow Z \gamma \gamma$ ($\phi = h, H$) in two-Higgs doublet models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095038., Registrované v: WOS
86. [1.1] SANCHEZ-VELEZ, R. - TAVARES-VELASCO, G. Decay $\phi \rightarrow Z \gamma \gamma$ ($\phi = h, H, A$) in the minimal supersymmetric standard model. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 19 2019, vol. 99, no. 5., Registrované v: WOS
87. [1.1] SOKOLOWSKA, Dorota. Dark Matter and CP-violation in the Three-Higgs Doublet Model. In FIFTH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES. ISSN 1742-6588, 2017, vol. 873, art. no. UNSP 012030., Registrované v: WOS
88. [1.1] SPANNOWSKY, Michael - TAMARIT, Carlos. Sphalerons in composite and nonstandard Higgs models. In PHYSICAL REVIEW D. ISSN

- 2470-0010, 2017, vol. 95, no. 1, art. no. 015006., Registrované v: WOS
89. [1.1] TUNNEY, Patrick - NO, Jose Miguel - FAIRBAIRN, Malcolm. Probing the pseudoscalar portal to dark matter via (b)over-barbZ(-> ll) + (E)over-bar(T) : From the LHC to the Galactic Center excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 095020., Registrované v: WOS
90. [1.1] VOIGT, Alexander - WESTHOFF, Susanne. Virtual signatures of dark sectors in Higgs couplings. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 11, art. no. 009., Registrované v: WOS
91. [1.1] YAMANAKA, N. - IIDA, H. - NAKAMURA, A. - WAKAYAMA, M. Glueball scattering cross section in lattice SU(2) Yang-Mills theory. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 15 2020, vol. 102, no. 5., Registrované v: WOS
92. [1.1] YIN, W. Dark matter, neutrino mass, cutoff for cosmic-ray neutrino, and the Higgs boson invisible decay from a neutrino portal interaction. In CHINESE PHYSICS C. ISSN 1674-1137, APR 2019, vol. 43, no. 4., Registrované v: WOS
93. [1.1] YIN, W. Highly-boosted dark matter and cutoff for cosmic-ray neutrinos through neutrino portal. In XX INTERNATIONAL SYMPOSIUM ON VERY HIGH ENERGY COSMIC RAY INTERACTIONS (ISVHECRI 2018). ISSN 2100-014X, 2019, vol. 208., Registrované v: WOS

ADCA96 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Constraints on non-Standard Model Higgs boson interactions in an effective Lagrangian using differential cross sections measured in the H -gamma gamma decay channel at root s=8 TeV with the ATLAS detector. In *Physics Letters B*, 2016, vol. 753, p. 69-85. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2015.11.071>

Ohlasy:

1. [1.1] ALVAREZ, Ezequiel - FAROUGHY, Darius A. - KAMENIK, Jernej F. - MORALES, Roberto - SZYNKMAN, Alejandro. Four tops for LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 915, pp. 19-43., Registrované v: WOS
2. [1.1] AZATOV, Aleksandr - CONTINO, Roberto - MACHADO, Camila S. - RIVA, Francesco. Helicity selection rules and noninterference for BSM amplitudes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 6, art. no. 065014., Registrované v: WOS
3. [1.1] BISHARA, Fady - CONTINO, Roberto - ROJO, Juan. Higgs pair production in vector-boson fusion at the LHC and beyond. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 7, art. no. 481., Registrované v: WOS
4. [1.1] DATTA, Amitava - GANGULY, Nabanita - KHAN, Najimuddin - RAKSHIT, Subhendu. Exploring collider signatures of the inert Higgs doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015017., Registrované v: WOS
5. [1.1] DEGRANDE, Celine - FUKS, Benjamin - MAWATARI, Kentarou - MIMASU, Ken - SANZ, Veronica. Electroweak Higgs boson production in the standard model effective field theory beyond leading order in

- QCD. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 4, art. no. 262., Registrované v: WOS
6. [1.1] DENIZLI, H. - OYULMAZ, K.Y. - SENOL, A. Testing for observability of Higgs effective couplings in triphoton production at FCC-hh. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, OCT 2019, vol. 46, no. 10., Registrované v: WOS
7. [1.1] DENIZLI, H. - SENOL, A. Constraints on Higgs Effective Couplings in $H \nu(\nu)\text{-bar}$ Production of CLIC at 380 GeV. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2018, art. no. 1627051., Registrované v: WOS
8. [1.1] DEV, P. S. Bhupal - MOHAPATRA, Rabindra N. - ZHANG, Yongchao. Leptogenesis constraints on B L breaking Higgs boson in TeV scale seesaw models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 122., Registrované v: WOS
9. [1.1] DWIVEDI, Siddharth - MONDAL, Subhadeep - MUKHOPADHYAYA, Biswarup. Exploring anomalous $h b(b)\text{-bar}$ and $h b(b)\text{-bar}$ gamma couplings in the context of the LHC and an $e(+)e(-)$ collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015035., Registrované v: WOS
10. [1.1] FERREIRA, Felipe - FICHET, Sylvain - SANZ, Veronica. On new physics searches with multidimensional differential shapes. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 778, pp. 35-42., Registrované v: WOS
11. [1.1] HAISCH, U. - HALA, A. Bounds on CP-violating Higgs-gluon interactions: the case of vanishing light-quark Yukawa couplings. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 21 2019, no. 11., Registrované v: WOS
12. [1.1] KARADENIZ, O. - SENOL, A. - OYULMAZ, K.Y. - DENIZLI, H. CP-violating Higgs-gauge boson couplings in $H \nu(\nu)\text{-bar}$ production at three energy stages of CLIC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 11 2020, vol. 80, no. 3., Registrované v: WOS
13. [1.1] KAWABATA, Sayaka - YOKOYA, Hiroshi. Top-quark mass from the diphoton mass spectrum. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 5, art. no. 323., Registrované v: WOS
14. [1.1] NAKAMURA, Junya. Polarisation of the Z and W bosons in the processes $pp \rightarrow ZH$ and $pp \rightarrow (WH)\text{-}H\text{-}/\text{-}$. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 008., Registrované v: WOS
15. [1.1] NEUMANN, Tobias - WILLIAMS, Ciaran. Higgs bosons at high $p(T)$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 014004., Registrované v: WOS
16. [1.1] NEUMANN, Tobias. NLO Higgs+jet production at large transverse momenta including top quark mass effects. In JOURNAL OF PHYSICS COMMUNICATIONS. ISSN 2399-6528, 2018, vol. 2, no. 9, art. no. 095017., Registrované v: WOS

ADCA97 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Constraints on off-shell Higgs boson production and the Higgs boson total width in $ZZ - 4l$ and $ZZ - 2l2\nu$ final states with the ATLAS detector. In *Physics Letters B*, 2018, vol. 786, p. 223-244. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR,

Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.09.048>

Ohlasy:

1. [1.1] AGUGLIARO, A. - CACCIAPAGLIA, G. - DEANDREA, A. - DE CURTIS, S. Vacuum misalignment and pattern of scalar masses in the SU(5)/SO(5) composite Higgs model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 14 2019, no. 2., Registrované v: WOS
2. [1.1] ARPINO, L. - BANFI, A. - JAGER, S. - KAUER, N. BSM WW production with a jet veto. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 13 2019, no. 8., Registrované v: WOS
3. [1.1] COYLE, N.M. - WAGNER, C.E.M. - WEI, V. Bounding the charm Yukawa coupling. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 24 2019, vol. 100, no. 7., Registrované v: WOS
4. [1.1] GRAZZINI, M. - KALLWEIT, S. - WIESEMANN, M. - YOOK, J.Y. ZZ production at the LHC: NLO QCD corrections to the loop-induced gluon fusion channel. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 13 2019, no. 3., Registrované v: WOS
5. [1.1] GROBER, R. - MAIER, A. - RAUH, T. Top quark mass effects in $gg \rightarrow ZZ$ at two loops and off-shell Higgs boson interference. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 10 2019, vol. 100, no. 11., Registrované v: WOS
6. [1.1] LEE, S.J. - PARK, M. - QIAN, Z. Probing unitarity violation in the tail of the off-shell Higgs boson in VLVL mode. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 16 2019, vol. 100, no. 1., Registrované v: WOS

ADCA98 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Constraints on the off-shell Higgs boson signal strength in the high-mass ZZ and WW final states with the ATLAS detector. In *European Physical Journal C*, 2015, vol. 75, no. 7, art. no. 335. (2014: 5.084 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-015-3542-2>

Ohlasy:

1. [1.1] ALMEIDA, E.D. - EBOLI, O.J.P. - GONZALEZ-GARCIA, M.C. Impact of fermionic operators on the Higgs boson width measurement. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 8 2020, vol. 102, no. 11., Registrované v: WOS
2. [1.1] BHATTIPROLU, P.N. - MARTIN, S.P. Signal-background interference for digluon resonances at the Large Hadron Collider. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 16 2020, vol. 102, no. 1., Registrované v: WOS
3. [1.1] BOJARSKI, F. - CHALONS, G. - LOPEZ-VAL, D. - ROBENS, T. Heavy to light Higgs boson decays at NLO in the singlet extension of the Standard Model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 2, art. no. 147., Registrované v: WOS
4. [1.1] BOTELLA, Francisco J. - CORNET-GOMEZ, Fernando - NEBOT, Miguel. Flavor conservation in two-Higgs-doublet models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035046., Registrované v: WOS
5. [1.1] BOTELLA, F.J. - CORNET-GOMEZ, F. - NEBOT, M. Electron

and muon g-2 anomalies in general flavor conserving two-Higgs-doublet models. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 24 2020, vol. 102, no. 3., Registrované v: WOS

6. [1.1] BRIVIO, I. - TROTT, M. The standard model as an effective field theory. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, FEB 27 2019, vol. 793, p. 1-98., Registrované v: WOS

7. [1.1] BURRAGE, Clare - COPELAND, Edmund J. - MILLINGTON, Peter - SPANNOVSKY, Michael. Fifth forces, Higgs portals and broken scale invariance. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 11, art. no. 036., Registrované v: WOS

8. [1.1] CAOLA, Fabrizio - MELNIKOV, Kirill - ROENTSCH, Raoul - TANCREDI, Lorenzo. QCD corrections to ZZ production in gluon fusion at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 094028., Registrované v: WOS

9. [1.1] CAOLA, Fabrizio - MELNIKOV, Kirill - ROENTSCH, Raoul - TANCREDI, Lorenzo. QCD corrections to W+W- production through gluon fusion. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 754, pp. 275-280., Registrované v: WOS

10. [1.1] DAWSON, S. - ENGLERT, C. - PLEHN, T. Higgs physics: It ain't over till it is over. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, JUL 3 2019, vol. 816, p. 1-85., Registrované v: WOS

11. [1.1] DE MONCHENAULT, Gautier Hamel. Electroweak Measurements at the LHC. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 67. ISSN 0163-8998, 2017, vol. 67, pp. 19-44., Registrované v: WOS

12. [1.1] DI VITA, S. - GROJEAN, C. - PANICO, G. - RIEMBAU, M. - VANTALON, T. A global view on the Higgs self-coupling. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 9, art. no. 069., Registrované v: WOS

13. [1.1] DRUTSKOY, A.G. Experiments at the ILC linear collider: expected physical results. In PHYSICS-USPEKHI. ISSN 1063-7869, 2019, vol. 62, no. 5, p. 450-464., Registrované v: WOS

14. [1.1] DUTTA, S. - GOYAL, A. - SINGH, M.P. Lepto-philic 2-HDM + singlet scalar portal induced fermionic dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 15 2019, no. 7., Registrované v: WOS

15. [1.1] D'ENTERRIA, D. - SHAO, H.S. Rare two-body decays of the top quark into a bottom meson plus an up or charm quark. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 20 2020, no. 7., Registrované v: WOS

16. [1.1] EASA, H. - GREGOIRE, T. - STOLARSKI, D. New limits on coloured three jet resonances. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 21 2020, no. 9., Registrované v: WOS

17. [1.1] ENGLERT, Christoph - NORDSTROM, Karl - SAKURAI, Kazuki - SPANNOVSKY, Michael. Perturbative Higgs coupling CP violation, unitarity, and phenomenology. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015018., Registrované v: WOS

18. [1.1] GAINER, James S. - GONZALEZ-ALONSO, Martn -

- GRELJO, Admir - ISAKOVIC, Senad - ISIDORI, Gino - KORYTOV, Andrey - LYKKEN, Joseph - MARZOCCA, David - MATCHEV, Konstantin T. - MILENOVIC, Predrag - MITSELMAKHER, Guenakh - MRENNNA, Stephen - PARK, Myeonghun - RINKEVICIUS, Aurelijus - SELIMOVIC, Nudzeim. Adding pseudo-observables to the four-lepton experimentalist's toolbox. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 073., Registrované v: WOS
19. [1.1] GAULD, Rhorry - PECJAK, Benjamin D. - SCOTT, Darren J. QCD radiative corrections for $h \rightarrow b(b)\text{-bar}$ in the standard model dimension-6 effective field theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 074045., Registrované v: WOS
20. [1.1] GEHRLEIN, J. - PIERRE, M. A testable hidden-sector model for Dark Matter and neutrino masses. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 11 2020, no. 2., Registrované v: WOS
21. [1.1] HAISCH, Ulrich - MALINAUSKAS, Augustinas. Let there be light from a second light Higgs doublet. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 135., Registrované v: WOS
22. [1.1] HAN, Xiao-Fang - WANG, Lei - YANG, Jin Min. An extension of two-Higgs-doublet model and the excesses of 750 GeV diphoton, muon $g-2$ and $h \rightarrow \mu \tau$. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 757, pp. 537-547., Registrované v: WOS
23. [1.1] HARLAND-LANG, L. A. - KHOZE, V. A. - RYSKIN, M. G. - SPANNOVSKY, M. Jet activity as a probe of high-mass resonance production. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 11, art. no. 623., Registrované v: WOS
24. [1.1] HE, H.R. - WAN, X. - WANG, Y.K. Anomalous $H \rightarrow ZZ \rightarrow 4l$ decay and its interference effects on gluon-gluon contribution at the LHC. In CHINESE PHYSICS C. ISSN 1674-1137, DEC 2020, vol. 44, no. 12., Registrované v: WOS
25. [1.1] ILNICKA, Agnieszka - KRAWCZYK, Maria - ROBENS, Tania. Inert doublet model in light of LHC Run I and astrophysical data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055026., Registrované v: WOS
26. [1.1] KITAHARA, Teppei - YAMAMOTO, Yasuhiro. Protophobic light vector boson as a mediator to the dark sector. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015008., Registrované v: WOS
27. [1.1] LOGAN, Heather E. Hiding a Higgs width enhancement from off-shell $gg(\rightarrow h^*) \rightarrow ZZ$ measurements. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 075038., Registrované v: WOS
28. [1.1] MARIOTTI, Chiara - PASSARINO, Giampiero. Higgs boson couplings: Measurements and theoretical interpretation. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 4, art. no. 1730003., Registrované v: WOS
29. [1.1] MARTIN, Stephen P. Signal-background interference for a singlet spin-0 digluon resonance at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035003., Registrované v: WOS
30. [1.1] QUIGG, Chris. Future colliders symposium in Hong Kong: Scientific overview. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 33, art. no. 1644001., Registrované v: WOS

31. [1.1] TORASSA, Ezio. The Standard Model and Higgs physics. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 69-106., Registrované v: WOS

ADCA99 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Correlated Event-by-Event Fluctuations of Flow Harmonics in Pb-Pb Collisions at root s(NN)=2.76 TeV. In *Physical Review Letters*, 2016, vol. 117, no. 18, art. no. 182301. (2015: 7.645 - IF, Q1 - JCR, 4.656 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.117.182301>

Ohlasy:

1. [1.1] ALBACETE, Javier L. - PETERSEN, Hannah - SOTO-ONTOSO, Alba. Symmetric cumulants as a probe of the proton substructure at LHC energies. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 778, pp. 128-136., Registrované v: WOS
2. [1.1] ALBA, P. - SARTI, V. Mantovani - NORONHA, J. - NORONHA-HOSTLER, J. - PAROTTO, P. - VAZQUEZ, I. Portillo - RATTI, C. Effect of the QCD equation of state and strange hadronic resonances on multiparticle correlations in heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034909., Registrované v: WOS
3. [1.1] BERNHARD, Jonah E. - MORELAND, J. Scott - BASS, Steffen A. Bayesian estimation of the specific shear and bulk viscosity of quark-gluon plasma. In NATURE PHYSICS. ISSN 1745-2473, 2019, vol. 15, no. 11, pp. 1113-+., Registrované v: WOS
4. [1.1] BHADURY, S. - KURIAN, M. - CHANDRA, V. - JAISWAL, A. First order dissipative hydrodynamics and viscous corrections to the entropy four-current from an effective covariant kinetic theory. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, AUG 2020, vol. 47, no. 8., Registrované v: WOS
5. [1.1] BHALERAO, Rajeev S. - GIACALONE, Giuliano - OLLITRAULT, Jean-Yves. Primordial non-Gaussianity in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 1., Registrované v: WOS
6. [1.1] BOZEK, Piotr. Principal component analysis of the nonlinear coupling of harmonic modes in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034905., Registrované v: WOS
7. [1.1] CARZON, P. - RAO, S. - LUZUM, M. - SIEVERT, M. - NORONHA-HOSTLER, J. Possible octupole deformation of Pb-208 and the ultracentral v(2) to v(3) puzzle. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 9 2020, vol. 102, no. 5., Registrované v: WOS
8. [1.1] CASTILHO, Wagner M. - QIAN, Wei-Liang - GARDIM, Fernando G. - HAMA, Yojiro - KODAMA, Takeshi. Hydrodynamic approach to the centrality dependence of di-hadron correlations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 064908., Registrované v: WOS
9. [1.1] CASTILHO, Wagner M. - QIAN, Wei-Liang - HAMA, Yojiro - KODAMA, Takeshi. Event-plane dependent di-hadron correlations with harmonic v(n) subtraction in a hydrodynamic model. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 777, pp. 369-373., Registrované v: WOS

10. [1.1] DI FRANCESCO, Philippe - GUILBAUD, Maxime - LUZUM, Matthew - OLLITRAULT, Jean-Yves. Systematic procedure for analyzing cumulants at any order. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 4, art. no. 044911., Registrované v: WOS
11. [1.1] DUSLING, Kevin - MACE, Mark - VENUGOPALAN, Raju. Parton model description of multiparticle azimuthal correlations in pA collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 016014., Registrované v: WOS
12. [1.1] ESKOLA, K. J. - NIEMI, H. - PAATELAINEN, R. - TUOMINEN, K. Latest results from the EbyE NLO EKRT model. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 313-316., Registrované v: WOS
13. [1.1] GARDIM, Fernando G. - GRASSI, Frederique - LUZUM, Matthew - NORONHA-HOSTLER, Jacquelyn. Mixed Harmonic Correlations: Hydrodynamic Predictions at RHIC using Experimental Analysis Techniques. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 389-392., Registrované v: WOS
14. [1.1] GARDIM, Fernando G. - GRASSI, Frederique - LUZUM, Matthew - NORONHA-HOSTLER, Jacquelyn. Hydrodynamic predictions for mixed harmonic correlations in 200 GeV Au+ Au collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 3, art. no. 034901., Registrované v: WOS
15. [1.1] GARDIM, Fernando G. - GRASSI, Frederique - ISHIDA, Pedro - LUZUM, Matthew - MAGALHAES, Pablo S. - NORONHA-HOSTLER, Jacquelyn. Sensitivity of observables to coarse-graining size in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 6, art. no. 064919., Registrované v: WOS
16. [1.1] GARDIM, Fernando G. - GRASSI, Frederique - ISHIDA, Pedro - LUZUM, Matthew - MAGALHAES, Pablo S. - NORONHA-HOSTLER, Jacquelyn. Probing the transverse size of initial inhomogeneities with flow observables. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 419-422., Registrované v: WOS
17. [1.1] GHIGLIERI, Jacopo - MOORE, Guy D. - TEANEY, Derek. Second-Order Hydrodynamics in Next-to-Leading-Order QCD. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 5, art. no. 052302., Registrované v: WOS
18. [1.1] GIACALONE, Giuliano - YAN, Li - OLLITRAULT, Jean-Yves. Nonlinear coupling of flow harmonics: Hexagonal flow and beyond. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 5, art. no. 054905., Registrované v: WOS
19. [1.1] GIACALONE, Giuliano. Nonlinear coupling of flow harmonics in heavy-ion collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 379-382., Registrované v: WOS
20. [1.1] GOTSMAN, E. - LEVIN, E. Azimuthal angle correlations at large rapidities: revisiting density variation mechanism. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 11, art. no. 773., Registrované v: WOS
21. [1.1] GOTSMAN, E. - LEVIN, E. Bose-Einstein correlations in perturbative QCD: $v(n)$ dependence on multiplicity. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074011., Registrované v: WOS

22. [1.1] GOTSMAN, E. - LEVIN, E. - POTASHNIKOVA, I. A
CGC/saturation approach for angular correlations in proton-proton scattering. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 632., Registrované v: WOS
23. [1.1] GOTSMAN, E. - LEVIN, E. Perturbative QCD and beyond: Azimuthal angle correlations in deuteron-deuteron scattering from Bose-Einstein correlations. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 014034., Registrované v: WOS
24. [1.1] GUILBAUD, Maxime. New insights of multi-particle azimuthal correlations with symmetric cumulants in p-p, p-Pb, and Pb-Pb collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 325-328., Registrované v: WOS
25. [1.1] JIA, Jiangyong - HUO, Peng - MA, Guoliang - NIE, Maowu. Observables for longitudinal flow correlations in heavy-ion collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 7, art. no. 075106., Registrované v: WOS
26. [1.1] KE, Weiyao - MORELAND, J. Scott - BERNHARD, Jonah E. - BASS, Steffen A. Constraints on rapidity-dependent initial conditions from charged-particle pseudorapidity densities and two-particle correlations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 4, art. no. 044912., Registrované v: WOS
27. [1.1] KURIAN, Manu - CHANDRA, Vinod. Bulk viscosity of a hot QCD medium in a strong magnetic field within the relaxation-time approximation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 116008., Registrované v: WOS
28. [1.1] LEMAIRE, A. - SOTO, C. - SALGUEIRO, L. - IKEGAMI, H. - RUSSO, M.J. - LEE, L.Y. The impact of age on outcomes of coronary artery bypass grafting. In JOURNAL OF CARDIOTHORACIC SURGERY. JUL 1 2020, vol. 15, no. 1., Registrované v: WOS
29. [1.1] LIU, Peifeng - LACEY, Roy A. Acoustic scaling of linear and mode-coupled anisotropic flow; implications for precision extraction of the specific shear viscosity. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 021902., Registrované v: WOS
30. [1.1] LIU, Ziming - ZHAO, Wenbin - SONG, Huichao. Principal component analysis of collective flow in relativistic heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 10., Registrované v: WOS
31. [1.1] LI, Wei. Collective flow from AA, pA to pp collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 59-66., Registrované v: WOS
32. [1.1] LLANES-ESTRADA, Felipe J. - MUNOZ MARTINEZ, Jose L. Angular power spectrum in publicly released ALICE events. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 970, pp. 107-132., Registrované v: WOS
33. [1.1] MCDONALD, Scott - SHEN, Chun - FILLION-GOURDEAU, Francois - JEON, Sangyong - GALE, Charles. A Detailed Study and Synthesis of Flow Observables in the IP-Glasma plus MUSIC plus UrQMD Framework. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 393-396., Registrované v: WOS
34. [1.1] MEHRABPOUR, Hadi - TAGHAVI, Seyed Farid.

- Non-Bessel-Gaussianity and flow harmonic fine-splitting. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 1., Registrované v: WOS
35. [1.1] MEHRABPOUR, H. Systematic analysis of flow distributions. In PHYSICAL REVIEW C. ISSN 2469-9985, DEC 11 2020, vol. 102, no. 6., Registrované v: WOS
36. [1.1] MITRA, Sukanya - CHANDRA, Vinod. Transport coefficients of a hot QCD medium and their relative significance in heavy-ion collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 094003., Registrované v: WOS
37. [1.1] MORELAND, J.S. - BERNHARD, J.E. - BASS, S.A. Bayesian calibration of a hybrid nuclear collision model using p-Pb and Pb-Pb data at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 21 2020, vol. 101, no. 2., Registrované v: WOS
38. [1.1] NASIM, Md. Systematic study of symmetric cumulants at root S-NN=200 GeV in Au+Au collisions using a transport approach. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 3, art. no. 034905., Registrované v: WOS
39. [1.1] NIE, Mao-Wu - HUO, Peng - JIA, Jiangyong - MA, Guo-Liang. Multiparticle azimuthal cumulants in p plus Pb collisions from a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034903., Registrované v: WOS
40. [1.1] NORONHA-HOSTLER, Jacquelyn. Resolving the R-AA to $v(n)$ puzzle. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 65-70., Registrované v: WOS
41. [1.1] OKAMOTO, Kazuhisa - NONAKA, Chiho. A new relativistic viscous hydrodynamics code and its application to the Kelvin-Helmholtz instability in high-energy heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 6, art. no. 383., Registrované v: WOS
42. [1.1] OZONDER, Sener. Cumulant expansion in gluon saturation and five- and six-gluon azimuthal correlations. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074005., Registrované v: WOS
43. [1.1] PANG, Long-Gang - PETERSEN, Hannah - WANG, Xin-Nian. Pseudorapidity distribution and decorrelation of anisotropic flow within the open-computing-language implementation CLVisc hydrodynamics. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 6, art. no. 064918., Registrované v: WOS
44. [1.1] QIAN, Jing - HEINZ, Ulrich - HE, Ronghua - HUO, Lei. Differential flow correlations in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 5, art. no. 054908., Registrované v: WOS
45. [1.1] RYBCZYNSKI, Maciej - BRONIOWSKI, Wojciech. Glauber Monte Carlo predictions for ultrarelativistic collisions with O-16. In PHYSICAL REVIEW C. ISSN 0556-2813, 2019, vol. 100, no. 6., Registrované v: WOS
46. [1.1] SCHENKE, Bjorn - SHEN, Chun - TRIBEDY, Prithwish. Multiparticle and charge-dependent azimuthal correlations in heavy-ion collisions at the Relativistic Heavy-Ion Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4., Registrované v: WOS
47. [1.1] SIEVERT, M. - NORONHA-HOSTLER, J. CERN Large

- Hadron Collider system size scan predictions for PbPb, XeXe, ArAr, and OO with relativistic hydrodynamics. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2., Registrované v: WOS
48. [1.1] TRIBEDY, Prithwish. Studies of three-particle correlations and reaction-plane correlators from STAR. In XLVI INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2016). ISSN 2100-014X, 2017, vol. 141, art. no. UNSP 01004., Registrované v: WOS
49. [1.1] WEN, Dan - CASTILHO, Wagner Maciel - LIN, Kai - QIAN, Wei-Liang - HAMA, Yojiro - KODAMA, Takeshi. On the peripheral tube description of the two-particle correlations in nuclear collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 3., Registrované v: WOS
50. [1.1] WEN, D. - LIN, K. - QIAN, W.L. - WANG, B. - HAMA, Y. - KODAMA, T. On nonlinearity in hydrodynamic response to the initial geometry in relativistic heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, SEP 3 2020, vol. 56, no. 9., Registrované v: WOS
51. [1.1] WU, Xiang-Yu - PANG, Long-Gang - QIN, Guang-You - WANG, Xin-Nian. Longitudinal fluctuations and decorrelations of anisotropic flows at energies available at the CERN Large Hadron Collider and at the BNL Relativistic Heavy Ion Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 024913., Registrované v: WOS
52. [1.1] YAN, Li. A flow paradigm in heavy-ion collisions. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 4, art. no. 042001., Registrované v: WOS
53. [1.1] YAN, Li. Hydrodynamic modeling of heavy-ion collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 89-96., Registrované v: WOS
54. [1.1] ZHAO, Wenbin - XU, Hao-jie - SONG, Huichao. Collective flow in 2.76 and 5.02 A TeV Pb + Pb collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 645., Registrované v: WOS

ADCA100 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Correlated long-range mixed-harmonic fluctuations measured in pp, p plus Pb and low-multiplicity Pb plus Pb collisions with the ATLAS detector. In *Physics Letters B*, 2019, vol. 789, p. 444-471. (2018: 4.162 - IF, Q2 - JCR, 1.806 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.11.065>

Ohlasy:

1. [1.1] ARMESTO, N. - DOMINGUEZ, F. - KOVNER, A. - LUBLINSKY, M. - SKOKOV, V.V. The Color Glass Condensate density matrix: Lindblad evolution, entanglement entropy and Wigner functional. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 6 2019, no. 5., Registrované v: WOS
2. [1.1] BHALERAO, R.S. - GIACALONE, G. - OLLITRAULT, J.Y. Primordial non-Gaussianity in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, JUL 26 2019, vol. 100, no. 1., Registrované v: WOS
3. [1.1] KURKELA, A. - MAZELIAUSKAS, A. Chemical Equilibration

- in Hadronic Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, APR 10 2019, vol. 122, no. 14., Registrované v: WOS
4. [1.1] MACE, M. - SKOKOV, V.V. - TRIBEDY, P. - VENUGOPALAN, R. Systematics of azimuthal anisotropy harmonics in proton-nucleus collisions at the LHC from the Color Glass Condensate (vol 788, pg 161, 2019). In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2019, vol. 799., Registrované v: WOS
5. [1.1] MORDASINI, C. - BILANDZIC, A. - KARAKOC, D. - TAGHAVI, S.F. Higher order symmetric cumulants. In PHYSICAL REVIEW C. ISSN 0556-2813, AUG 12 2020, vol. 102, no. 2., Registrované v: WOS

ADCA101 ABDELLAOUI, G. - ABE, S. - ACHELI, A. - ADAMS, J.H. Jr. - AHMAD, Salleh - BOBÍK, Pavol - KUDELA, Karel - PASTIRČÁK, Blahoslav - PUTIŠ, Marián. Cosmic ray oriented performance studies for the JEM-EUSO first level trigger. In *Nuclear Instruments and Methods in Physics Research A. Accelerators, Spectrometers, Detectors and Associated Equipment*, 2017, vol. 866, p. 150-163. (2016: 1.362 - IF, Q1 - JCR, 0.866 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 0168-9002. Dostupné na: <https://doi.org/10.1016/j.nima.2017.05.043>

Ohlasy:

1. [1.1] ROIBAS-MILLAN, Elena - CUBAS, Javier - PINDADO, Santiago. Studies on Cup Anemometer Performances Carried out at IDR/UPM Institute. Past and Present Research. In ENERGIES. ISSN 1996-1073, 2017, vol. 10, no. 11., Registrované v: WOS
2. [1.2] BERTAINA, Mario E. Search for ultra-high energy cosmic rays from space-the jem-euso program. In Frascati Physics Series. ISSN 11225157, 2018-01-01, 66, pp. 154-169., Registrované v: SCOPUS
3. [1.2] MASTAFA, Malek - ADAMS, James - CHRISTL, Mark - WIENCKE, Lawrence - ESER, Johannes. Calibrating and testing EUSO-SPB in flight using a laser and LEDs on an aircraft. In Proceedings of Science, 2017-01-01., Registrované v: SCOPUS

ADCA102 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Cross-section measurements of the Higgs boson decaying into a pair of tau-leptons in proton-proton collisions at root s=13 TeV with the ATLAS detector. In *Physical Review D*, 2019, vol. 99, no. 7, art. no. 072001. (2018: 4.368 - IF, Q1 - JCR, 1.703 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.99.072001>

Ohlasy:

1. [1.1] ADAM, A.S. - FERDIYAN, A. - SATRIAWAN, M. A New Left-Right Symmetry Model. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, JAN 16 2020, vol. 2020., Registrované v: WOS
2. [1.1] ALTMANNSHOFER, W. - MADDOCK, B. - PROFUMO, S. Doubly blind spots in scalar dark matter models. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 23 2019, vol. 100, no. 5., Registrované v: WOS
3. [1.1] ALTMANNSHOFER, W. - MADDOCK, B. - TUCKLER, D. Rare top decays as probes of flavorful Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 8 2019, vol. 100, no. 1., Registrované v: WOS

4. [1.1] EGANA-UGRINOVIC, D. - HOMILLER, S. - MEADE, P. Higgs bosons with large couplings to light quarks. In PHYSICAL REVIEW D. ISSN 1550-7998, DEC 23 2019, vol. 100, no. 11., Registrované v: WOS
5. [1.1] CHANG, W.F. - NG, J.N. Alternative perspective on gauged lepton number and implications for collider physics. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 25 2019, vol. 99, no. 7., Registrované v: WOS
6. [1.1] CHO, W.S. - KIM, H.D. - LEE, D. Boosting invisible Higgs boson searches by tagging a gluon jet for the gluon fusion process. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 3 2020, vol. 102, no. 11., Registrované v: WOS
7. [1.1] KACHANOVICH, A. - NIERSTE, U. - NISANDZIC, I. Higgs boson decay into a lepton pair and a photon revisited. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 16 2020, vol. 101, no. 7., Registrované v: WOS
8. [1.1] KRAML, S. - LOC, T.Q. - NHUNG, D.T. - NINH, L.D. Constraining new physics from Higgs measurements with Lilith: update to LHC Run 2 results. In SCIPOST PHYSICS. ISSN 2542-4653, OCT 2019, vol. 7, no. 4., Registrované v: WOS

ADCA103 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman.

Cross-section-constrained top-quark mass measurement from dilepton events at the tevatron. In *Physical Review Letters*, 2008, vol. 100, no. 6, art. no. 062005. (2007: 6.944 - IF, Q1 - JCR, 5.950 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.100.062005>

Ohlasy:

1. [1.1] BOOS, E. E. - BRANDT, O. E. - DENISOV, D. S. - DENISOV, S. P. - GRANNIS, P. D. The top quark (20 years after its discovery). In PHYSICS-USPEKHI. ISSN 1063-7869, 2015, vol. 58, no. 12, pp. 1133-1158., Registrované v: WOS
2. [1.1] DENISOV, Dmitri - VELLIDIS, Costas. The TOP QUARK, 20 years after its discovery. In PHYSICS TODAY. ISSN 0031-9228, 2015, vol. 68, no. 4, pp. 46-52., Registrované v: WOS

ADCA104 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan -

KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VAĽA, Martin. D Meson Elliptic Flow in Noncentral Pb-Pb Collisions at $\sqrt{s}(NN)=2.76$ TeV. In *Physical Review Letters*, 2013, vol. 111, no. 10, art. no. 102301. (2012: 7.943 - IF, Q1 - JCR, 6.292 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.111.102301>

Ohlasy:

1. [1.1] BERAUDO, Andrea. Heavy flavour in high-energy nuclear collisions: a theoretical overview. In TNPI2016 XV CONFERENCE ON THEORETICAL NUCLEAR PHYSICS IN ITALY. ISSN 1742-6588, 2018, vol. 981, art. no. 012016., Registrované v: WOS
2. [1.1] BERREHRAH, Hamza - BRATKOVSKAYA, Elena. A dynamical quasiparticle approach for the QGP bulk and transport properties. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 7, art. no. 1642003., Registrované v: WOS

3. [1.1] BRUNO, Giuseppe Eugenio. CERN achievements in relativistic heavy ion collisions. In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, art. no. 06001., Registrované v: WOS
4. [1.1] CAO, Shanshan - LUO, Tan - QIN, Guang-You - WANG, Xin-Nian. Linearized Boltzmann transport model for jet propagation in the quark-gluon plasma: Heavy quark evolution. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 1, art. no. 014909., Registrované v: WOS
5. [1.1] CAO, Shanshan - QIN, Guang-You - BASS, Steffen A. Modeling of heavy-flavor pair correlations in Au-Au collisions at 200A GeV at the BNL Relativistic Heavy Ion Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 5, art. no. 054909., Registrované v: WOS
6. [1.1] CAO, Shanshan - QIN, Guang-You - BASS, Steffen A. Energy loss, hadronization, and hadronic interactions of heavy flavors in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 2, art. no. 024907., Registrované v: WOS
7. [1.1] CAO, Shanshan - QIN, Guang-You - WANG, Xin-Nian. Gluon contribution to open heavy-meson production in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 2, art. no. 024912., Registrované v: WOS
8. [1.1] DUDAL, David - MERTENS, Thomas G. Holographic estimate of heavy quark diffusion in a magnetic field. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 054035., Registrované v: WOS
9. [1.1] FRANCIS, A. - KACZMAREK, O. - LAINE, M. - NEUHAUS, T. - OHNO, H. Nonperturbative estimate of the heavy quark momentum diffusion coefficient. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 116003., Registrované v: WOS
10. [1.1] HE, Hang - LIU, Yunpeng - ZHUANG, Pengfei. Omega(ccc) production in high energy nuclear collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 746, pp. 59-63., Registrované v: WOS
11. [1.1] HE, Min - FRIES, Rainer J. - RAPP, Ralf. Modifications of heavy-flavor spectra in root(NN)-N-S=62.4 GeV Au-Au collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 2, art. no. 024904., Registrované v: WOS
12. [1.1] HE, Min - FRIES, Rainer J. - RAPP, Ralf. Open Heavy Flavor Transport in root s(NN)=5.02 TeV Pb+Pb Collisions. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 265-268., Registrované v: WOS
13. [1.1] CHEN, Baoyi. Elliptic flow as a probe for the psi(2S) production mechanism in relativistic heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 3, art. no. 034908., Registrované v: WOS
14. [1.1] CHEN, B.Y. Thermal production of charmonia in Pb-Pb collisions at root sNN=5.02 TeV. In CHINESE PHYSICS C. ISSN 1674-1137, DEC 2019, vol. 43, no. 12., Registrované v: WOS
15. [1.1] INGHIRAMI, G. - VAN HEES, H. - ENDRES, S. - TORRES-RINCON, J.M. - BLEICHER, M. Elliptic flow and R-AA of D mesons at FAIR comparing the UrQMD hybrid model and the coarse-graining approach. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 21 2019, vol. 79, no. 1., Registrované v: WOS

16. [1.1] KELLY, Aoife - ROTHKOPF, Alexander - SKULLERUD, Jon-Ivar. Bayesian study of relativistic open and hidden charm in anisotropic lattice QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 114509., Registrované v: WOS
17. [1.1] KELLY, Aoife - SKULLERUD, Jon-Ivar. Thermal D mesons from anisotropic lattice QCD. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 07025., Registrované v: WOS
18. [1.1] KIKOLA, Daniel. Five things you should remember about heavy flavor measurements. In HOT QUARKS 2014: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS. ISSN 1742-6588, 2015, vol. 612, art. no. 012023., Registrované v: WOS
19. [1.1] LIU, S.Y.F. - HE, M. - RAPP, R. Probing the in-medium QCD force by open heavy-flavor observables. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 6 2019, vol. 99, no. 5., Registrované v: WOS
20. [1.1] LOKHTIN, I. P. - BELYAEV, A. V. - PONIMATKIN, G. - PRONINA, E. Yu. - EIYUBOVA, G. Kh. On the Possibility of Thermalization of Heavy Mesons in Ultrarelativistic Nuclear Collisions. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2017, vol. 124, no. 2, pp. 244-250., Registrované v: WOS
21. [1.1] LOMNITZ, Michael R. Measurement of D-0 elliptic and triangular flow in Au plus Au collisions at $\sqrt{s(NN)}$ -N-S 200 GeV at RHIC. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012059., Registrované v: WOS
22. [1.1] LOMNITZ, Michael. Measurement of D-meson azimuthal anisotropy in Au+Au 200 GeV collisions at RHIC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 256-259., Registrované v: WOS
23. [1.1] MILOV, Alexander. The R-AA and $v(2)$ of muons from heavy-quark decays in Pb plus Pb collisions at $\sqrt{s(NN)}$ =2.76 TeV with the ATLAS detector. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 521-524., Registrované v: WOS
24. [1.1] NAHRGANG, Marlene - AICHELIN, Jorg - GOSSIAUX, Pol Bernard - WERNER, Klaus. Toward a consistent evolution of the quark-gluon plasma and heavy quarks. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 4, art. no. 044909., Registrované v: WOS
25. [1.1] OZVENCHUK, V. - AICHELIN, J. - GOSSIAUX, P. B. - GUIOT, B. - NAHRGANG, M. - WERNER, K. D-meson observables in Pb-Pb and p-Pb collisions at LHC with EPOSHQ model. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012033., Registrované v: WOS
26. [1.1] SARASWAT, Kapil - SHUKLA, Prashant - KUMAR, Vineet - SINGH, Venktesh. Energy loss of heavy quarks and B and D meson spectra in PbPb collisions at LHC energies. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 961, pp. 169-182., Registrované v: WOS
27. [1.1] SASAKI, Chihiro. Flavor Correlations and the QCD Phase Structure. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 07021., Registrované v: WOS

28. [1.1] SHI, Wei - ZHA, Wangmei - CHEN, Baoyi. Charmonium coherent photoproduction and hadroproduction with effects of quark gluon plasma. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 777, pp. 399-405., Registrované v: WOS
29. [1.1] SONG, Taesoo - BERREHRAH, Hamza. Hadronization time of heavy quarks in nuclear matter. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 3, art. no. 034901., Registrované v: WOS
30. [1.1] SONG, Taesoo - BERREHRAH, Hamza - CABRERA, Daniel - CASSING, Wolfgang - BRATKOVSKAYA, Elena. Charm production in Pb plus Pb collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 3, art. no. 034906., Registrované v: WOS
31. [1.1] SONG, Taesoo - BERREHRAH, Hamza - TORRES-RINCON, Juan M. - TOLOS, Laura - CABRERA, Daniel - CASSING, Wolfgang - BRATKOVSKAYA, Elena. Single electrons from heavy-flavor mesons in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 1, art. no. 014905., Registrované v: WOS
32. [1.1] SONG, Taesoo - CASSING, Wolfgang - MOREAU, Pierre - BRATKOVSKAYA, Elena. Open charm and dileptons from relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 6, art. no. 064907., Registrované v: WOS
33. [1.1] SONG, T. - BERREHRAH, H. - BRATKOVSKAYA, E. L. - CABRERA, D. - CASSING, W. - TOLOS, L. - TORRES-RINCON, J. M. Heavy-quark dynamics in heavy-ion collisions. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012030., Registrované v: WOS
34. [1.1] UPHOFF, Jan - FOCHLER, Oliver - XU, Zhe - GREINER, Carsten. Elastic and radiative heavy quark interactions in ultra-relativistic heavy-ion collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 11, art. no. 115106., Registrované v: WOS
35. [1.1] WANG, H. - CHEN, J.H. - MA, Y.G. - ZHANG, S. Charm hadron azimuthal angular correlations in Au plus Au collisions at root s(NN)=200 GeV from parton scatterings. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, DEC 2019, vol. 30, no. 12., Registrované v: WOS
36. [1.1] XIE, Guannan. Measurement of D-0 Meson Production and Azimuthal Anisotropy in Au plus Au Collisions at root S-NN=200 GeV. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 209-212., Registrované v: WOS
37. [1.1] XIE, Guannan. Measurement of D-0 Meson Production and Azimuthal Anisotropy in Au plus Au Collisions at root S-NN=200 GeV. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 209-212., Registrované v: WOS
38. [1.1] XU, P.Z. - ZHANG, W.N. Squeezed back-to-back correlations of bosons with nonzero widths in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, JUL 23 2019, vol. 100, no. 1., Registrované v: WOS
39. [1.1] YU, G.M. - CAI, Y.B. - BAI, Z. - HU, Q. Centrality Dependence of Charmed-Meson Photoproduction in Ultrarelativistic Heavy Ion

Collisions. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, MAY 2019, vol. 71, no. 5, p. 563-567., Registrované v: WOS

40. [1.1] ZHAO, Jiaying - HE, Hang - ZHUANG, Pengfei. Searching for $\Xi(+)(cc)$ in relativistic heavy ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 771, pp. 349-353., Registrované v: WOS

41. [1.1] ZHAO, Jiaying - CHEN, Baoyi. Strong diffusion effect of charm quarks on J/ψ production in Pb-Pb collisions at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 776, pp. 17-21., Registrované v: WOS

42. [1.1] ZHAO, Jiaying - ZHUANG, Pengfei. Multicharmed Baryon Production in High Energy Nuclear Collisions. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2017, vol. 58, no. 2., Registrované v: WOS

43. [1.1] ZHAO, J.X. - SHI, S.Z. - ZHUANG, P.F. Fully-heavy tetraquarks in a strongly interacting medium. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 1 2020, vol. 102, no. 11., Registrované v: WOS

44. [1.1] ZHAO, J.X. - ZHOU, K. - CHEN, S.L. - ZHUANG, P.F. Heavy flavors under extreme conditions in high energy nuclear collisions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, SEP 2020, vol. 114., Registrované v: WOS

45. [1.1] ZHOU, Kai - CHEN, Zhengyu - ZHUANG, Pengfei. Antishadowing Effect on Charmonium Production at a Fixed-Target Experiment Using LHC Beams. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 439689., Registrované v: WOS

ADCA105 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Dark matter interpretations of ATLAS searches for the electroweak production of supersymmetric particles in $\sqrt{s}=8$ TeV proton-proton collisions. In *Journal of High Energy Physics*, 2016, vol. 2016, no. 9, art. no. 175. (2015: 6.023 - IF, Q1 - JCR, 1.343 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP09\(2016\)175](https://doi.org/10.1007/JHEP09(2016)175)

Ohlasy:

1. [1.1] ABBOTT, S. CULT FILM - CULT TELEVISION. In ROUTLEDGE COMPANION TO CULT CINEMA. 2020, p. 366-377., Registrované v: WOS
2. [1.1] ALTAIE, M. B. Dark Matter: Its Origins and Chapters. In JORDAN JOURNAL OF PHYSICS. ISSN 1994-7607, 2017, vol. 10, no. 2, pp. 59-83., Registrované v: WOS
3. [1.1] BERNREUTHER, Elias - HORAK, Jan - PLEHN, Tilman - BUTTER, Anja. Actual physics behind mono-X. In SCIPOST PHYSICS. ISSN 2542-4653, 2018, vol. 5, no. 4, art. no. 034., Registrované v: WOS
4. [1.1] BEURIA, Jyotiranjana - DATA, Asesh Krishna - DEBNATH, Dipsikha - MATCHEV, Konstantin T. LHC collider phenomenology of minimal universal extra dimensions. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 226, pp. 187-205., Registrované v: WOS
5. [1.1] GONDOLO, P. - SANDICK, P. - HAGHI, B.S.E. Effects of primordial black holes on dark matter models. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 17 2020, vol. 102, no. 9., Registrované v: WOS
6. [1.1] POPLAWSKI, N.J. Non-particle dark matter from Hubble

parameter. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 2019, vol. 79, no. 9., Registrované v: WOS

ADCA106 AARON, F.D. - BRUNCKO, Dušan - FERENCEI, Jozef - MURÍN, Pavol - TOMASZ, Filip. Deeply virtual Compton scattering and its beam charge asymmetry in $e(\pm)p$ collisions at HERA. In *Physics Letters B*, 2009, vol. 681, no. 5, p. 391-399. (2008: 4.034 - IF, Q1 - JCR, 2.853 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2009.10.035>

Ohlasy:

1. [1.1] D'HOSE, Nicole. Deeply Virtual Compton Scattering and Exclusive Meson Production. In 4TH INTERNATIONAL WORKSHOP ON TRANSVERSE POLARISATION PHENOMENA IN HARD PROCESSES (TRANSVERSITY 2014). ISSN 2100-014X, 2015, vol. 85, art. no. 01004., Registrované v: WOS
2. [1.1] KROLL, P. Status of DVMP, DVCS and GPDs. In 4TH INTERNATIONAL WORKSHOP ON TRANSVERSE POLARISATION PHENOMENA IN HARD PROCESSES (TRANSVERSITY 2014). ISSN 2100-014X, 2015, vol. 85, art. no. 01005., Registrované v: WOS

ADCA107 ADLOFF, C. - BRUNCKO, Dušan - FERENCEI, Jozef - KURČA, Tibor - MURÍN, Pavol. Deep-inelastic inclusive ep scattering at low x and a determination of $\alpha(s)$. In *European Physical Journal C*, 2001, vol. 21, no. 1, p. 33-61. (2000: 5.408 - IF, Current Contents - CCC). (2001 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1007/s100520100720>

Ohlasy:

1. [1.1] BARUAH, Nomita - DAS, Mrinal Kumar - SARMA, Jayanta Kumar. Analysis of Small x Behaviour of Longitudinal and Heavy Favour Structure Functions of Proton. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 10, pp. 3596-3611., Registrované v: WOS
2. [1.1] BIEKOETTER, Thomas - KLASSEN, Michael - KRAMER, Gustav. Next-to-next-to-leading order contributions to inclusive jet production in deep-inelastic scattering and determination of $\alpha(s)$. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 074037., Registrované v: WOS
3. [1.1] KOTIKOV, A. V. - SHAIKHATDENOV, B. G. Q (2) evolution of parton distributions at small values of x: Effective scale for combined H1 and ZEUS data on the structure function F-2. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2015, vol. 78, no. 4, pp. 525-527., Registrované v: WOS
4. [1.1] MCLERRAN, Larry - PRASZALOWICZ, Michal. Geometrical scaling and the dependence of the average transverse momentum on the multiplicity and energy for the ALICE experiment. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 741, pp. 246-251., Registrované v: WOS

ADCA108 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Determination of spin and parity of the Higgs boson in the $WW^* \rightarrow e\nu\mu\nu$ decay channel with the ATLAS detector. In *European Physical Journal C*, 2015, vol. 75, no. 5, art. no. 231. (2014: 5.084 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current

Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1434-6044.
Dostupné na: <https://doi.org/10.1140/epjc/s10052-015-3436-3>

Ohlasy:

1. [1.1] BERGE, S. - GROOTE, S. - KORNER, J. G. - KALDAMAE, L. Lepton-mass effects in the decays $H \rightarrow ZZ^* \rightarrow l^{(+)}l^{(-)}\tau^{(+)}\tau^{(-)}$ and $H \rightarrow WW^* \rightarrow l\nu\tau\nu(\tau)$. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 033001., Registrované v: WOS
2. [1.1] CAMPBELL, John M. - MILLER, David J. - ROBENS, Tania. Next-to-leading order predictions for WW plus jet production. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 014033., Registrované v: WOS
3. [1.1] CAOLA, Fabrizio - MELNIKOV, Kirill - ROENTSCH, Raoul - TANCREDI, Lorenzo. QCD corrections to W+W- production through gluon fusion. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 754, pp. 275-280., Registrované v: WOS
4. [1.1] GINZBURG, I. F. Simple criterium for CP conservation in 2HDM. In XVII WORKSHOP ON HIGH ENERGY SPIN PHYSICS (DSPIN-2017). ISSN 1742-6588, 2018, vol. 938, art. no. 012049., Registrované v: WOS
5. [1.1] JAQUIER, M. - RONTSCH, R. Mixed scalar-pseudoscalar Higgs boson production through next-to-next-to-leading order at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 1 2020, no. 6., Registrované v: WOS
6. [1.1] NISATI, A. - TONELLI, G. The discovery of the Higgs boson at the Large Hadron Collider. In RIVISTA DEL NUOVO CIMENTO. ISSN 0393-697X, 2015, vol. 38, no. 11, pp. 507-573., Registrované v: WOS

ADCA109 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Determination of the event collision time with the ALICE detector at the LHC. In *European Physical Journal Plus*, 2017, vol. 132, no. 2, art. no. 99. (2016: 1.753 - IF, Q2 - JCR, 0.435 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 2190-5444. Dostupné na: <https://doi.org/10.1140/epjp/i2017-11279-1>

Ohlasy:

1. [1.1] CAI, Z.Y. - WU, Z. - HENG, Y.K. - LI, N. - LUO, F.J. - LI, M.Z. - WEI, W.L. - WEN, K.L. - YANG, X.Y. - XU, M.H. - WANG, Y.M. - YAN, B.J. - LIU, S.L. Cosmic ray test for a compact Cherenkov T0 detector. In RADIATION DETECTION TECHNOLOGY AND METHODS. ISSN 2509-9930, MAR 2020, vol. 4, no. 1, p. 92-96., Registrované v: WOS

ADCA110 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Determination of the Ratio of b-Quark Fragmentation Fractions $f(s)/f(d)$ in pp Collisions at $\sqrt{s}=7$ TeV with the ATLAS Detector. In *Physical Review Letters*, 2015, vol. 115, no. 26, art. no. 262001. (2014: 7.512 - IF, Q1 - JCR, 5.232 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.115.262001>

Ohlasy:

1. [1.1] BARDHAN, D. - GHOSH, D. B-meson charged current

- anomalies: The post-Moriond 2019 status. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 10 2019, vol. 100, no. 1., Registrované v: WOS
2. [1.1] LANGENEGGER, U. Recent results on $B \rightarrow \mu^{(+)}\mu^{(-)}$ decays with the CMS experiment. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, NOV 10 2020, vol. 35, no. 34., Registrované v: WOS
3. [1.1] OVERSCHMIDT, Bo - QURESHI, Ali A. - PARIKH, Rajiv P. - YAN, Yan - TENENBAUM, Marissa M. - MYCKATYN, Terence M. A Prospective Evaluation of Three-Dimensional Image Simulation: Patient-Reported Outcomes and Mammometrics in Primary Breast Augmentation. In PLASTIC AND RECONSTRUCTIVE SURGERY. ISSN 0032-1052, 2018, vol. 142, no. 2, pp. 133E-144E., Registrované v: WOS
4. [1.1] SCHOBER, S. - SCHILBACH, K. - DOERING, M. - STANCHI, S.K.M. - HOLZER, U. - KASTELEINER, P. - SCHITTENHELM, J. - SCHAEFER, J.F. - MUELLER, I. - LANG, P. - HANDGRETINGER, R. Allogeneic hematopoietic stem cell transplantation in two brothers with DNA ligase IV deficiency: a case report and review of the literature. In BMC PEDIATRICS. OCT 11 2019, vol. 19, no. 1., Registrované v: WOS

ADCA111 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Determination of the Strange-Quark Density of the Proton from ATLAS Measurements of the W - lv and Z - ll Cross Sections. In *Physical Review Letters*, 2012, vol. 109, no. 1, art. no. 012001. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.109.012001>

Ohlasy:

1. [1.1] ABT, Iris. The Proton as Seen by the HERA Collider. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 66. ISSN 0163-8998, 2016, vol. 66, pp. 377-399., Registrované v: WOS
2. [1.1] ACCARDI, A. - ALEKHIN, S. - BLUMLEIN, J. - GARZELLI, M. V. - LIPKA, K. - MELNITCHOUK, W. - MOCH, S. - OWENS, J. F. - PLACAKYTE, R. - REYA, E. - SATO, N. - VOGT, A. - ZENAIEV, O. A critical appraisal and evaluation of modern PDFs. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 8, art. no. 471., Registrované v: WOS
3. [1.1] ACCARDI, A. - BRADY, L. T. - MELNITCHOUK, W. - OWENS, J. F. - SATO, N. Constraints on large- x parton distributions from new weak boson production and deep-inelastic scattering data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 114017., Registrované v: WOS
4. [1.1] ALEEDANESHVAR, A. - KHORRAMIAN, A. The impact of the LHCb B_{s1} production cross-section on parton distribution functions and determining the mass of heavy quarks. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 979, pp. 215-236., Registrované v: WOS
5. [1.1] ALEKHIN, S. - BLUEMLEIN, J. - MOCH, S. - PLACAKYTE, R. Parton distribution functions, α_s , and heavy-quark masses for LHC Run II. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 014011., Registrované v: WOS
6. [1.1] ALEKHIN, S. - BLUEMLEIN, J. - MOCH, S. Strange sea determination from collider data. In PHYSICS LETTERS B. ISSN 0370-2693,

2018, vol. 777, pp. 134-140., Registrované v: WOS

7. [1.1] ARAKELYAN, G. H. - MERINO, C. - SHABELSKI, Yu. M. Midrapidity hyperon production in pp and pA collisions from low to LHC energies. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 1, art. no. 9., Registrované v: WOS

8. [1.1] BALL, Richard D. - BERTONE, Valerio - CARRAZZA, Stefano - DEANS, Christopher S. - DEL DEBBIO, Luigi - FORTE, Stefano - GUFFANTI, Alberto - HARTLAND, Nathan P. - LATORRE, Jose I. - ROJO, Juan - UBIALI, Maria. Parton distributions for the LHC run II. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 040., Registrované v: WOS

9. [1.1] BALL, R.D. - NOCERA, E.R. - PEARSON, R.L. Nuclear uncertainties in the determination of proton PDFs: NNPDF Collaboration. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS

10. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS

11. [1.1] BENMOKHTAR, F. Studies of Partonic Distributions using Kaon SIDIS. In PROCEEDINGS OF THE 15TH INTERNATIONAL CONFERENCE ON MESON-NUCLEON PHYSICS AND THE STRUCTURE OF THE NUCLEON. ISSN 0094-243X, 2020, vol. 2249., Registrované v: WOS

12. [1.1] BORSA, Ignacio - SASSOT, Rodolfo - STRATMANN, Marco. Probing the sea quark content of the proton with one-particle-inclusive processes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 094020., Registrované v: WOS

13. [1.1] CONTALBRIGO, M. TMDs and Unpolarized SIDIS. In 4TH INTERNATIONAL WORKSHOP ON TRANSVERSE POLARISATION PHENOMENA IN HARD PROCESSES (TRANSVERSITY 2014). ISSN 2100-014X, 2015, vol. 85, art. no. 01006., Registrované v: WOS

14. [1.1] EKSTEDT, A. - GHADERI, H. - INGELMAN, G. - LEUPOLD, S. Nucleon parton distributions from hadronic quantum fluctuations. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 5 2019, vol. 100, no. 3., Registrované v: WOS

15. [1.1] FORTE, S. - LEVY, A. - RIDOLFI, G. From My Vast Repertoire ... Guido Altarelli's Legacy Preface. In FROM MY VAST REPERTOIRE ... : GUIDO ALTARELLI'S LEGACY. 2019, p. V-+., Registrované v: WOS

16. [1.1] GAO, Jun - HARLAND-LANG, Lucian - ROJO, Juan. The structure of the proton in the LHC precision era. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2018, vol. 742, pp. 1-121., Registrované v: WOS

17. [1.1] GAO, Jun. Massive charged-current coefficient functions in deep-inelastic scattering at NNLO and impact on strange-quark distributions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 026., Registrované v: WOS

18. [1.1] GOHARIPOUR, M. - ROSTAMI, S. Implementation of target mass corrections and higher-twist effects in the xFitter framework. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 13 2020, vol. 101, no. 7.,

Registrované v: WOS

19. [1.1] GUERRERO, Juan V. - ACCARDI, Alberto. Gauge invariance and kaon production in deep inelastic scattering at low scales. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 114012.,

Registrované v: WOS

20. [1.1] HARLAND-LANG, L. A. - MARTIN, A. D. - MOTYLINSKI, P. - THORNE, R. S. Parton distributions in the LHC era: MMHT 2014 PDFs. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 204., Registrované v: WOS

21. [1.1] HOBBS, T. J. - ALBERG, Mary - MILLER, Gerald A. Constraining nucleon strangeness. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 3, art. no. 035205., Registrované v: WOS

22. [1.1] CHANG, Wen-Chen - PENG, Jen-Chieh. Extraction of the intrinsic light-quark sea in the proton. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 054020., Registrované v: WOS

23. [1.1] CHATTERJEE, Rajdeep M. - GUCHAIT, Monoranjan - PLACAKYTE, Ringaile. QCD analysis of the CMS inclusive differential Z production data at $\sqrt{s}=8$ TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 034035., Registrované v: WOS

24. [1.1] JUNG, Hannes - VAN MECHELEN, Pierre. New Underlying Event Tunes. In STUDY OF DOUBLE PARTON SCATTERING USING FOUR-JET SCENARIOS: IN PROTON-PROTON COLLISIONS AT $(\sqrt{s})=7$ TEV WITH THE CMS EXPERIMENT AT THE LHC. ISSN 2190-5053, 2016, pp. 245-261., Registrované v: WOS

25. [1.1] KHALEK, R.A. - ETHIER, J.J. - ROJO, J. - VAN WEELDEN, G. nNNPDF2.0: quark flavor separation in nuclei from LHC data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 28 2020, no. 9.,

Registrované v: WOS

26. [1.1] MODARRES, M. - MASOUMINIA, M. R. - NIK, R. Aminzadeh - HOSSEINKHANI, H. - OLANJ, N. KMR $k(t)$ -factorization procedure for the description of the LHCb forward hadron-hadron $Z(0)$ production at $\sqrt{s}=13$ TeV. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 772, pp. 534-541., Registrované v: WOS

27. [1.1] OWENS, J. F. Constraints On Parton Distribution Functions From Charged Current Deep Inelastic Scattering. In INTERNATIONAL WORKSHOP ON PHYSICS WITH POSITRONS AT JEFFERSON LAB. ISSN 0094-243X, 2018, vol. 1970, art. no. 030001., Registrované v: WOS

28. [1.1] PENG, Jen-Chieh - CHANG, Wen-Chen - CHENG, Hai-Yang - LIU, Keh-Fei. Flavor Structure of Intrinsic Nucleon Sea. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2015, vol. 56, no. 6-9, pp. 349-354., Registrované v: WOS

29. [1.1] PISKOUNOVA, O.I. Baryon production at LHC experiments: average $p(t)$ of hyperons versus energy. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, MAY 10 2020, vol. 35, no. 13.,

Registrované v: WOS

30. [1.1] SATO, N. - ANDRES, C. - ETHIER, J.J. - MELNITCHOUK, W. Strange quark suppression from a simultaneous Monte Carlo analysis of parton distributions and fragmentation functions. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 17 2020, vol. 101, no. 7., Registrované v: WOS

31. [1.1] VOUTILAINEN, Mikko. Heavy quark jets at the LHC. In

ADCA112 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Determination of the strong coupling constant $\alpha(s)$ from transverse energy-energy correlations in multijet events at $\sqrt{s}=8$ TeV using the ATLAS detector. In *European Physical Journal C*, 2017, vol. 77, no. 12, art. no. 872. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na:
<https://doi.org/10.1140/epjc/s10052-017-5442-0>

Ohlasy:

1. [1.1] BARRETO, E.R. - ABAD, D.R. Fixing the number of non-sequential generations within the $SU(2)(L) \times U(1)(Y)$ gauge group. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, NOV 20 2019, vol. 34, no. 35., Registrované v: WOS
2. [1.1] DEMIR, D. Symmergent Gravity, Seesawic New Physics, and Their Experimental Signatures. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, AUG 22 2019, vol. 2019., Registrované v: WOS
3. [1.1] HENN, J.M. - SOKATCHEV, E. - IRAN, K. - ZHIPOEDOV, A. Energy-energy correlation in $N=4$ super Yang-Mills theory at next-to-next-to-leading order. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 26 2019, vol. 100, no. 3., Registrované v: WOS
4. [1.1] JOHNSON, Mark - MAITRE, Daniel. Strong coupling constant extraction from high-multiplicity Z plus jets observables. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 054013., Registrované v: WOS

ADCA113 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Determination of the top-quark pole mass using $t(\bar{t})$ -1-jet events collected with the ATLAS experiment in 7 TeV pp collisions. In *Journal of High Energy Physics*, 2015, vol. 2015, no. 10, art. no. 121. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na:
[https://doi.org/10.1007/JHEP10\(2015\)121](https://doi.org/10.1007/JHEP10(2015)121)

Ohlasy:

1. [1.1] ANDREASSEN, Anders - SCHWARTZ, Matthew D. Reducing the top quark mass uncertainty with jet grooming. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 10, art. no. 151., Registrované v: WOS
2. [1.1] BAUSE, R. - GISBERT, H. - GOLZ, M. - HILLER, G. Exploiting CP asymmetries in rare charm decays. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 3 2020, vol. 101, no. 11., Registrované v: WOS
3. [1.1] BEVILACQUA, G. - HARTANTO, H. B. - KRAUS, M. - SCHULZE, M. - WOREK, M. Top quark mass studies with $t(\bar{t})$ -1-jet at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 169., Registrované v: WOS
4. [1.1] CORCELLA, G. The Top-Quark Mass: Challenges in Definition and Determination. In FRONTIERS IN PHYSICS. ISSN 2296-424X, APR 24

2019, vol. 7., Registrované v: WOS

5. [1.1] GISBERT, Hector - PICH, Antonio. Direct CP violation in $K \rightarrow 0 \pi \pi$: Standard Model Status. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2018, vol. 81, no. 7, art. no. 076201., Registrované v: WOS

6. [1.1] HABA, Naoyuki - OKADA, Nobuchika - YAMADA, Toshifumi. Proton decay prediction from a gauge-Higgs unification scenario in five dimensions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 071701., Registrované v: WOS

7. [1.1] HABA, Naoyuki - YAMADA, Toshifumi. Multiple-point principle realized with strong dynamics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115015., Registrované v: WOS

8. [1.1] HABA, Naoyuki - YAMADA, Toshifumi. Prediction on neutrino Dirac and Majorana phases and absolute mass scale from the CKM matrix. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055018., Registrované v: WOS

9. [1.1] KIESELER, Jan - LIPKA, Katerina - MOCH, Sven-Olaf. Calibration of the Top-Quark Monte Carlo Mass. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 16, art. no. 162001., Registrované v: WOS

10. [1.1] PENUELAS, Ana - PICH, Antonio. Flavour alignment in multi-Higgs-doublet models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 12, art. no. 084., Registrované v: WOS

11. [1.1] RAVASIO, Silvia Ferrario - JEZO, Tomas - NASON, Paolo - OLEARI, Carlo. A theoretical study of top-mass measurements at the LHC using NLO plus PS generators of increasing accuracy. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 458., Registrované v: WOS

ADCA114 ACHARYA, S. - ACOSTA, F.T. - ADAMOVIĆ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Dielectron and heavy-quark production in inelastic and high-multiplicity proton-proton collisions at $\sqrt{s}=13$ TeV. In *Physics Letters B*, 2019, vol. 788, p. 505-518. (2018: 4.162 - IF, Q2 - JCR, 1.806 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.11.009>

Ohlasy:

1. [1.1] VOGT, R. $b(b)$ -over-bar kinematic correlations in cold nuclear matter. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 18 2020, vol. 101, no. 2., Registrované v: WOS

ADCA115 ACHARYA, S. - ACOSTA, F.T. - ADAMOVIĆ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Dielectron production in proton-proton collisions at $\sqrt{s}=7$ TeV. In *Journal of High Energy Physics*, 2018, no. 9, art. no. 064. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP09\(2018\)064](https://doi.org/10.1007/JHEP09(2018)064)

Ohlasy:

1. [1.1] VOGT, R. $b(b)$ -over-bar kinematic correlations in cold nuclear

matter. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 18 2020, vol. 101, no. 2., Registrované v: WOS

ADCA116 ADAM, J. - ADAMOŤ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Differential studies of inclusive J/psi and psi (2S) production at forward rapidity in Pb-Pb collisions at root s(NN)=2.76 TeV. In *Journal of High Energy Physics*, 2016, vol. 2016, no. 5, art. no. 179. (2015: 6.023 - IF, Q1 - JCR, 1.343 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP05\(2016\)179](https://doi.org/10.1007/JHEP05(2016)179)

Ohlasy:

1. [1.1] ARAKI, Ken-Ji - SUZUKI, Kei - GUBLER, Philipp - OKA, Makoto. Charmonium ground and excited states at finite temperature from complex Borel sum rules. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 780, pp. 48-53., Registrované v: WOS
2. [1.1] DU, Xiaojian - RAPP, Ralf. psi(2S) Production at the LHC. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012042., Registrované v: WOS
3. [1.1] FRONZE, G. G. Measurements of quarkonium production in p-Pb and Pb-Pb collisions with ALICE at LHC. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2018, vol. 41, no. 1-2, art. no. 14., Registrované v: WOS
4. [1.1] GAO, Li-Na - LIU, Fu-Hu - LI, Bao-Chun. Rapidity Dependent Transverse Momentum Spectra of Heavy Quarkonia Produced in Small Collision Systems at the LHC. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2019, vol. 2019., Registrované v: WOS
5. [1.1] HUANG, Bingchu. Overview of Recent Results from the STAR experiment. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 19-24., Registrované v: WOS
6. [1.1] CHEN, Ya-Hui - LIU, Fu-Hu - LACEY, Roy A. Event Patterns Extracted from Transverse Momentum and Rapidity Spectra of Z Bosons and Quarkonium States Produced in pp and Pb-Pb Collisions at LHC. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 9876253., Registrované v: WOS
7. [1.1] CHEN, Y.H. - MA, Y.G. - MA, G.L. - CHEN, J.H. Transverse momentum spectra of J/psi produced in collisions over an energy range from 17.4 GeV to 13 TeV. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, APR 2020, vol. 47, no. 4., Registrované v: WOS
8. [1.1] LAFFERTY, David - ROTHKOPF, Alexander. Quarkonium Phenomenology from a Generalised Gauss Law. In UNIVERSE, 2019, vol. 5, no. 5., Registrované v: WOS
9. [1.1] LAFFERTY, D. - ROTHKOPF, A. Improved Gauss law model and in-medium heavy quarkonium at finite density and velocity. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 11 2020, vol. 101, no. 5., Registrované v: WOS
10. [1.1] LOKHTIN, I. P. - BELYAEV, A. V. - PONIMATKIN, G. - PRONINA, E. Yu. - EIYUBOVA, G. Kh. On the Possibility of Thermalization of Heavy Mesons in Ultrarelativistic Nuclear Collisions. In JOURNAL OF

EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2017, vol. 124, no. 2, pp. 244-250., Registrované v: WOS

11. [1.1] NAYAK, Gouranga C. Proof of factorization of heavy quarkonium production in non-equilibrium QCD at RHIC and LHC. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 2, art. no. 52., Registrované v: WOS

12. [1.1] PASTENA, M. - MELEGA, N. - TOSSAINT, M. - REGAN, A. - CASTORINA, M. - GABRIELE, A. - MATHIEU, P. - ROSELLO, J. Small Satellite Landscape: ESA Earth Observation with a focus on optical missions. In SENSORS, SYSTEMS, AND NEXT-GENERATION SATELLITES XXIV. ISSN 0277-786X, 2020, vol. 11530., Registrované v: WOS

13. [1.1] RAPP, R. - DU, X. Theoretical Perspective on Quarkonia from SPS via RHIC to LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 216-224., Registrované v: WOS

14. [1.1] ROTHKOPF, A. Heavy quarkonium in extreme conditions. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, MAY 10 2020, vol. 858, p. 1-117., Registrované v: WOS

15. [1.1] WANG, Q. - LIU, F.H. Excitation Function of Initial Temperature of Heavy Flavor Quarkonium Emission Source in High Energy Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, AUG 17 2020, vol. 2020., Registrované v: WOS

16. [1.1] ZHAO, Jiaying - CHEN, Baoyi. Strong diffusion effect of charm quarks on J/psi production in Pb-Pb collisions at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 776, pp. 17-21., Registrované v: WOS

ADCA117 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Differential top-antitop cross-section measurements as a function of observables constructed from final-state particles using pp collisions at root s=7 TeV in the ATLAS detector. In *Journal of High Energy Physics*, 2015, vol. 2015, no. 6, art. no. 100. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP06\(2015\)100](https://doi.org/10.1007/JHEP06(2015)100)

Ohlasy:

1. [1.1] APOLINARIO, Liliana - MILHANO, Jose Guilherme - SALAM, Gavin P. - SALGADO, Carlos A. Probing the Time Structure of the Quark-Gluon Plasma with Top Quarks. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 23, art. no. 232301., Registrované v: WOS

2. [1.1] BELLM, J. - BEWICK, G. - RAVASIO, S.F. - GIESEKE, S. - GRELLSCHEID, D. - KIRCHGAESSER, P. - LOSHAJ, F. - MASOUMINIA, M.R. - NAIL, G. - PAPAESTATHIOU, A. - PLATZER, S. - PODSKUBKA, R. - RAUCH, M. - REUSCHLE, C. - RICHARDSON, P. - SCHICHEL, P. - SEYMOUR, M.H. - SODMOK, A. - WEBSTER, S. Herwig 7.2 release note. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 20 2020, vol. 80, no. 5., Registrované v: WOS

3. [1.1] BOGGIA, M. - CRUZ-MARTINEZ, J. M. - FRELLESVIG, H. - GLOVER, N. - GOMEZ-AMBROSIO, R. - GONELLA, G. - HADDAD, Y. - ILNICKA, A. - JONES, S. - KASSABOV, Z. - KRAUSS, F. - MEGY, T. - MELINI, D. - NAPOLETANO, D. - PASSARINO, G. - PATEL, S. - RODRIGUEZ-VAZQUEZ, M. - WOLF, T. The HiggsTools handbook: a

- beginners guide to decoding the Higgs sector. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 6, art. no. 065004., Registrované v: WOS
4. [1.1] CATANI, Stefano - GRAZZINI, Massimiliano - SARGSYAN, Hayk. Transverse-momentum resummation for top-quark pair production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 061., Registrované v: WOS
5. [1.1] CORMIER, K. - PLATZER, S. - REUSCHLE, C. - RICHARDSON, P. - WEBSTER, S. Parton showers and matching uncertainties in top quark pair production with Herwig 7. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
6. [1.1] DE MEESTER, J. - BOEVE-DE PAUW, J. - BUYSE, M.P. - CEUPPENS, S. - DE COCK, M. - DE LOOF, H. - GOOVAERTS, L. - HELLINCKX, L. - KNIPPRATH, H. - STRUYF, A. - THIBAUT, L. - VAN DE VELDE, D. - VAN PETEGEM, P. - DEHAENE, W. Bridging the Gap between Secondary and Higher STEM Education - the Case of STEM@school. In EUROPEAN REVIEW. ISSN 1062-7987, AUG 2020, vol. 28, SI, p. S135-S157., Registrované v: WOS
7. [1.1] DEL DUCA, Vittorio - LAENEN, Eric. Top physics at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 35, art. no. 1530063., Registrované v: WOS
8. [1.1] FARINA, M. - MONDINO, C. - PAPPADOPULO, D. - RUDERMAN, J.T. New physics from high energy tops. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 31 2019, no. 1., Registrované v: WOS
9. [1.1] CHANG, Jung - CHEUNG, Kingman - LEE, Jae Sik - LU, Chih-Ting - PARK, Jubin. Measuring properties of a Heavy Higgs boson in the $H \rightarrow t(\bar{t}) b W^{+}(\bar{b}) W^{-}$ decay. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 162., Registrované v: WOS
10. [1.1] MASSIMI, Michela. Three problems about multi-scale modelling in cosmology. In STUDIES IN HISTORY AND PHILOSOPHY OF MODERN PHYSICS. ISSN 1355-2198, 2018, vol. 64, pp. 26-38., Registrované v: WOS
11. [1.1] MURASE, M. - OHTA, R. Prediction of Molecular Affinity on Solid Surfaces via Three-Dimensional Solubility Parameters Using Interfacial Free Energy as Interaction Threshold. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, MAY 30 2019, vol. 123, no. 21, p. 13246-13252., Registrované v: WOS
12. [1.1] SAHA, Pratishruti - KIERS, Ken - BHATTACHARYA, Bhubanjyoti - LONDON, David - SZYNKMAN, Alejandro - MELENDEZ, Jordan. Measuring CP-violating observables in rare top decays at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 054044., Registrované v: WOS
13. [1.1] TOKAREV, Mikhail - ZBOROVSKY, Imrich. Top-Quark $p(T)$ -Spectra at LHC and Flavor Independence of z -Scaling. In XLVI INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2016). ISSN 2100-014X, 2017, vol. 141, art. no. UNSP 02006., Registrované v: WOS

14. [1.1] TOKAREV, M.V. - ZBOROVSKY, I. - KECHECHYAN, A.O. - DEDOVICH, T.G. Verification of z-Scaling in p plus p, p and Au plus Au Collisions at RHIC, Tevatron and LHC. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, MAR 2020, vol. 51, no. 2, p. 141-171., Registrované v: WOS
15. [1.1] WAGNER-KUHR, Jeannine. EXPERIMENTAL STUDIES OF TOP QUARK PRODUCTION. In ACTA PHYSICA SLOVACA. ISSN 0323-0465, 2016, vol. 66, no. 1, pp. 1-68., Registrované v: WOS

ADCA118 AKTAS, A. - BRUNCKO, Dušan - FERENCEI, Jozef - MURÍN, Pavol - TOMASZ, Filip. Diffractive deep-inelastic scattering with a leading proton at HERA. In *European Physical Journal C*, 2006, vol. 48, no. 3, p. 749-766. (2005: 3.209 - IF, Q2 - JCR, 1.390 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-006-0046-0>

Ohlasy:

1. [1.1] BOUSSARIE, R. - GRABOVSKY, A. V. - SZYMANOWSKI, L. - WALLON, S. Impact factor for high-energy two and three jets diffractive production. In DIFFRACTION 2014: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2015, vol. 1654, art. no. UNSP 030005., Registrované v: WOS
2. [1.1] LUSZCZAK, Marta - MACIULA, Rafal - SZCZUREK, Antoni. Single- and central-diffractive production of open charm and bottom mesons at the LHC: Theoretical predictions and experimental capabilities. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 054024., Registrované v: WOS
3. [1.1] ROYON, Christophe - SAIMPERT, Matthias. Exploring the Pomeron structure at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 8, art. no. 1542008., Registrované v: WOS
4. [1.1] SAHIN, B. Search for the Anomalous tq gamma and tqH Couplings in gamma p Collision at the LHC. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 590397., Registrované v: WOS

ADCA119 AARON, F.D. - BRUNCKO, Dušan - FERENCEI, Jozef. Diffractive dijet photoproduction in ep collisions at HERA. In *European Physical Journal C*, 2010, vol. 70, no. 1-2, p. 15-37. (2009: 2.746 - IF, Q2 - JCR, 1.859 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-010-1448-6>

Ohlasy:

1. [1.1] BENOIT, Roland. Recent CMS results on diffraction. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 8, art. no. 1542011., Registrované v: WOS
2. [1.1] BOUSSARIE, R. - GRABOVSKY, A. V. - SZYMANOWSKI, L. - WALLON, S. Impact factor for high-energy two and three jets diffractive production. In DIFFRACTION 2014: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2015, vol. 1654, art. no. UNSP 030005., Registrované v: WOS

ADCA120 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Diffractive dijet production in (p)over-bar p collisions at root s=1.96 TeV. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2012, vol. 86, no. 3, art. no. 032009. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.86.032009>

Ohlasy:

1. [1.1] BENOIT, Roland. Recent CMS results on diffraction. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2015, vol. 30, no. 8, art. no. 1542011., Registrované v: WOS

ADCA121 AARON, F.D. - BRUNCKO, Dušan - FERENCEI, Jozef - MURÍN, Pavol - TOMASZ, Filip. Diffractive electroproduction of rho and phi mesons at HERA. In *Journal of High Energy Physics*, 2010, vol. 2010, no. 5, art. no. 32. (2009: 6.019 - IF, 1.497 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP05\(2010\)032](https://doi.org/10.1007/JHEP05(2010)032)

Ohlasy:

1. [1.1] DOSCH, H. G. - FERREIRA, E. Diffractive electromagnetic processes from a Regge point of view. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2015, vol. 92, no. 3, art. no. 034002., Registrované v: WOS
2. [1.1] SCHMIDT, Ivan - SIDDIKOV, M. Nuclear effects in neutrino production of pions. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2015, vol. 91, no. 7, art. no. 073002., Registrované v: WOS

ADCA122 ADLOFF, C. - BRUNCKO, Dušan - FERENCEI, Jozef - KURČA, Tibor - MURÍN, Pavol. Diffractive jet production in deep-inelastic e(+)p collisions at HERA. In *European Physical Journal C*, 2001, vol. 20, no. 1, p. 29-49. (2000: 5.408 - IF, Current Contents - CCC). (2001 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1007/s100520100634>

Ohlasy:

1. [1.1] BOUSSARIE, R. - GRABOVSKY, A. V. - SZYMANOWSKI, L. - WALLON, S. Impact factor for high-energy two and three jets diffractive production. In *DIFFRACTION 2014: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS*. ISSN 0094-243X, 2015, vol. 1654, art. no. UNSP 030005., Registrované v: WOS

ADCA123 AKTAS, A. - BRUNCKO, Dušan - FERENCEI, Jozef - MURÍN, Pavol - TOMASZ, Filip. Diffractive open charm production in deep-inelastic scattering and photoproduction at HERA. In *European Physical Journal C*, 2007, vol. 50, no. 1, p. 1-20. (2006: 3.251 - IF, Q2 - JCR, 1.589 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-006-0206-2>

Ohlasy:

1. [1.1] BOUSSARIE, R. - GRABOVSKY, A. V. - SZYMANOWSKI, L. - WALLON, S. Impact factor for high-energy two and three jets diffractive production. In *DIFFRACTION 2014: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS*. ISSN 0094-243X, 2015, vol. 1654, art. no. UNSP 030005., Registrované v: WOS

ADCA124 AKTAS, A. - BRUNCKO, Dušan - FERENCEI, Jozef - MURÍN, Pavol - TOMASZ, Filip. Diffractive photoproduction of J/psi mesons with large momentum transfer at HERA. In *Physics Letters B*, 2003, vol. 568, no. 3-4, p. 205-218. (2002: 4.298 - IF, Current Contents - CCC). (2003 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2003.06.056>

Ohlasy:

1. [1.1] D'HOSE, Nicole. Deeply Virtual Compton Scattering and Exclusive Meson Production. In 4TH INTERNATIONAL WORKSHOP ON TRANSVERSE POLARISATION PHENOMENA IN HARD PROCESSES (TRANSVERSITY 2014). ISSN 2100-014X, 2015, vol. 85, art. no. 01004., Registrované v: WOS

ADCA125 ADLOFF, C. - BRUNCKO, Dušan - FERENCEI, Jozef - KURČA, Tibor - MARÁČEK, Richard - MURÍN, Pavol - TOMASZ, Filip. Diffractive photoproduction of psi(2S) mesons at HERA. In *Physics Letters B*, 2002, vol. 541, no. 3-4, p. 251-264. (2001: 4.377 - IF, Current Contents - CCC). (2002 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: [https://doi.org/10.1016/S0370-2693\(02\)02275-X](https://doi.org/10.1016/S0370-2693(02)02275-X)

Ohlasy:

1. [1.1] CISEK, Anna - SCHAEFER, Wolfgang - SZCZUREK, Antoni. Exclusive photoproduction of charmonia in gamma p> Vp and pp> pVp reactions within k(t)-factorization approach. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 159., Registrované v: WOS
2. [1.1] DUCATI, M. B. Gay - GRIEP, M. T. - MACHADO, M. V. T. Exclusive photoproduction of quarkonium at the LHC energies within the color dipole approach. In DIFFRACTION 2014: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2015, vol. 1654, art. no. UNSP 100002., Registrované v: WOS
3. [1.1] FIORE, R. - JENKOVSKY, L. - LIBOV, V. - MACHADO, M. V. T. - SALII, A. Vector meson production in ultra-peripheral collisions at the LHC. In DIFFRACTION 2014: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2015, vol. 1654, art. no. UNSP 090002., Registrované v: WOS
4. [1.1] GONCALVES, V. P. - DA SILVEIRA, G. G. Probing the photon flux in the diffractive quarkonium photoproduction at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 054013., Registrované v: WOS

ADCA126 AKTAS, A. - BRUNCKO, Dušan - FERENCEI, Jozef - MURÍN, Pavol - TOMASZ, Filip. Diffractive photoproduction of rho mesons with large momentum transfer at HERA. In *Physics Letters B*, 2006, vol. 638, no. 5-6, p. 422-431. (2005: 5.301 - IF, Q1 - JCR, 2.980 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2006.05.042>

Ohlasy:

1. [1.1] D'HOSE, Nicole. Deeply Virtual Compton Scattering and Exclusive Meson Production. In 4TH INTERNATIONAL WORKSHOP ON TRANSVERSE POLARISATION PHENOMENA IN HARD PROCESSES (TRANSVERSITY 2014). ISSN 2100-014X, 2015, vol. 85, art. no. 01004., Registrované v: WOS

ADCA127 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Diffractive W and Z production at the Fermilab Tevatron. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2010, vol. 82, no. 11, art. no. 112004. (2009: 4.922 - IF, 2.792 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na:

<https://doi.org/10.1103/PhysRevD.82.112004>

Ohlasy:

1. [1.1] BENOIT, Roland. Recent CMS results on diffraction. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 8, art. no. 1542011., Registrované v: WOS
2. [1.1] CECCOPIERI, Federico Alberto. Studies of Backward Particle Production with a Fixed-Target Experiment Using the LHC Beams. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 652062., Registrované v: WOS
3. [1.1] PASECHNIK, Roman - KOPELIOVICH, Boris - POTASHNIKOVA, Irina. Diffractive Higgsstrahlung. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 094014., Registrované v: WOS
4. [1.1] PASECHNIK, Roman - KOPELIOVICH, Boris - POTASHNIKOVA, Irina. Diffractive Bremsstrahlung in Hadronic Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 701467., Registrované v: WOS

ADCA128 AABOUD, M. - AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Dijet azimuthal correlations and conditional yields in pp and p plus Pb collisions at $\sqrt{s}=5.02$ TeV with the ATLAS detector. In *Physical Review C*, 2019, vol. 100, no. 3, art. no. 034903. (2018: 3.132 - IF, Q2 - JCR, 1.502 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na:

<https://doi.org/10.1103/PhysRevC.100.034903>

Ohlasy:

1. [1.1] KOTKO, P. THEORY AND PHENOMENOLOGY OF TRANSVERSE MOMENTUM DEPENDENT GLUON DISTRIBUTIONS IN HIGH ENERGY PROCESSES. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2020, vol. 13, no. 4, p. 667-672., Registrované v: WOS
2. [1.1] LIU, X.H. - RINGER, F. - VOGELSANG, W. - YUAN, F. Factorization and its breaking in dijet single transverse spin asymmetries in pp collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 7 2020, vol. 102, no. 11., Registrované v: WOS
3. [1.1] VAN HAMEREN, A. - KUTAK, K. - PLACZEK, W. - ROHRMOSER, M. - TYWONIUK, K. Jet quenching and effects of non-Gaussian transverse-momentum broadening on dijet observables. In PHYSICAL REVIEW C. ISSN 0556-2813, OCT 21 2020, vol. 102, no. 4., Registrované v: WOS

ADCA129 AKTAS, A. - BRUNCKO, Dušan - FERENCEI, Jozef - MURÍN, Pavol - TOMASZ, Filip. Dijet cross sections and parton densities in diffractive DIS at HERA. In *Journal of High Energy Physics*, 2007, vol. 2007, no. 10, art. no. 042.

(2006: 5.393 - IF, 1.762 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents, SCOPUS). ISSN 1029-8479. Dostupné na:
<https://doi.org/10.1088/1126-6708/2007/10/042>

Ohlasy:

1. [1.1] TRZEBINSKIA, Maciej - STASZEWSKI, Rafal - CHWASTOWSKI, Janusz. On the possibility of measuring the single-tagged exclusive jets at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 7, art. no. 320., Registrované v: WOS

ADCA130 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Dijet production in root s=7 TeV pp collisions with large rapidity gaps at the ATLAS experiment. In *Physics Letters B*, 2016, vol. 754, p. 214-234. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na:
<https://doi.org/10.1016/j.physletb.2016.01.028>

Ohlasy:

1. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
2. [1.1] BASSO, E. - GONCALVES, V. P. - KOHARA, A. K. - RANGEL, M. S. Photon and Pomeron-induced Production of Dijets in pp, pA and AA Collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 600., Registrované v: WOS
3. [1.1] BRENNER MARIOTTO, C. - GONCALVES, V. P. - PALOTA DA SILVA, R. Double heavy quarkonium production in diffractive processes at the Run 2 LHC energy. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 014028., Registrované v: WOS
4. [1.1] FAGUNDES, Daniel A. - GRAU, Agnes - PANCHERI, Giulia - SHEKHOVTSOVA, Olga - SRIVASTAVA, Yogendra N. Inelastic cross section and survival probabilities at the LHC in minijet models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 054010., Registrované v: WOS
5. [1.1] GIL DA SILVEIRA, G. - GONCALVES, V. P. - JAIME, M. M. Exclusive vector meson photoproduction at the LHC and a future circular collider: A closer look on the final state. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034020., Registrované v: WOS
6. [1.1] GONCALVES, V. P. - JAIME, M. M. - MARTINS, D. E. - RANGEL, M. S. Exclusive and diffractive $\mu^{+}\mu^{-}$ production in pp collisions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 074024., Registrované v: WOS
7. [1.1] GOTSMAN, Errol. A Model for Soft Interactions based on the CGC/Saturation Approach and the BFKL Pomeron. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 01002., Registrované v: WOS
8. [1.1] HELENIUS, I. - RASMUSSEN, C.O. Hard diffraction in photoproduction with boldPythia/bold 8. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 16 2019, vol. 79, no. 5., Registrované v: WOS
9. [1.1] KHOZE, V. A. - MARTIN, A. D. - RYSKIN, M. G. Multiple

interactions and rapidity gap survival. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 5, art. no. 053002., Registrované v: WOS

10. [1.1] LARIONOV, A.B. - STRIKMAN, M. Slow-neutron production as a probe of hadron formation in high-energy gamma*A reactions. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 23 2020, vol. 101, no. 1., Registrované v: WOS

11. [1.1] OSTAPCHENKO, Sergey - BLEICHER, Marcus. Rapidity gap survival in enhanced Pomeron scheme. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 1, art. no. 67., Registrované v: WOS

12. [1.1] TICHOUK - SUN, H. - LUO, X. Inclusive diffractive eta(c) production in pp, pA, and AA modes at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 11 2020, vol. 101, no. 9., Registrované v: WOS

13. [1.1] TICHOUK - SUN, H. - LUO, X. Hard diffractive eta(c,b) hadroproduction at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 26 2020, vol. 101, no. 5., Registrované v: WOS

ADCA131 ACHARYA, S. - ACOSTA, F.T. - ADAMOVÁ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Direct photon elliptic flow in Pb-Pb collisions at root s(NN)=2.76 TeV. In *Physics Letters B*, 2019, vol. 789, p. 308-322. (2018: 4.162 - IF, Q2 - JCR, 1.806 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.11.039>

Ohlasy:

1. [1.1] CE, M. - HARRIS, T. - MEYER, H.B. - STEINBERG, A. - TONIATO, A. Rate of photon production in the quark-gluon plasma from lattice QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 9 2020, vol. 102, no. 9., Registrované v: WOS

2. [1.1] DAVID, G. Direct real photons in relativistic heavy ion collisions. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, APR 2020, vol. 83, no. 4., Registrované v: WOS

3. [1.1] HOLT, N.P.M. - RAPP, R. Baryonic sources of thermal photons. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, NOV 2020, vol. 56, no. 11., Registrované v: WOS

4. [1.1] KASMAEI, B.S. - STRICKLAND, M. Photon production and elliptic flow from a momentum-anisotropic quark-gluon plasma. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 22 2020, vol. 102, no. 1., Registrované v: WOS

5. [1.1] KHACHATRYAN, V. - PRASZALOWICZ, M. Scaling properties of direct photon yields in heavy ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 24 2020, vol. 80, no. 7., Registrované v: WOS

6. [1.1] MONNAI, A. Medium-induced optical effects for prompt photons. In NUCLEAR PHYSICS A. ISSN 0375-9474, MAR 2020, vol. 995., Registrované v: WOS

7. [1.1] MONNAI, A. Prompt, pre-equilibrium, and thermal photons in relativistic nuclear collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JUL 2020, vol. 47, no. 7., Registrované v: WOS

8. [1.1] SCHAEFER, Anna - TORRES-RINCON, Juan M. - ROTHERMEL, Jonas - EHLERT, Niklas - GALE, Charles - ELFNER, Hannah. Benchmarking a nonequilibrium approach to photon emission in relativistic heavy-ion collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 11, art. no. 114021., Registrované v: WOS
9. [1.1] WANG, X.Y. - SHOVKOVY, I.A. - YU, L. - HUANG, M. Ellipticity of photon emission from strongly magnetized hot QCD plasma. In PHYSICAL REVIEW D. ISSN 1550-7998, OCT 19 2020, vol. 102, no. 7., Registrované v: WOS

ADCA132 ACHARYA, S. - ACOSTA, F.T. - ADAMOVÁ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Direct photon production at low transverse momentum in proton-proton collisions at $\sqrt{s}=2.76$ and 8 TeV. In *Physical Review C*, 2019, vol. 99, no. 2, art. no. 024912. (2018: 3.132 - IF, Q2 - JCR, 1.502 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.99.024912>

Ohlasy:

1. [1.1] DAVID, G. Direct real photons in relativistic heavy ion collisions. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, APR 2020, vol. 83, no. 4., Registrované v: WOS
2. [1.1] DOS SANTOS, G.S. - DA SILVEIRA, G.G. - MACHADO, M.V.T. Prompt photon production in high-energy pA collisions at forward rapidity. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 2 2020, vol. 102, no. 5., Registrované v: WOS
3. [1.1] DOS SANTOS, G.S. - DA SILVEIRA, G.G. - MACHADO, M.V.T. The color dipole picture for prompt photon production in pp and pPb collisions at the CERN-LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 2 2020, vol. 80, no. 9., Registrované v: WOS

ADCA133 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Direct photon production in Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV. In *Physics Letters B*, 2016, vol. 754, p. 235-248. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2016.01.020>

Ohlasy:

1. [1.1] AYALA, Alejandro - DAVID CASTANO-YEPES, Jorge - DOMINGUEZ, C. A. - HERNANDEZ, L. A. - HERNANDEZ-ORTIZ, Saul - ELENA TEJEDA-YEOMANS, Maria. Prompt photon yield and elliptic flow from gluon fusion induced by magnetic fields in relativistic heavy-ion collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 014023., Registrované v: WOS
2. [1.1] AYALA, Alejandro - DAVID CASTANO-YEPES, Jorge - DOMINGUEZ, C. A. - HERNANDEZ, L. A. Thermal photons from gluon fusion with magnetic fields. In XLVI INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2016). ISSN 2100-014X, 2017, vol. 141, art. no. UNSP 02007., Registrované v: WOS
3. [1.1] AYALA, A. - CASTANO-YEPES, J.D. - JIMENEZ, I.D. - SAN

- MARTIN, J.S. - TEJEDA-YEOMANS, M.E. Centrality dependence of photon yield and elliptic flow from gluon fusion and splitting induced by magnetic fields in relativistic heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, FEB 12 2020, vol. 56, no. 2., Registrované v: WOS
4. [1.1] AYALA, A. - CASTANO-YEPES, J.D. - JIMENEZ, I.D. - SAN MARTIN, J.S. - TEJEDA-YEOMANS, M.E. New channels of prompt-photon production by magnetic fields in heavy-ion collisions. In 36TH WINTER WORKSHOP ON NUCLEAR DYNAMICS. ISSN 1742-6588, 2020, vol. 1602., Registrované v: WOS
5. [1.1] BAYM, Gordon - HATSUDA, Tetsuo - STRICKLAND, Michael. Virtual photon polarization in ultrarelativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 4, art. no. 044907., Registrované v: WOS
6. [1.1] CAMPBELL, S. Photon and dilepton observables: An experimental overview. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 177-183., Registrované v: WOS
7. [1.1] CE, M. - HARRIS, T. - MEYER, H.B. - STEINBERG, A. - TONIATO, A. Rate of photon production in the quark-gluon plasma from lattice QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 9 2020, vol. 102, no. 9., Registrované v: WOS
8. [1.1] DASGUPTA, Pingal - CHATTERJEE, Rupa - SRIVASTAVA, Dinesh K. Spectra and elliptic flow of thermal photons from full-overlap U plus U collisions at energies available at the BNL Relativistic Heavy Ion Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 064907., Registrované v: WOS
9. [1.1] DASGUPTA, Pingal - CHATTERJEE, Rupa - SINGH, Sushant K. - ALAM, Jan-e. Effects of initial-state nucleon shadowing on the elliptic flow of thermal photons. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034902., Registrované v: WOS
10. [1.1] DAVID, G. Direct real photons in relativistic heavy ion collisions. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, APR 2020, vol. 83, no. 4., Registrované v: WOS
11. [1.1] DONG, Xin - LEE, Yen-Jie - RAPP, Ralf. Open Heavy-Flavor Production in Heavy-Ion Collisions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 69. ISSN 0163-8998, 2019, vol. 69, pp. 417-445., Registrované v: WOS
12. [1.1] FENG, Bohao - WANG, Zeyan. Effect of an electromagnetic field on the spectra and elliptic flow of particles. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 5, art. no. 054912., Registrované v: WOS
13. [1.1] FU, Yong-Ping - XI, Qin. Photon production in Pb plus Pb collisions at root s(NN)=2.76 TeV. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 970, pp. 8-21., Registrované v: WOS
14. [1.1] GHIGLIERI, J. - KACZMAREK, O. - LAINE, M. - MEYER, F. Lattice constraints on the thermal photon rate. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 016005., Registrované v: WOS
15. [1.1] GOHARIPOUR, Muhammad - MEHRABAN, Hossein. Study of isolated prompt photon production in p-Pb collisions for the ALICE kinematics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 054002., Registrované v: WOS
16. [1.1] GOHARIPOUR, Muhammad - MEHRABAN, Hossein.

Predictions for the Isolated Prompt Photon Production at the LHC at root $s=13\text{TeV}$. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, art. no. 3802381., Registrované v: WOS

17. [1.1] GOHARIPOUR, Muhammad - ROSTAMI, S. Probing nuclear modifications of parton distribution functions through the isolated prompt photon production at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 5., Registrované v: WOS

18. [1.1] GOULD, Oliver - RAJANTIE, Arttu - XIE, Cheng. Worldline sphaleron for thermal Schwinger pair production. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 056022., Registrované v: WOS

19. [1.1] GREIF, Moritz - SENZEL, Florian - KREMER, Heiner - ZHOU, Kai - GREINER, Carsten - XU, Zhe. Nonequilibrium photon production in partonic transport simulations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 5, art. no. 054903., Registrované v: WOS

20. [1.1] GUBLER, Philipp - SATOW, Daisuke. Finite temperature sum rules in the vector channel at finite momentum. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 114028., Registrované v: WOS

21. [1.1] HOLT, N.P.M. - RAPP, R. Baryonic sources of thermal photons. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, NOV 2020, vol. 56, no. 11., Registrované v: WOS

22. [1.1] CHATTERJEE, Rupa - DASGUPTA, Pingal - SRIVASTAVA, Dinesh K. Anisotropic flow of thermal photons at energies available at the BNL Relativistic Heavy Ion Collider and at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 1, art. no. 014911., Registrované v: WOS

23. [1.1] IATRAKIS, Ioannis - KIRITSIS, Elias - SHEN, Chun - YANG, Di-Lun. Holographic Photon Production and Anisotropic Flow. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 177-180., Registrované v: WOS

24. [1.1] IATRAKIS, Ioannis - KIRITSIS, Elias - SHEN, Chun - YANG, Di-Lun. Holographic photon production in heavy ion collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, vol., no. 4, art. no. 035., Registrované v: WOS

25. [1.1] IATRAKIS, Ioannis - KIRITSIS, Elias - SHEN, Chun - YANG, Di-Lun. Direct-Photon Spectra and Anisotropic Flow in Heavy Ion Collisions from Holography. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 07029., Registrované v: WOS

26. [1.1] JACKSON, G. - LAINE, M. Testing thermal photon and dilepton rates. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2019, vol., no. 11., Registrované v: WOS

27. [1.1] JEZO, Tomas - KLASSEN, Michael - KOENIG, Florian. Prompt photon production and photon-hadron jet correlations with POWHEG. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 11, art. no. 033., Registrované v: WOS

28. [1.1] KHACHATRYAN, Vladimir - SCHENKE, Bjorn - CHIU, Mickey - DREES, Axel - HEMMICK, Thomas K. - NOVITZKY, Norbert. Photons from thermalizing matter in heavy ion collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 978, pp. 123-159., Registrované v:

WOS

29. [1.1] KHACHATRYAN, Vladimir. PHENIX MEASUREMENTS OF LOW MOMENTUM DIRECT PHOTON RADIATION FROM LARGE AND SMALL SYSTEMS IN (ULTRA) RELATIVISTIC HEAVY-ION COLLISIONS: DIRECT PHOTON SCALING. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, pp. 457-463., Registrované v: WOS
30. [1.1] KHACHATRYAN, V. Direct photon production and scaling properties in large and small system collisions. In 36TH WINTER WORKSHOP ON NUCLEAR DYNAMICS. ISSN 1742-6588, 2020, vol. 1602., Registrované v: WOS
31. [1.1] KHACHATRYAN, V. - PRASZALOWICZ, M. Scaling properties of direct photon yields in heavy ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 24 2020, vol. 80, no. 7., Registrované v: WOS
32. [1.1] KIM, Young-Min - LEE, Chang-Hwan - TEANEY, Derek - ZAHED, Ismail. Direct photon elliptic flow at energies available at the BNL Relativistic Heavy Ion Collider and the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 1, art. no. 015201., Registrované v: WOS
33. [1.1] KOLESNIKOV, V.I. - KEKELIDZE, V.D. - MATVEEV, V.A. - SORIN, A.S. Progress in the construction of the NICA accelerator complex. In PHYSICA SCRIPTA. ISSN 0031-8949, SEP 2020, vol. 95, no. 9., Registrované v: WOS
34. [1.1] LOEWE, M. - MONJE, L. - MUNOZ, E. - RAYA, A. - ZAMORA, R. New perspective for the magnetic corrections to pi-pi scattering lengths in the linear sigma model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 5., Registrované v: WOS
35. [1.1] MONNAI, A. Medium-induced optical effects for prompt photons. In NUCLEAR PHYSICS A. ISSN 0375-9474, MAR 2020, vol. 995., Registrované v: WOS
36. [1.1] MONNAI, A. Prompt, pre-equilibrium, and thermal photons in relativistic nuclear collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JUL 2020, vol. 47, no. 7., Registrované v: WOS
37. [1.1] NAGLE, James L. - ZAJC, William A. Small System Collectivity in Relativistic Hadronic and Nuclear Collisions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 68. ISSN 0163-8998, 2018, vol. 68, pp. 211-235., Registrované v: WOS
38. [1.1] OLIVA, L. - RUGGIERI, M. - PLUMARI, S. - SCARDINA, F. - PENG, G. X. - GRECO, V. Photons from the early stages of relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 1, art. no. 014914., Registrované v: WOS
39. [1.1] PAQUET, Jean-Francois - SHEN, Chun - DENICOL, Gabriel S. - LUZUM, Matthew - SCHENKE, Bjorn - JEON, Sangyong - GALE, Charles. Production of photons in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 4, art. no. 044906., Registrované v: WOS
40. [1.1] ROMAN, V.C. Thermal photons at PHENIX experiment. In XLIX INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS

- (ISMD 2019). ISSN 2100-014X, 2020, vol. 235., Registrované v: WOS
41. [1.1] SHAPOVAL, V.M. - ADZHYMAMBETOV, M.D. - SINYUKOV, Y.M. Femtoscopy scales and particle production in the relativistic heavy ion collisions from Au+Au at 200 AGeV to Xe+Xe at 5.44 ATeV within the integrated hydrokinetic model. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, OCT 12 2020, vol. 56, no. 10., Registrované v: WOS
42. [1.1] SHEN, Chun - PAQUET, Jean-Francois - DENICOL, Gabriel S. - JEON, Sangyong - GALE, Charles. Collectivity and electromagnetic radiation in small systems. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 1, art. no. 014906., Registrované v: WOS
43. [1.1] SCHAEFER, Anna - TORRES-RINCON, Juan M. - ROTHERMEL, Jonas - EHLERT, Niklas - GALE, Charles - ELFNER, Hannah. Benchmarking a nonequilibrium approach to photon emission in relativistic heavy-ion collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 11., Registrované v: WOS
44. [1.1] SCHARENBERG, Rolf P. - SRIVASTAVA, Brijesh K. - HIRSCH, Andrew S. - PAJARES, Carlos. Hot Dense Matter: Deconfinement and Clustering of Color Sources in Nuclear Collisions. In UNIVERSE. ISSN 2218-1997, 2018, vol. 4, no. 9, art. no. 96., Registrované v: WOS
45. [1.1] SCHARENBERG, R. P. - SRIVASTAVA, B. K. - PAJARES, C. Exploring the initial stage of high multiplicity proton-proton collisions by determining the initial temperature of the quark-gluon plasma. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 11., Registrované v: WOS
46. [1.1] SINGH, Captain R. - GANESH, S. - MISHRA, M. Centrality and transverse momentum dependent suppression of $\phi(1S)$ and $\phi(2S)$ in p-Pb and Pb-Pb collisions at the CERN Large Hadron Collider. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 2., Registrované v: WOS
47. [1.1] TORRES-RINCON, Juan M. - AICHELIN, Joerg. Equation of state of a quark-meson mixture in the improved Polyakov-Nambu-Jona-Lasinio model at finite chemical potential. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 4, art. no. 045205., Registrované v: WOS
48. [1.1] TUCHIN, Kirill. Photon radiation in hot nuclear matter by means of chiral anomalies. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 6., Registrované v: WOS
49. [1.1] VOVCHENKO, V. - KARPENKO, Iu. A. - GORENSTEIN, M. I. - SATAROV, L. M. - MISHUSTIN, I. N. - KAEMPFER, B. - STOECKER, H. Electromagnetic probes of a pure-gluon initial state in nucleus-nucleus collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024906., Registrované v: WOS
50. [1.1] YANG, C. Dielectrons and Direct Virtual Photons at RHIC-STAR. In XLIX INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2019). ISSN 2100-014X, 2020, vol. 235., Registrované v: WOS
51. [1.1] YANG, Chi. Direct photon production from the low-mass $e(+)e(-)$ measurements at STAR. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 157-160., Registrované v: WOS
52. [1.1] ZAKHAROV, B. G. Synchrotron contribution to photon emission from a quark-gluon plasma. In JETP LETTERS. ISSN 0021-3640,

2016, vol. 104, no. 4, pp. 213-217., Registrované v: WOS
 53. [1.1] ZIGIC, Dusan - SALOM, Igor - AUVINEN, Jussi -
 DJORDJEVIC, Marko - DJORDJEVIC, Magdalena. DREENA-C framework:
 joint R(AA) and v(2) predictions and implications to QGP tomography. In
 JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN
 0954-3899, 2019, vol. 46, no. 8., Registrované v: WOS

ADCA134 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. -
 BRUNCKO, Dušan - STRÍŽENEC, Pavol - URBÁN, Jozef. Direct top-quark decay
 width measurement in the t(t)-over-bar lepton plus jets channel at root s=8 TeV with
 the ATLAS experiment. In *European Physical Journal C*, 2018, vol. 78, no. 2, art.
 no. 129. (2017: 5.172 - IF, Q1 - JCR, 2.022 - SJR, Q1 - SJR, Current Contents -
 CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na:
<https://doi.org/10.1140/epjc/s10052-018-5595-5>

Ohlasy:

1. [1.1] BASKAKOV, Alexey - BOOS, Eduard - DUDKO, Lev. Model
 independent top quark width measurement using a combination of resonant and
 nonresonant cross sections. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018,
 vol. 98, no. 11, art. no. 116011., Registrované v: WOS
2. [1.1] BOOS, E. - DUDKO, L. - MANDRIK, P. - SLABOSPITSKII,
 S. Top Quark: Results and Prospects. In *PHYSICS OF PARTICLES AND
 NUCLEI*. ISSN 1063-7796, MAY 2019, vol. 50, no. 3, p. 231-258., Registrované
 v: WOS
3. [1.1] BRIVIO, I. - TROTT, M. The standard model as an effective
 field theory. In *PHYSICS REPORTS-REVIEW SECTION OF PHYSICS
 LETTERS*. ISSN 0370-1573, FEB 27 2019, vol. 793, p. 1-98., Registrované v:
 WOS
4. [1.1] BROWN, S. - ENGLERT, C. - GALLER, P. - STYLIANOU, P.
 Electroweak top couplings, partial compositeness, and top partner searches. In
PHYSICAL REVIEW D. ISSN 1550-7998, OCT 19 2020, vol. 102, no. 7.,
 Registrované v: WOS
5. [1.1] HIOKI, Z. - OHKUMA, K. - UEJIMA, A. Studying
 flavor-changing neutral tqZ couplings: Current constraints and future prospects.
 In *MODERN PHYSICS LETTERS A*. ISSN 0217-7323, NOV 10 2019, vol. 34,
 no. 34., Registrované v: WOS

ADCA135 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan -
 KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin.
 Directed Flow of Charged Particles at Midrapidity Relative to the Spectator Plane in
 Pb-Pb Collisions at root s(NN)=2.76TeV. In *Physical Review Letters*, 2013, vol.
 111, no. 23, art. no. 232302. (2012: 7.943 - IF, Q1 - JCR, 6.292 - SJR, Q1 - SJR,
 Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN
 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.111.232302>

Ohlasy:

1. [1.1] AGGARWAL, Ankush - SACKS, Michael S. An inverse
 modeling approach for semilunar heart valve leaflet mechanics: exploitation of
 tissue structure. In *BIOMECHANICS AND MODELING IN
 MECHANOBIOLOGY*. ISSN 1617-7959, 2016, vol. 15, no. 4, pp. 909-932.,
 Registrované v: WOS
2. [1.1] BANTILAN, Hans - ISHII, Takaaki - ROMATSCHKE, Paul.

- Holographic heavy-ion collisions: Analytic solutions with longitudinal flow, elliptic flow and vorticity. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 785, pp. 201-206., Registrované v: WOS
3. [1.1] BHADURY, S. - KURIAN, M. - CHANDRA, V. - JAISWAL, A. First order dissipative hydrodynamics and viscous corrections to the entropy four-current from an effective covariant kinetic theory. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, AUG 2020, vol. 47, no. 8., Registrované v: WOS
 4. [1.1] BRAVINA, L. V. - ZABRODIN, E. E. Directed flow in heavy-ion collisions at NICA: What is interesting to measure? In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 8, art. no. 245., Registrované v: WOS
 5. [1.1] GAMBINI, Guillermo - TORRIERI, Giorgio. Azimuthal instabilities of the Gribov-Levin-Ryskin equation. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 1, art. no. 17., Registrované v: WOS
 6. [1.1] CHATTERJEE, S. - BOZEK, P. Interplay of drag by hot matter and electromagnetic force on the directed flow of heavy quarks. In PHYSICS LETTERS B. ISSN 0370-2693, NOV 10 2019, vol. 798., Registrované v: WOS
 7. [1.1] CHATTERJEE, S. - BOZEK, P. Strong directed flow of heavy flavor as a probe of matter distribution in heavy-ion collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 679-682., Registrované v: WOS
 8. [1.1] KURIAN, Manu - CHANDRA, Vinod. Bulk viscosity of a hot QCD medium in a strong magnetic field within the relaxation-time approximation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 116008., Registrované v: WOS
 9. [1.1] KURIAN, M. - MITRA, S. - GHOSH, S. - CHANDRA, V. Transport coefficients of hot magnetized QCD matter beyond the lowest Landau level approximation. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 13 2019, vol. 79, no. 2., Registrované v: WOS
 10. [1.1] OLIVA, L. Electromagnetic fields and directed flow in large and small colliding systems at ultrarelativistic energies. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, OCT 6 2020, vol. 56, no. 10., Registrované v: WOS
 11. [1.1] TANG, A. H. - TU, B. - ZHOU, C. S. Practical considerations for measuring global spin alignment of vector mesons in relativistic heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 4, art. no. 044907., Registrované v: WOS
 12. [1.1] VAN DER SCHEE, Wilke - SCHENKE, Bjoern. Rapidity dependence in holographic heavy ion collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 6, art. no. 064907., Registrované v: WOS
 13. [1.1] XU, Hao-Jie - ZHAO, Jie - WANG, Xiao-Bao - LI, Han-Lin - LIN, Zi-Wei - SHEN, Cai-Wan - WANG, Fu-Qiang. Varying the chiral magnetic effect relative to flow in a single nucleus-nucleus collision. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 8, art. no. 084103., Registrované v: WOS
 14. [1.1] ZHAO, Jie. Search for the chiral magnetic effect in relativistic heavy-ion collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 13, art. no. 1830010.,

Registrované v: WOS

15. [1.1] ZHAO, J. - WANG, F.Q. Experimental searches for the chiral magnetic effect in heavy-ion collisions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, JUL 2019, vol. 107, p. 200-236.,

Registrované v: WOS

16. [1.1] ZHAO, X.L. - MA, G.L. - MA, Y.G. Impact of magnetic-field fluctuations on measurements of the chiral magnetic effect in collisions of isobaric nuclei. In PHYSICAL REVIEW C. ISSN 2469-9985, MAR 14 2019, vol. 99, no. 3., Registrované v: WOS

ADCA136 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Dynamics of isolated-photon plus jet production in pp collisions at root s=7 TeV with the ATLAS detector. In *Nuclear Physics B*, 2013, vol. 875, no. 3, p. 483-535. (2012: 4.327 - IF, Q2 - JCR, 2.791 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0550-3213. Dostupné na: <https://doi.org/10.1016/j.nuclphysb.2013.07.025>

Ohlasy:

1. [1.1] BENIC, Sanjin - DUMITRU, Adrian. Prompt photon-jet angular correlations at central rapidities in p plus A collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 014012., Registrované v: WOS

2. [1.1] DAVID, G. Direct real photons in relativistic heavy ion collisions. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, APR 2020, vol. 83, no. 4., Registrované v: WOS

3. [1.1] GOHARIPOUR, Muhammad - MEHRABAN, Hossein. Study of isolated prompt photon production in p-Pb collisions for the ALICE kinematics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 054002., Registrované v: WOS

4. [1.1] KAMENIK, J. F. - PEREZ, G. - SCHLAFFER, M. - WEILER, A. On the challenge of estimating diphoton backgrounds at large invariant mass. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 2, art. no. 126., Registrované v: WOS

5. [1.1] MEBARKI, N. - BEKLI, M. R. - AISSAOUI, H. Some applications of the revisited approximate next-to-leading higher order corrections in QCD. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 11, art. no. 1550047., Registrované v: WOS

6. [1.1] WEI, Hua-Rong - LIU, Fu-Hu. A Study of Transverse Momentum Distributions of Jets Produced in p-p, p-(p)over-bar, d-Au, Au-Au, and Pb-Pb Collisions at High Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 263135., Registrované v: WOS

ADCA137 ACHARYA, S. - ADAMOVÁ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. D-Meson Azimuthal Anisotropy in Midcentral Pb-Pb Collisions root S-NN=5.02 TeV. In *Physical Review Letters*, 2018, vol. 120, no. 10, art. no. 102301. (2017: 8.839 - IF, Q1 - JCR, 3.622 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.120.102301>

Ohlasy:

1. [1.1] BRAMBILLA, Nora - ESCOBEDO, Miguel A. - VAIRO,

- Antonio - VANDER GRIEND, Peter. Transport coefficients from in-medium quarkonium dynamics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 5, art. no. 054025., Registrované v: WOS
2. [1.1] BRAMBILLA, N. - LEINO, V. - PETRECZKY, P. - VAIRO, A. Lattice QCD constraints on the heavy quark diffusion coefficient. In PHYSICAL REVIEW D. ISSN 1550-7998, OCT 9 2020, vol. 102, no. 7., Registrované v: WOS
3. [1.1] DONG, Xin - LEE, Yen-Jie - RAPP, Ralf. Open Heavy-Flavor Production in Heavy-Ion Collisions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 69. ISSN 0163-8998, 2019, vol. 69, pp. 417-445., Registrované v: WOS
4. [1.1] KE, Weiyao - XU, Yingru - BASS, Steffen A. Linearized Boltzmann-Langevin model for heavy quark transport in hot and dense QCD matter. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 6, art. no. 064901., Registrované v: WOS
5. [1.1] LIU, Shuai Y. F. - HE, Min - RAPP, Ralf. Probing the in-medium QCD force by open heavy-flavor observables. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 5, art. no. 055201., Registrované v: WOS
6. [1.1] WANG, Sa - DAI, Wei - ZHANG, Ben-Wei - WANG, Enke. Diffusion of charm quarks in jets in high-energy heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 9., Registrované v: WOS
7. [1.1] ZIGIC, Dusan - SALOM, Igor - AUVINEN, Jussi - DJORDJEVIC, Marko - DJORDJEVIC, Magdalena. DREENA-C framework: joint R(AA) and $v(2)$ predictions and implications to QGP tomography. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 8, art. no. 085101., Registrované v: WOS
8. [1.1] ZIGIC, Dusan - SALOM, Igor - AUVINEN, Jussi - DJORDJEVIC, Marko - DJORDJEVIC, Magdalena. DREENA-B framework: First predictions of R-AA and $v(2)$ within dynamical energy loss formalism in evolving QCD medium. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 791, pp. 236-241., Registrované v: WOS
9. [1.1] ZIGIC, D. - ILIC, B. - DJORDJEVIC, M. - DJORDJEVIC, M. Exploring the initial stages in heavy-ion collisions with high-p(perpendicular to) theory and data. In PHYSICAL REVIEW C. ISSN 0556-2813, JUN 25 2020, vol. 101, no. 6., Registrované v: WOS

ADCA138 ADAM, J. - ADAMOVIĆ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. D-meson production in p-Pb collisions at root S-NN=5.02 TeV and in pp collisions at root S=7 TeV. In *Physical Review C*, 2016, vol. 94, no. 5, art. no. 054908. (2015: 3.146 - IF, Q2 - JCR, 1.993 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.94.054908>

Ohlasy:

1. [1.1] AAIJ, R. First Measurement of Charm Production in Its Fixed-Target Configuration at the LHC (vol 122, 132002, 2019). In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 23., Registrované v:

WOS

2. [1.1] HELENIUS, I. - PAUKKUNEN, H. Double D-meson production in proton-proton and proton-lead collisions at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, JAN 10 2020, vol. 800., Registrované v: WOS
3. [1.1] KRAMARIK, L. Reconstruction of D-0 meson in d plus Au collisions at $\sqrt{s_{NN}}=200$ GeV by the STAR experiment. In PHYSICA SCRIPTA. ISSN 0031-8949, JUL 2020, vol. 95, no. 7., Registrované v: WOS
4. [1.1] KRAMER, G. - SPIESBERGER, H. Study of heavy meson production in p-Pb collisions at $\sqrt{s}=5.02$ TeV in the general-mass variable-flavour-number scheme. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 925, pp. 415-430., Registrované v: WOS
5. [1.1] KUSINA, Aleksander - LANSBERG, Jean-Philippe - SCHIENBEIN, Ingo - SHAO, Hua-Sheng. Gluon Shadowing in Heavy-Flavor Production at the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 5, art. no. 052004., Registrované v: WOS
6. [1.1] KUSINA, A. - LANSBERG, J. P. - SCHIENBEIN, I. - SHAO, H. S. IMPACT OF LHC HEAVY-FLAVOUR DATA ON NUCLEAR GLUON PDF. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2018, vol. 49, no. 6, pp. 1185-1198., Registrované v: WOS
7. [1.1] MA, Yan-Qing - TRIBEDY, Prithwish - VENUGOPALAN, Raju - WATANABE, Kazuhiro. Event engineering studies for heavy flavor production and hadronization in high multiplicity hadron-hadron and hadron-nucleus collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 074025., Registrované v: WOS
8. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS
9. [1.1] PEREPELITSA, D.V. Connection between soft and hard probes of small collision systems at RHIC and LHC. In XLIX INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2019). ISSN 2100-014X, 2020, vol. 235., Registrované v: WOS
10. [1.1] SALAJEGHEH, Maral - NEJAD, S. Mohammad Moosavi - SOLEYMANINIA, Maryam - KHANPOUR, Hamzeh - TEHRANI, S. Atashbar. NNLO charmed-meson fragmentation functions and their uncertainties in the presence of meson mass corrections. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 12., Registrované v: WOS
11. [1.1] SINEGOVSKY, S. I. - SOROKOVIKOV, M. N. Production of Charmed Particles in the Quark-Gluon String Model and Estimate of Their Contributions to Atmospheric Neutrino Fluxes. In RUSSIAN PHYSICS JOURNAL. ISSN 1064-8887, 2017, vol. 60, no. 7, pp. 1189-1196., Registrované v: WOS
12. [1.1] SINEGOVSKY, S.I. - SOROKOVIKOV, M.N. Prompt atmospheric neutrinos in the quark-gluon string model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 15 2020, vol. 80, no. 1., Registrované v: WOS
13. [1.1] VOGT, R. Heavy flavor azimuthal correlations in cold nuclear matter. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034907., Registrované v: WOS
14. [1.1] VOGT, R. Update on Heavy Flavor Production in Cold Matter.

In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 04004.,
Registrované v: WOS

15. [1.1] ZENAIEV, O. Charm production and QCD analysis at HERA and LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 3, art. no. 054908., Registrované v: WOS

ADCA139 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - PASTIRČÁK, Blahoslav - ŠÁNDOR, Ladislav - VALA, Martin. D-S(+) meson production at central rapidity in proton-proton collisions at root s=7 TeV. In *Physics Letters B*, 2012, vol. 718, no. 2, p. 279-294. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2012.10.049>

Ohlasy:

1. [1.1] AJAZ, M. - KHAN, I. - SULEYMANOV, M.K. Production cross-section of heavy flavored hadrons in pp collision at root s=7 TeV. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, JUN 21 2019, vol. 34, no. 19., Registrované v: WOS

2. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS

3. [1.1] JIN, Yi - LI, Shi-Yuan - LI, Shu-Qing. New B-s(0)pi(+/-) and D-s(+/-)pi(+/-) states in high energy multiproduction process. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 014023., Registrované v: WOS

4. [1.1] LISOVYI, Mykhailo - VERBYTSKYI, Andrii - ZENAIEV, Oleksandr. Combined analysis of charm-quark fragmentation-fraction measurements. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 7, art. no. 397., Registrované v: WOS

5. [1.1] MACIULA, Rafal - SZCZUREK, Antoni. Charm quark and meson production in association with single-jet at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 114037., Registrované v: WOS

6. [1.1] MACIULA, R. PRODUCTION OF nu(tau) AND (nu)over-bar(tau) IN FIXED TARGET SHiP EXPERIMENT. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2020, vol. 51, no. 6, p. 1461-1472., Registrované v: WOS

7. [1.1] MACIULA, R. - SZCZUREK, A. - ZAREMBA, J. - BABIARZ, I. Production asymmetry of nu(tau) neutrinos and (nu)over-bar(tau) antineutrinos from a fixed target experiment SHiP. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 20 2020, no. 1., Registrované v: WOS

8. [1.1] YU, G.M. - CAI, Y.B. - BAI, Z. - HU, Q. Centrality Dependence of Charmed-Meson Photoproduction in Ultrarelativistic Heavy Ion Collisions. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, MAY 2019, vol. 71, no. 5, p. 563-567., Registrované v: WOS

9. [1.1] ZENAIEV, O. Charm production and QCD analysis at HERA and LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 3, art. no. 151., Registrované v: WOS

ADCA140 ADLOFF, C. - BRUNCKO, Dušan - FERENCEI, Jozef - KURČA, Tibor - MARÁČEK, Richard - MURÍN, Pavol. Elastic electroproduction of rho mesons at HERA. In *European Physical Journal C*, 2000, vol. 13, no. 3, p. 371-396. (1999: 6.872 - IF, Current Contents - CCC). (2000 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1007/s100520000150>

Ohlasy:

1. [1.1] DOSCH, H. G. - FERREIRA, E. Diffractive electromagnetic processes from a Regge point of view. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2015, vol. 92, no. 3, art. no. 034002., Registrované v: WOS
2. [1.1] D'HOSE, Nicole. Deeply Virtual Compton Scattering and Exclusive Meson Production. In *4TH INTERNATIONAL WORKSHOP ON TRANSVERSE POLARISATION PHENOMENA IN HARD PROCESSES (TRANSVERSITY 2014)*. ISSN 2100-014X, 2015, vol. 85, art. no. 01004., Registrované v: WOS

ADCA141 AKTAS, A. - BRUNCKO, Dušan - FERENCEI, Jozef - MURÍN, Pavol - TOMASZ, Filip. Elastic J/psi production at HERA. In *European Physical Journal C*, 2006, vol. 46, no. 3, p. 585-603. (2005: 3.209 - IF, Q2 - JCR, 1.390 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s2006-02519-5>

Ohlasy:

1. [1.1] CISEK, Anna - SCHAEFER, Wolfgang - SZCZUREK, Antoni. Exclusive photoproduction of charmonia in gamma p> Vp and pp> pVp reactions within k(t)-factorization approach. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2015, no. 4, art. no. 159., Registrované v: WOS
2. [1.1] DE GRUTTOLA, D. Charmonium photoproduction in ultra-peripheral p-Pb and Pb-Pb collisions with ALICE at the LHC. In *XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014)*. ISSN 2100-014X, 2015, vol. 90, art. no. 06005., Registrované v: WOS
3. [1.1] DOSCH, H. G. - FERREIRA, E. Diffractive electromagnetic processes from a Regge point of view. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2015, vol. 92, no. 3, art. no. 034002., Registrované v: WOS
4. [1.1] D'HOSE, Nicole. Deeply Virtual Compton Scattering and Exclusive Meson Production. In *4TH INTERNATIONAL WORKSHOP ON TRANSVERSE POLARISATION PHENOMENA IN HARD PROCESSES (TRANSVERSITY 2014)*. ISSN 2100-014X, 2015, vol. 85, art. no. 01004., Registrované v: WOS
5. [1.1] FIORE, R. - JENKOVSKY, L. - LIBOV, V. - MACHADO, M. V. T. - SALII, A. Vector meson production in ultra-peripheral collisions at the LHC. In *DIFFRACTION 2014: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS*. ISSN 0094-243X, 2015, vol. 1654, art. no. UNSP 090002., Registrované v: WOS

ADCA142 ADLOFF, C. - BRUNCKO, Dušan - FERENCEI, Jozef - KURČA, Tibor - MARÁČEK, Richard - MURÍN, Pavol. Elastic photoproduction of J/psi and gamma mesons at HERA. In *Physics Letters B*, 2000, vol. 483, no. 1-3, p. 23-35. (1999: 3.878 - IF, Current Contents - CCC). (2000 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: [https://doi.org/10.1016/S0370-2693\(00\)00530-X](https://doi.org/10.1016/S0370-2693(00)00530-X)

Ohlasy:

1. [1.1] ALVA, Daniel - HAN, Tao - RUIZ, Richard. Heavy Majorana neutrinos from W gamma fusion at hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 2, art. no. 072., Registrované v: WOS
2. [1.1] DOSCH, H. G. - FERREIRA, E. Diffractive electromagnetic processes from a Regge point of view. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 3, art. no. 034002., Registrované v: WOS
3. [1.1] D'HOSE, Nicole. Deeply Virtual Compton Scattering and Exclusive Meson Production. In 4TH INTERNATIONAL WORKSHOP ON TRANSVERSE POLARISATION PHENOMENA IN HARD PROCESSES (TRANSVERSITY 2014). ISSN 2100-014X, 2015, vol. 85, art. no. 01004., Registrované v: WOS
4. [1.1] GONCALVES, V. P. - MOREIRA, B. D. - NAVARRA, F. S. Exclusive Upsilon photoproduction in hadronic collisions at CERN LHC energies. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 742, pp. 172-177., Registrované v: WOS

ADCA143 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data (ATLAS Collaboration). In *European Physical Journal C*, 2014, vol. 74, no. 10, art. no. 3071. (2013: 5.436 - IF, Q1 - JCR, 2.323 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-014-3071-4>

Ohlasy:

1. [1.1] ALHAZMI, H. - KIM, J.H. - KONG, K. - LEWIS, I.M. Shedding light on top partner at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 16 2019, no. 1., Registrované v: WOS
2. [1.1] ATLAS Reconstruction and Performance. In SEARCHING FOR DARK MATTER WITH THE ATLAS DETECTOR. ISSN 2190-5053, 2017, pp. 55-69., Registrované v: WOS
3. [1.1] DE OLIVEIRA, L. - NACHMAN, B. - PAGANINI, M. Electromagnetic showers beyond shower shapes. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, JAN 21 2020, vol. 951., Registrované v: WOS
4. [1.1] DOMINGO, Florian - HEINEMEYER, Sven - KIM, Jong Soo - ROLBIECKI, Krzysztof. The NMSSM lives: with the 750 GeV diphoton excess. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 249., Registrované v: WOS
5. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS
6. [1.1] ELLIS, John - MAVROMATOS, Nick E. - YOU, Tevong. Light-by-Light Scattering Constraint on Born-Infeld Theory. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 118, no. 26, art. no. 261802., Registrované v: WOS
7. [1.1] FUKS, Benjamin - KIM, Jeong Han - LEE, Seung J. Probing Higgs boson self-interactions in proton-proton collisions at a center-of-mass energy of 100 TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93,

- no. 3, art. no. 035026., Registrované v: WOS
8. [1.1] HEINEMEYER, S. The 750 GeV diphoton excess and SUSY. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 17, art. no. 1630023., Registrované v: WOS
9. [1.1] KAWABATA, Sayaka - YOKOYA, Hiroshi. Top-quark mass from the diphoton mass spectrum. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 5, art. no. 323., Registrované v: WOS
10. [1.1] MANGANO, M.L. - ORTONA, G. - SELVAGGI, M. Measuring the Higgs self-coupling via Higgs-pair production at a 100 TeV p-p collider. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 8 2020, vol. 80, no. 11., Registrované v: WOS
11. [1.1] The Large Hadron Collider and the ATLAS Experiment. In HIGH JET MULTIPLICITY PHYSICS AT THE LHC. ISSN 2190-5053, 2016, pp. 25-42., Registrované v: WOS
12. [1.1] TSAI, Yuhsin - WANG, Lian-Tao - ZHAO, Yue. Faking ordinary photons by displaced dark photon decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015027., Registrované v: WOS

ADCA144 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Electron efficiency measurements with the ATLAS detector using 2012 LHC proton–proton collision data. In *European Physical Journal C*, 2017, vol. 77, no. 3, art. no. 195. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-017-4756-2>

Ohlasy:

1. [1.1] ANDERSEN, Jeppe R. - BROOKS, Helen M. - LONNBLAD, Leif. Merging high energy with soft and collinear logarithms using HEJ and PYTHIA. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 074., Registrované v: WOS
2. [1.1] BOYE, D. - MAPEKULA, X. Search for a Higgs boson decaying through $Z(\gamma)$ to 4 leptons. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2018). ISSN 1742-6588, 2019, vol. 1271., Registrované v: WOS
3. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS
4. [1.1] ELAHI, F. - MARTIN, A. LHC constraints on a (B-L)(3) gauge boson. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 19 2019, vol. 100, no. 3., Registrované v: WOS
5. [1.1] MAHAJAN, Shubhangi - PATHARKAR, Abhimanyu - KUCHE, Kaushik - MAHESHWARI, Rahul - DEB, Pran Kishore - KALIA, Kiran - TEKADE, Rakesh K. Functionalized carbon nanotubes as emerging delivery system for the treatment of cancer. In INTERNATIONAL JOURNAL OF PHARMACEUTICS. ISSN 0378-5173, 2018, vol. 548, no. 1, pp. 540-558., Registrované v: WOS
6. [1.1] SAVIN, Alexander A. Precision measurements of electroweak parameters at the LHC. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2017, vol. 40, no. 6, art. no. 201., Registrované v: WOS

ADCA145 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. In *European Physical Journal C*, 2012, vol. 72, no. 3, art. no. 1909. (2011: 3.631 - IF, Q2 - JCR, 2.962 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-012-1909-1>

Ohlasy:

1. [1.1] ATLAS Reconstruction and Performance. In *SEARCHING FOR DARK MATTER WITH THE ATLAS DETECTOR*. ISSN 2190-5053, 2017, pp. 55-69., Registrované v: WOS
2. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In *MULTIPLE PARTON INTERACTIONS AT THE LHC*. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
3. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS
4. [1.1] DREES, Manuel - DREINER, Herbert K. - KIM, Jong Soo - SCHMEIER, Daniel - TATTERSALL, Jamie. CheckMATE: Confronting your favourite new physics model with LHC data. In *COMPUTER PHYSICS COMMUNICATIONS*. ISSN 0010-4655, 2015, vol. 187, pp. 227-265., Registrované v: WOS
5. [1.1] NEMEVSEK, Miha - NESTI, Fabrizio - POPARA, Goran. Keung-Senjanovic process at the LHC: From lepton number violation to displaced vertices to invisible decays. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115018., Registrované v: WOS
6. [1.1] PAGANINI, Michela - DE OLIVEIRA, Luke - NACHMAN, Benjamin. CALOGAN: Simulating 3D high energy particle showers in multilayer electromagnetic calorimeters with generative adversarial networks. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 014021., Registrované v: WOS
7. [1.1] PENG, Tao - RAMSEY-MUSOLF, Michael J. - WINSLOW, Peter. TeV lepton number violation: From neutrinoless double-beta decay to the LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 093002., Registrované v: WOS

ADCA146 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. In *European Physical Journal C*, 2014, vol. 74, no. 7, art. no. 2941. (2013: 5.436 - IF, Q1 - JCR, 2.323 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-014-2941-0>

Ohlasy:

1. [1.1] DE OLIVEIRA, L. - NACHMAN, B. - PAGANINI, M. Electromagnetic showers beyond shower shapes. In *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED*

- EQUIPMENT. ISSN 0168-9002, JAN 21 2020, vol. 951., Registrované v: WOS
2. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS
3. [1.1] PAGANINI, Michela - DE OLIVEIRA, Luke - NACHMAN, Benjamin. CALOGAN: Simulating 3D high energy particle showers in multilayer electromagnetic calorimeters with generative adversarial networks. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 014021., Registrované v: WOS
4. [1.1] Search for New Phenomena in Events with Large Jet Multiplicities. In HIGH JET MULTIPLICITY PHYSICS AT THE LHC. ISSN 2190-5053, 2016, pp. 43-101., Registrované v: WOS
5. [1.1] The Large Hadron Collider and the ATLAS Experiment. In HIGH JET MULTIPLICITY PHYSICS AT THE LHC. ISSN 2190-5053, 2016, pp. 25-42., Registrované v: WOS

ADCA147 AABOUD, M. - AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at $s=13$ TeV. In *European Physical Journal C*, 2019, vol. 79, no. 8, art. no. 639. (2018: 4.843 - IF, Q1 - JCR, 1.972 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-019-7140-6>

Ohlasy:

1. [1.1] BEVILACQUA, G. - BI, H.Y. - HARTANTO, H.B. - KRAUS, M. - WOREK, M. The simplest of them all: $t\bar{t}$ over $W^{+/-}$ at NLO accuracy in QCD. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 10 2020, no. 8., Registrované v: WOS

ADCA148 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Elliptic flow of electrons from heavy-flavour hadron decays at mid-rapidity in Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV. In *Journal of High Energy Physics*, 2016, vol. 2016, no. 9, art. no. 028. (2015: 6.023 - IF, Q1 - JCR, 1.343 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP09\(2016\)028](https://doi.org/10.1007/JHEP09(2016)028)

Ohlasy:

1. [1.1] DONG, Xin - GRECO, Vincenzo. Heavy quark production and properties of Quark-Gluon Plasma. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 104, pp. 97-141., Registrované v: WOS
2. [1.1] SHI, Shuzhe - LIAO, Jinfeng - GYULASSY, Miklos. Global constraints from RHIC and LHC on transport properties of QCD fluids in CUJET/CIBJET framework. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 4., Registrované v: WOS

ADCA149 AAMODT, K. - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - ŠÁNDOR, Ladislav - VALA, Martin. Elliptic Flow of Charged

Particles in Pb-Pb Collisions at $\sqrt{s(NN)}=2.76$ TeV. In *Physical Review Letters*, 2010, vol. 105, no. 25, art. no. 252302. (2009: 7.328 - IF, 6.325 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.105.252302>

Ohlasy:

1. [1.1] ABBASI, Navid - ALLAHBAKHSI, Davood - DAVODY, Ali - TAGHAVI, Seyed Farid. Standardized cumulants of flow harmonic fluctuations. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 024906., Registrované v: WOS
2. [1.1] ALBACETE, Javier L. - PETERSEN, Hannah - SOTO-ONTOSO, Alba. Correlated wounded hot spots in proton-proton interactions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 064909., Registrované v: WOS
3. [1.1] ALI, Q. - ALI, Y. - HASEEB, M. - AJAZ, M. Transverse momentum and nuclear modification factor distributions of charged particles in p plus Pb and p plus p collisions at $\sqrt{s(NN)}=5.02$ TeV. In *MODERN PHYSICS LETTERS A*. ISSN 0217-7323, MAY 30 2019, vol. 34, no. 16., Registrované v: WOS
4. [1.1] ALI, Q. - ALI, Y. - HASEEB, M. - AJAZ, M. Distributions of the Transverse Momentum and Pseudorapidity of Charged Particles in pp Collisions at 0.9 TeV. In *JETP LETTERS*. ISSN 0021-3640, APR 2019, vol. 109, no. 8, p. 495-498., Registrované v: WOS
5. [1.1] ALI, Y. - ALI, Q. - HASEEB, M. - AJAZ, M. - TABASSAM, U. Study of Pseudorapidity and Transverse-Momentum Distributions of Charged Particles in pp Interactions at $s=13$ TeV Using Hadron Production Models. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, MAR 2019, vol. 58, no. 3, p. 931-938., Registrované v: WOS
6. [1.1] ALI, Y. - JAN, N. Ullah - TABASSAM, U. - SULEYMANOV, M. - BHATTI, A. S. Transverse momentum distribution of primary charged particles in p-Pb interactions at forward pseudorapidity at LHC energies. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS*. ISSN 0218-3013, 2017, vol. 26, no. 4, art. no. 1750021., Registrované v: WOS
7. [1.1] BALDO, M. - BURGIO, G. F. The nuclear symmetry energy. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2016, vol. 91, pp. 203-258., Registrované v: WOS
8. [1.1] BARI, Waseem - GANI, Qudsia - THOKER, Shamsul H. - TELI, Muzamil A. FORWARD-BACKWARD MULTIPLICITY CORRELATIONS IN RELATIVISTIC HEAVY-ION COLLISIONS. In *ACTA PHYSICA POLONICA B*. ISSN 0587-4254, 2015, vol. 46, no. 10, pp. 2039-2050., Registrované v: WOS
9. [1.1] BARI, W. - RATHER, N. A. SENSITIVITY OF MULTIPLICITY FLUCTUATIONS TO RAPIDITY IN HIGH-ENERGY NUCLEUS-NUCLEUS INTERACTIONS. In *UKRAINIAN JOURNAL OF PHYSICS*. ISSN 2071-0186, 2017, vol. 62, no. 1, pp. 12-19., Registrované v: WOS
10. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In *MULTIPLE PARTON INTERACTIONS AT THE LHC*. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS

11. [1.1] BERNHARD, Jonah E. - MORELAND, J. Scott - BASS, Steffen A. - LIU, Jia - HEINZ, Ulrich. Applying Bayesian parameter estimation to relativistic heavy-ion collisions: Simultaneous characterization of the initial state and quark-gluon plasma medium. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024907., Registrované v: WOS
12. [1.1] BHALERAO, R.S. - GIACALONE, G. - OLLITRAULT, J.Y. Primordial non-Gaussianity in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, JUL 26 2019, vol. 100, no. 1., Registrované v: WOS
13. [1.1] BHALERAO, R.S. - GIACALONE, G. - GUERRERO-RODRIGUEZ, P. - LUZUM, M. - MARQUET, C. - OLLITRAULT, J.Y. RELATING ECCENTRICITY FLUCTUATIONS TO DENSITY FLUCTUATIONS IN HEAVY-ION COLLISIONS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, JUN 2019, vol. 50, no. 6, p. 1165-1176., Registrované v: WOS
14. [1.1] BHALERAO, R.S. - GIACALONE, G. - OLLITRAULT, J.Y. Kurtosis of elliptic flow fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 30 2019, vol. 99, no. 1., Registrované v: WOS
15. [1.1] BIERLICH, C. - RASMUSSEN, C.O. Dipole evolution: perspectives for collectivity and gamma*A collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 4 2019, no. 10., Registrované v: WOS
16. [1.1] BLUHM, Marcus - HOU, Jiaxun - SCHAFER, Thomas. Determination of the Density and Temperature Dependence of the Shear Viscosity of a Unitary Fermi Gas Based on Hydrodynamic Flow. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 6, art. no. 065302., Registrované v: WOS
17. [1.1] BOZEK, Piotr. Small systems hydrodynamics. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 208-215., Registrované v: WOS
18. [1.1] BREHM, E. Heavy quarks in strongly coupled non-conformal plasmas with anisotropy. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 25 2019, no. 6., Registrované v: WOS
19. [1.1] BREWER, J. - MILHANO, J.G. - THALER, J. Sorting Out Quenched Jets. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, JUN 4 2019, vol. 122, no. 22., Registrované v: WOS
20. [1.1] BUCHEL, Alex - HELLER, Michal P. - MYERS, Robert C. Equilibration Rates in a Strongly Coupled Nonconformal Quark-Gluon Plasma. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 25, art. no. 251601., Registrované v: WOS
21. [1.1] BURKA, Klaudia. THE FLOW HARMONICS MEASUREMENT WITH THE EVENT PLANE AND MULTI-PARTICLE CUMULANT METHODS IN Pb plus Pb COLLISIONS AT 2.76 TeV IN ATLAS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 6, pp. 1625-1631., Registrované v: WOS
22. [1.1] CAO, X.M. - LIU, H. - LI, D.N. - OU, G.N. QCD phase diagram at finite isospin chemical potential and temperature in an IR-improved soft-wall AdS/QCD model. In CHINESE PHYSICS C. ISSN 1674-1137, AUG 2020, vol. 44, no. 8., Registrované v: WOS
23. [1.1] CASALDERREY-SOLANA, Jorge - GROZDANOV, Saso - STARINETS, Andrei O. Transport Peak in the Thermal Spectral Function of

- N=4 Supersymmetric Yang-Mills Plasma at Intermediate Coupling. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 19, art. no. 191603., Registrované v: WOS
24. [1.1] CASALDERREY-SOLANA, Jorge - GUSHTEROV, Nikola I. - MEIRING, Ben. Resurgence and hydrodynamic attractors in Gauss-Bonnet holography. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 4, art. no. 042., Registrované v: WOS
25. [1.1] CSANAD, Mate - CSORGO, Tamas - JIANG, Ze-Fang - YANG, Chun-Bin. Initial Energy Density of root $s = 7$ and 8 TeV p-p Collisions at the LHC. In UNIVERSE. ISSN 2218-1997, 2017, vol. 3, no. 1, art. no. 9., Registrované v: WOS
26. [1.1] CUAUTLE FLORES, Eleazar. Are the collective phenomena a universal feature of the hadronic matter created in p-p, p-A and A-A colliding systems? In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 7, art. no. 1642007., Registrované v: WOS
27. [1.1] DAS, Sruthy Jyothi - GIACALONE, Giuliano - MONARD, Pierre-Amaury - OLLITRAULT, Jean-Yves. Relating centrality to impact parameter in nucleus-nucleus collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 1, art. no. 014905., Registrované v: WOS
28. [1.1] DERRADI DE SOUZA, R. - KOIDE, T. - KODAMA, T. Hydrodynamic approaches in relativistic heavy ion reactions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 86, pp. 35-85., Registrované v: WOS
29. [1.1] DI FRANCESCO, Philippe - GUILBAUD, Maxime - LUZUM, Matthew - OLLITRAULT, Jean-Yves. Systematic procedure for analyzing cumulants at any order. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 4, art. no. 044911., Registrované v: WOS
30. [1.1] DUSLING, Kevin - LI, Wei - SCHENKE, Bjoern. Novel collective phenomena in high-energy proton-proton and proton-nucleus collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 1, art. no. 1630002., Registrované v: WOS
31. [1.1] ESHA, Roli - NASIM, Md - HUANG, Huan Zhong. Insight from elliptic flow of open charm mesons using quark coalescence model at RHIC and LHC energies. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 4, art. no. 045109., Registrované v: WOS
32. [1.1] ESPOSITO, Angelo - GYULASSY, Miklos. Hadronization scheme dependence of long-range azimuthal harmonics in high energy p plus A reactions. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 433-440., Registrované v: WOS
33. [1.1] EWERZ, Carlo - KACZMAREK, Olaf - SAMBERG, Andreas. Free energy of a heavy quark-antiquark pair in a thermal medium from AdS/CFT. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 088., Registrované v: WOS
34. [1.1] FELIPE DIAZ-CARDENAS, Alfonso - DEL RAYO SANKEY-GARCIA, Maria - DIAZ-FURLONG, Alfonso - ADRIAN DIAZ-FURLONG, Hector - XOXOCOTZI-AGUILAR, Reyna - JAIME VAZQUEZ-LOPEZ, Jose - APAM-GARCIA, Cynthia. Characteristics of the

- scientific production of Puebla institutions indexed in the Web of Science. In INVESTIGACION BIBLIOTECOLOGICA. ISSN 0187-358X, 2017, pp. 43-77., Registrované v: WOS
35. [1.1] FENG, Bohao - XU, Zhe - GREINER, Carsten. Dynamical scheme for hadronization with first-order phase transition. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 2, art. no. 024907., Registrované v: WOS
36. [1.1] FENG, Zhao - HUANG, Guang-Ming - LIU, Feng. Anisotropic flow of Pb plus Pb root S-NN=5.02 TeV from a multi-phase transport model. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 2, art. no. 024001., Registrované v: WOS
37. [1.1] FU, Wei-jie - PAWLOWSKI, Jan M. Relevance of matter and glue dynamics for baryon number fluctuations. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 116006., Registrované v: WOS
38. [1.1] GANGOPADHYAYA, Utsab - GHOSH, Snigdha - SARKAR, Sourav - MITRA, Sukanya. In-medium viscous coefficients of a hot hadronic gas mixture. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 4, art. no. 044914., Registrované v: WOS
39. [1.1] GHOSH, Snigdha - CHANDRA, Vinod. Electromagnetic spectral function and dilepton rate in a hot magnetized QCD medium. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 076006., Registrované v: WOS
40. [1.1] GIACALONE, Giuliano - YAN, Li - NORONHA-HOSTLER, Jacquelyn - OLLITRAULT, Jean-Yves. Skewness of elliptic flow fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 1, art. no. 014913., Registrované v: WOS
41. [1.1] GIACALONE, G. - GUERRERO-RODRIGUEZ, P. - LUZUM, M. - MARQUET, C. - OLLITRAULT, J.Y. Fluctuations in heavy-ion collisions generated by QCD interactions in the color glass condensate effective theory. In PHYSICAL REVIEW C. ISSN 2469-9985, AUG 8 2019, vol. 100, no. 2., Registrované v: WOS
42. [1.1] GIANNINI, A.V. - GRASSI, F. - LUZUM, M. Bulk quantities in nuclear collisions from running-coupling $k(T)$ factorization and hybrid simulations. In PHYSICAL REVIEW C. ISSN 2469-9985, JUL 31 2019, vol. 100, no. 1., Registrované v: WOS
43. [1.1] GURSOY, Umut - KHARZEEV, Dmitri - MARCUS, Eric - RAJAGOPAL, Krishna - SHEN, Chun. Charge-dependent flow induced by magnetic and electric fields in heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 5, art. no. 055201., Registrované v: WOS
44. [1.1] HABICH, M. - MILLER, G. A. - ROMATSCHKE, P. - XIANG, W. Testing hydrodynamic descriptions of p plus p collisions at TeV. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 7, art. no. 408., Registrované v: WOS
45. [1.1] HAN, Cheng - HOU, De-fu - JIANG, Bing-feng - LI, Jia-rong. Jet energy loss in quark-gluon plasma: Kinetic theory with a Bhatnagar-Gross-Krook collisional kernel. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 10, art. no. 205., Registrované v: WOS
46. [1.1] HATTA, Yoshitaka - MONNAI, Akihiko - XIAO, Bo-Wen. Flow harmonics $v(n)$ at finite density. In PHYSICAL REVIEW D. ISSN

- 1550-7998, 2015, vol. 92, no. 11, art. no. 114010., Registrované v: WOS
47. [1.1] HAYATA, Tomoya - HIDAKA, Yoshimasa - NOUMI, Toshifumi - HONGO, Masaru. Relativistic hydrodynamics from quantum field theory on the basis of the generalized Gibbs ensemble method. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 6, art. no. 065008., Registrované v: WOS
48. [1.1] HUANG, S.L. - CHEN, Z.Y. - JIA, J.Y. - LI, W. Disentangling contributions to small-system collectivity via scans of light nucleus-nucleus collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 18 2020, vol. 101, no. 2., Registrované v: WOS
49. [1.1] HULCHER, Zachary - PABLOS, Daniel - RAJAGOPAL, Krishna. Resolution effects in the hybrid strong/weak coupling model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 010., Registrované v: WOS
50. [1.1] HU, Ying - ZHANG, Wei-Ning - REN, Yan-Yu. Fluctuations of pion elliptic flow, triangular flow, and HBT correlation functions in ultrarelativistic heavy ion collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 4, art. no. 045105., Registrované v: WOS
51. [1.1] CHANDOLA, H. C. - PUNETHA, Garima - DEHNEN, H. Dual QCD thermodynamics and quark-gluon plasma. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 945, pp. 226-247., Registrované v: WOS
52. [1.1] CHANDRA, Vinod - SREEKANTH, V. Quark and gluon distribution functions in a viscous quark-gluon plasma medium and dilepton production via $q\bar{q}$ annihilation. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 094027., Registrované v: WOS
53. [1.1] CHEN, Ya-Hui - LIU, Fu-Hu. Event patterns extracted from anisotropic spectra of charged particles produced in Pb-Pb collisions at 2.76 TeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 11, art. no. 230., Registrované v: WOS
54. [1.1] CHEN, Z.Y. - GREINER, C. - XU, Z. - ZHUANG, P.F. Shear viscosity of ultrarelativistic Boson systems in the presence of a Bose-Einstein condensate. In PHYSICAL REVIEW C. ISSN 2469-9985, JUL 22 2019, vol. 100, no. 1., Registrované v: WOS
55. [1.1] CHEN, Z.Y. - GREINER, C. - HUANG, A.P. - XU, Z. Calculation of anisotropic transport coefficients for an ultrarelativistic Boltzmann gas in a magnetic field within a kinetic approach. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 27 2020, vol. 101, no. 5., Registrované v: WOS
56. [1.1] CHESLER, Paul M. - VAN DER SCHEE, Wilke. Early thermalization, hydrodynamics and energy loss in AdS/CFT. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2015, vol. 24, no. 10, art. no. 1530011., Registrované v: WOS
57. [1.1] CHKHAIDZE, L. - CHLACHIDZE, G. - DJOBAVA, T. - GALOYAN, A. - KHARKHELAURI, L. - TOGOO, R. - UZHINSKY, V. Study of azimuthal correlations in the target fragmentation region in p, d, He, C plus C, Ta and C plus Ne, Cu collisions at momenta of 4.2, 4.5 and 10 A GeV/c. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, JAN 23 2019, vol. 55, no. 1., Registrované v: WOS
58. [1.1] CHRISTIANSEN, Nicolai - HAAS, Michael - PAWLOWSKI,

- Jan M. - STRODTHOFF, Nils. Transport Coefficients in Yang-Mills Theory and QCD. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 11, art. no. 112002., Registrované v: WOS
59. [1.1] JAISWAL, Amaresh - ROY, Victor. Relativistic Hydrodynamics in Heavy-Ion Collisions: General Aspects and Recent Developments. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 9623034., Registrované v: WOS
60. [1.1] JAMAL, Mohammad Yousuf - NILIMA, Indrani - CHANDRA, Vinod - AGOTIYA, Vineet Kumar. Dissociation of heavy quarkonia in an anisotropic hot QCD medium in a quasiparticle model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 094033., Registrované v: WOS
61. [1.1] JAMAL, M. Yousuf - MITRA, Sukanya - CHANDRA, Vinod. Collective excitations of hot QCD medium in a quasiparticle description. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 094022., Registrované v: WOS
62. [1.1] JAMAL, M.Y. - CHANDRA, V. Energy loss of heavy quarks in the isotropic collisional hot QCD medium. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 2019, vol. 79, no. 9., Registrované v: WOS
63. [1.1] JAMAL, M.Y. - MITRA, S. - CHANDRA, V. Optical properties of an anisotropic hot QCD medium. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, MAR 2020, vol. 47, no. 3., Registrované v: WOS
64. [1.1] JANISZEWSKI, Stefan - KAMINSKI, Matthias. Quasinormal modes of magnetic and electric black branes versus far from equilibrium anisotropic fluids. In PHYSICAL REVIEW D. ISSN 1550-7998, 2016, vol. 93, no. 2, art. no. 025006., Registrované v: WOS
65. [1.1] JIANG, Bing-feng - HOU, De-fu - LI, Jia-rong. Polarization energy loss in hot viscous quark-gluon plasma. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 8, art. no. 085107., Registrované v: WOS
66. [1.1] JIANG, Bing-feng - HOU, De-fu - LI, Jia-rong. Refractive index of quark-gluon plasma: Kinetic theory with a Bhatnagar-Gross-Krook collisional kernel. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 074026., Registrované v: WOS
67. [1.1] KALIKOTAY, P. - CHAUDHURI, N. - GHOSH, S. - GANGOPADHYTTYA, L. - SARKAR, S. Viscous coefficients and thermal conductivity of a pi K N gas mixture in the medium. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, MAR 9 2020, vol. 56, no. 3., Registrované v: WOS
68. [1.1] KETTLER, David T. - PRINDLE, Duncan J. - TRAINOR, Thomas A. Transverse-rapidity $y(t)$ dependence of the nonjet azimuth quadrupole from 62-and 200-GeV Au-Au collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 6, art. no. 064910., Registrované v: WOS
69. [1.1] KOFARAGO, Monika. Near-side jet peak broadening in Pb-Pb collisions at root S-NN=2.76 TeV. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 342-345., Registrované v: WOS
70. [1.1] KUMAR, Avdhesh - JAMAL, M. Yousuf - CHANDRA, Vinod - BHATT, Jitesh R. Collective excitations of a hot anisotropic QCD medium with the Bhatnagar-Gross-Krook collisional kernel within an effective description. In

- PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 034007.,
Registrované v: WOS
71. [1.1] KUNDU, A. Steady States, Thermal Physics, and Holography.
In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2019, vol.
2019., Registrované v: WOS
72. [1.1] KURGYIS, Balint - CSANAD, Mate. Perturbative Accelerating
Solutions of Relativistic Hydrodynamics. In UNIVERSE. ISSN 2218-1997,
2017, vol. 3, no. 4, art. no. 84., Registrované v: WOS
73. [1.1] KURGYIS, B. - CSANAD, M. OBSERVABLES FROM A
PERTURBATIVE, ACCELERATING SOLUTION OF RELATIVISTIC
HYDRODYNAMICS. In ACTA PHYSICA POLONICA B PROCEEDINGS
SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, p. 169-174.,
Registrované v: WOS
74. [1.1] LADREM, M.L.H. - AHMED, M.A.A. - CHERIF, S. -
ALFULL, Z.Z.M. - ALMARASHI, M.M. Detailed study of the QCD Equation of
State of a colorless partonic plasma in finite volume. In INTERNATIONAL
JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, MAR 30 2019, vol.
34, no. 9., Registrované v: WOS
75. [1.1] LINNYK, O. - KONCHAKOVSKI, V. - STEINERT, T. -
CASSING, W. - BRATKOVSKAYA, E. L. Hadronic and partonic sources of
direct photons in relativistic heavy-ion collisions. In PHYSICAL REVIEW C.
ISSN 0556-2813, 2015, vol. 92, no. 5, art. no. 054914., Registrované v: WOS
76. [1.1] LIU, Z.M. - BEHERA, A. - SONG, H.C. - JIA, J.Y. Robustness
of principal component analysis of harmonic flow in heavy ion collisions. In
PHYSICAL REVIEW C. ISSN 0556-2813, AUG 17 2020, vol. 102, no. 2.,
Registrované v: WOS
77. [1.1] LI, Bao-Chun - BAI, Ting - GUO, Yuan-Yuan - LIU, Fu-Hu. On
J/psi and Upsilon Transverse Momentum Distributions in High Energy
Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357,
2017, art. no. 9383540., Registrované v: WOS
78. [1.1] LI, S.Q. - XING, W.J. - LIU, F.L. - CAO, S.S. - QIN, G.Y.
Heavy flavor quenching and flow: the roles of initial condition, pre-equilibrium
evolution, and in-medium interaction *. In CHINESE PHYSICS C. ISSN
1674-1137, NOV 2020, vol. 44, no. 11., Registrované v: WOS
79. [1.1] MEHRABPOUR, H. Systematic analysis of flow distributions.
In PHYSICAL REVIEW C. ISSN 2469-9985, DEC 11 2020, vol. 102, no. 6.,
Registrované v: WOS
80. [1.1] MEHRABPOUR, H. - TAGHAVI, S.F. Non-Bessel-Gaussianity
and flow harmonic fine-splitting. In EUROPEAN PHYSICAL JOURNAL C.
ISSN 1434-6044, JAN 29 2019, vol. 79, no. 1., Registrované v: WOS
81. [1.1] MITRA, Sukanya - CHANDRA, Vinod. Thermal relaxation,
electrical conductivity, and charge diffusion in a hot QCD medium. In
PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 034025.,
Registrované v: WOS
82. [1.1] MITRA, Sukanya - CHANDRA, Vinod. Covariant kinetic
theory for effective fugacity quasiparticle model and first order transport
coefficients for hot QCD matter. In PHYSICAL REVIEW D. ISSN 2470-0010,
2018, vol. 97, no. 3, art. no. 034032., Registrované v: WOS
83. [1.1] MONNAI, Akihiko. Effective distributions of quasiparticles for
thermal photons. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 92, no.

- 1, art. no. 014905., Registrované v: WOS
84. [1.1] MONNAI, Akihiko. Off-equilibrium corrections to energy and conserved charge densities in the relativistic fluid in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034902., Registrované v: WOS
85. [1.1] MONNAI, A. Landau and Eckart frames for relativistic fluids in nuclear collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, JUL 8 2019, vol. 100, no. 1., Registrované v: WOS
86. [1.1] MONNAI, A. Medium-induced optical effects for prompt photons. In NUCLEAR PHYSICS A. ISSN 0375-9474, MAR 2020, vol. 995., Registrované v: WOS
87. [1.1] NASIM, Md - SINGHA, Subhash. Directed flow of open charm in Au plus Au collisions at root s(NN)=200 GeV using a quark coalescence model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 6, art. no. 064917., Registrované v: WOS
88. [1.1] NAYAK, K. - SHI, S.S. - XU, N. - LIN, Z.W. Energy dependence study of directed flow in Au plus Au collisions using an improved coalescence in a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 7 2019, vol. 100, no. 5., Registrované v: WOS
89. [1.1] NIEMI, H. - ESKOLA, K. J. - PAATELAINEN, R. Event-by-event fluctuations in a perturbative QCD plus saturation plus hydrodynamics model: Determining QCD matter shear viscosity in ultrarelativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 2, art. no. 024907., Registrované v: WOS
90. [1.1] NORONHA-HOSTLER, Jacquelyn - LUZUM, Matthew - OLLITRAULT, Jean-Yves. Hydrodynamic predictions for 5.02 TeV Pb-Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 3, art. no. 034912., Registrované v: WOS
91. [1.1] NOUICER, R. New state of nuclear matter: Nearly perfect fluid of quarks and gluons in heavy-ion collisions at RHIC energies. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2016, vol. 131, no. 3, art. no. 70., Registrované v: WOS
92. [1.1] PANG, Long-Gang - QIN, Guang-You - ROY, Victor - WANG, Xin-Nian - MA, Guo-Liang. Longitudinal decorrelation of anisotropic flows in heavy-ion collisions at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 91, no. 4, art. no. 044904., Registrované v: WOS
93. [1.1] PARI, Sharareh Mehrabi - JAVIDAN, Kurosh - SHAHRI, Fatemeh Taghavi. Viscosity to entropy ratio of QGP in relativistic heavy ion collision: Hard thermal loop corrections. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 6, art. no. 1650040., Registrované v: WOS
94. [1.1] PAUKKUNEN, Hannu. Neutron skin and centrality classification in high-energy heavy-ion collisions at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 745, pp. 73-78., Registrované v: WOS
95. [1.1] PLUMARI, Salvatore - GUARDO, Giovanni Luca - GRECO, Vincenzo - OLLITRAULT, Jean-Yves. Viscous corrections to anisotropic flow and transverse momentum spectra from transport theory. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 941, pp. 87-96., Registrované v: WOS
96. [1.1] PLUMARI, Salvatore - SCARDINA, Francesco - MINISSALE,

- Vincenzo - OLIVA, Lucia - GRECO, Vincenzo. Initial State fluctuations from midperipheral to ultracentral collisions in a transport approach. In TNPI2016 XV CONFERENCE ON THEORETICAL NUCLEAR PHYSICS IN ITALY. ISSN 1742-6588, 2018, vol. 981, art. no. 012017., Registrované v: WOS
97. [1.1] PLUMARI, S. Anisotropic flows and the shear viscosity of the QGP within an event-by-event massive parton transport approach. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 3 2019, vol. 79, no. 1., Registrované v: WOS
98. [1.1] PLUMARI, S. - GUARDO, G. L. - SCARDINA, F. - GRECO, V. Initial-state fluctuations from midperipheral to ultracentral collisions in an event-by-event transport approach. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 5, art. no. 054902., Registrované v: WOS
99. [1.1] PRASANTH, J. P. - BANNUR, Vishnu M. Transport coefficients of Quark-Gluon plasma with full QCD potential. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2018, vol. 498, pp. 10-16., Registrované v: WOS
100. [1.1] PRASANTH, J.P. - KOOTHOTTIL, S. - BANNUR, V.M. Revisiting Cornell potential model of the Quark-Gluon plasma. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, NOV 15 2020, vol. 558., Registrované v: WOS
101. [1.1] PRATT, Scott - SANGALINE, Evan - SORENSEN, Paul - WANG, Hui. Constraining the Equation of State of Superhadronic Matter from Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 20, art. no. 202301., Registrované v: WOS
102. [1.1] QIN, Guang-You. Anisotropic flow and jet quenching in relativistic nuclear collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2015, vol. 24, no. 2, art. no. 1530001., Registrované v: WOS
103. [1.1] REIS, Daniel M. - REYES-GOMEZ, Ernesto - OLIVEIRA, Luiz E. - DE CARVALHO, Carlos A. A. Electromagnetic Propagation in a Relativistic Electron Gas at Finite Temperatures. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2018, vol. 530, no. 7, art. no. 1700443., Registrované v: WOS
104. [1.1] REITEN, J. - SADOFYEV, A.V. Drag force to all orders in gradients. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 22 2020, no. 7., Registrované v: WOS
105. [1.1] RODE, S.P. - BHADURI, P.P. - ROY, A. Anisotropic flow of charged and identified hadrons at FAIR energies and its dependence on the nuclear equation of state. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, NOV 2019, vol. 55, no. 11., Registrované v: WOS
106. [1.1] RUGGIERI, M. - PLUMARI, S. - SCARDINA, F. - GRECO, V. Quarks production in the quark-gluon plasma created in relativistic heavy ion collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 941, pp. 201-211., Registrované v: WOS
107. [1.1] RYBCZYNSKI, Maciej - BRONIOWSKI, Wojciech. FLUCTUATIONS OF FLOW HARMONICS IN Pb plus Pb COLLISIONS AT $\sqrt{s(NN)}=2.76$ TeV FROM THE GLAUBER MODEL. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 4, pp. 1033-1044., Registrované v: WOS
108. [1.1] SAKAI, A. - MURASE, K. - HIRANO, T. Rapidity decorrelation of anisotropic flow caused by hydrodynamic fluctuations. In

- PHYSICAL REVIEW C. ISSN 2469-9985, DEC 2 2020, vol. 102, no. 6.,
Registrované v: WOS
109. [1.1] SARKAR, Soumya - MALI, Provash - MUKHOPADHYAY, Amitabha. Azimuthal anisotropy in particle distribution in a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 2, art. no. 024913., Registrované v: WOS
110. [1.1] SARKAR, Soumya - MALI, Provash - GHOSH, Somnath - MUKHOPADHYAY, Amitabha. Radial Flow in a Multiphase Transport Model at FAIR Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2018, art. no. 7453752., Registrované v: WOS
111. [1.1] SARKAR, S. - MALI, P. - MUKHOPADHYAY, A. Simulation study of elliptic flow of charged hadrons produced in Au plus Au collisions at energies available at the Facility for Antiproton and Ion Research. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 1, art. no. 014908., Registrované v: WOS
112. [1.1] SHI, Shao-wu - JIANG, Bing-feng - HOU, De-fu - LI, Jia-rong. The fluctuation energy exchange of a heavy quark in a collisional quark-gluon plasma. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 979, pp. 265-275., Registrované v: WOS
113. [1.1] SINGHA, Subhash - NASIM, Md. Scaling of elliptic flow in heavy-ion collisions with the number of constituent quarks in a transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 3, art. no. 034908., Registrované v: WOS
114. [1.1] STASTO, Anna M. - ZASLAVSKY, David. Saturation in inclusive production beyond leading logarithm accuracy. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 24, art. no. 1630039., Registrované v: WOS
115. [1.1] SULEYMANOV, M. THE COLLECTIVE BEHAVIOR OF THE PARTONS AND ITS INFLUENCE ON THE JET SUPPRESSION IN HEAVY ION COLLISIONS.. In MODERN TRENDS IN PHYSICS. ISSN 2522-4352, 2019, p. 270-274., Registrované v: WOS
116. [1.1] SUN, Yifeng - KO, Che Ming. Chiral kinetic approach to the chiral magnetic effect in isobaric collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 1, art. no. 014911., Registrované v: WOS
117. [1.1] TRAINOR, Thomas A. Rescuing the nonjet (NJ) azimuth quadrupole from the flow narrative. In XLVI INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2016). ISSN 2100-014X, 2017, vol. 141, art. no. UNSP 05004., Registrované v: WOS
118. [1.1] TU, B. - SHI, S.S. - LIU, F. Elliptic flow of transported and produced protons in Au plus Au collisions with the UrQMD model. In CHINESE PHYSICS C. ISSN 1674-1137, MAY 2019, vol. 43, no. 5., Registrované v: WOS
119. [1.1] WANG, E.Q. - MA, Y.Q. - GAO, L.N. - FAN, S.H. Elliptic Flow of Identified Particles in Pb-Pb Collisions at $\sqrt{s(NN)}=5.02$ TeV. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, JAN 27 2020, vol. 2020., Registrované v: WOS
120. [1.1] WANG, L-L. Centrality dependence of charged-particle pseudorapidity density distributions in Cu-Cu collisions at high energies. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, 2016, vol. 90, no. 11, pp. 1285-1292., Registrované v: WOS
121. [1.1] WOSIEK, Barbara. Azimuthal anisotropies in Pb plus Pb and p

plus Pb collisions with the ATLAS detector. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 352, pp. 117-128., Registrované v: WOS

122. [1.1] WU, Xiang-Yu - PANG, Long-Gang - QIN, Guang-You - WANG, Xin-Nian. Longitudinal fluctuations and decorrelations of anisotropic flows at energies available at the CERN Large Hadron Collider and at the BNL Relativistic Heavy Ion Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 024913., Registrované v: WOS

123. [1.1] XU, Zhe - ZHOU, Kai - ZHUANG, Pengfei - GREINER, Carsten. Thermalization of Gluons with Bose-Einstein Condensation. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 18, art. no. 182301., Registrované v: WOS

124. [1.1] YANG, Jing - REN, Yan-Yu - ZHANG, Wei-Ning. Pion Transverse Momentum Spectrum, Elliptic Flow, and Interferometry in the Granular Source Model for RHIC and LHC Heavy Ion Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 846154., Registrované v: WOS

125. [1.1] YAN, Li - OLLITRAULT, Jean-Yves - POSKANZER, Arthur M. Azimuthal anisotropy distributions in high-energy collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 742, pp. 290-295., Registrované v: WOS

126. [1.1] ZHANG, Rui - FU, Wei-jie - LIU, Yu-xin. Properties of mesons in a strong magnetic field. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 6, art. no. 307., Registrované v: WOS

127. [1.1] ZHOU, You - ZHU, Xiangrong - LI, Pengfei - SONG, Huichao. Investigation of possible hadronic flow in $\sqrt{s(NN)}=5.02$ TeV p-Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 91, no. 6, art. no. 064908., Registrované v: WOS

128. [1.1] ZHOU, You. Review of Anisotropic Flow Correlations in Ultrarelativistic Heavy-Ion Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 9365637., Registrované v: WOS

129. [1.1] ZHU, Z.R. - FENG, S.Q. - SHI, Y.F. - ZHONG, Y. Energy loss of heavy and light quarks in holographic magnetized background. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 4 2019, vol. 99, no. 12., Registrované v: WOS

ADCA150 ABELEV, Betty - ADAM, J. - ADAMOVIĆ, D. - AGGARWAL, M.M. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Elliptic flow of identified hadrons in Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV. In *Journal of High Energy Physics*, 2015, vol. 2015, no. 6, art. no. 190. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP06\(2015\)190](https://doi.org/10.1007/JHEP06(2015)190)

Ohlasy:

1. [1.1] ALQAHTANI, Mubarak - NOPOUSH, Mohammad - RYBLEWSKI, Radoslaw - STRICKLAND, Michael. Anisotropic hydrodynamic modeling of 2.76 TeV Pb-Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 4, art. no. 044910., Registrované v: WOS

2. [1.1] ALQAHTANI, Mubarak - NOPOUSH, Mohammad - RYBLEWSKI, Radoslaw - STRICKLAND, Michael. (3+1)D Quasiparticle

- Anisotropic Hydrodynamics for Ultrarelativistic Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 4, art. no. 042301., Registrované v: WOS
3. [1.1] ALQAHTANI, Mubarak - NOPOUSH, Mohammad - STRICKLAND, Michael. Relativistic anisotropic hydrodynamics. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 101, pp. 204-248., Registrované v: WOS
 4. [1.1] BEGUN, Viktor - KIKOLA, Daniel - VOYCHENKO, Volodymyr - WIELANEK, Daniel. Estimation of the freeze-out parameters reachable in a fixed-target experiment at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034905., Registrované v: WOS
 5. [1.1] CIMERMAN, Jakub - TOMASIK, Boris - CSANAD, Mate - LOKOS, Sandor. Higher-order anisotropies in the blast-wave model: Disentangling flow and density field anisotropies. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 8, art. no. 161., Registrované v: WOS
 6. [1.1] CUAUTLE FLORES, Eleazar. Are the collective phenomena a universal feature of the hadronic matter created in p-p, p-A and A-A colliding systems? In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 7, art. no. 1642007., Registrované v: WOS
 7. [1.1] DONG, Xin - GRECO, Vincenzo. Heavy quark production and properties of Quark-Gluon Plasma. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 104, pp. 97-141., Registrované v: WOS
 8. [1.1] DUSLING, Kevin - LI, Wei - SCHENKE, Bjoern. Novel collective phenomena in high-energy proton-proton and proton-nucleus collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 1, art. no. 1630002., Registrované v: WOS
 9. [1.1] GOUDARZI, A. - WANG, G. - HUANG, H.Z. Evidence of coalescence sum rule in elliptic flow of identified particles in high-energy heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS
 10. [1.1] GU, A. - EDMONDS, T. - ZHAO, J. - WANG, F.Q. Elliptic flow coalescence to identify the $f(0)(980)$ content. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 12 2020, vol. 101, no. 2., Registrované v: WOS
 11. [1.1] HE, Yuncun - LIN, Zi-Wei. Improved quark coalescence for a multi-phase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 1, art. no. 014910., Registrované v: WOS
 12. [1.1] KO, Che Ming. Theoretical perspective on strangeness production. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 03002., Registrované v: WOS
 13. [1.1] MCDONALD, Scott - SHEN, Chun - FILLION-GOURDEAU, Francois - JEON, Sangyong - GALE, Charles. Hydrodynamic predictions for Pb plus Pb collisions at 5.02 TeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 064913., Registrované v: WOS
 14. [1.1] NAGLE, James L. - ZAJC, William A. Small System

- Collectivity in Relativistic Hadronic and Nuclear Collisions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 68. ISSN 0163-8998, 2018, vol. 68, pp. 211-235., Registrované v: WOS
15. [1.1] NARA, Yasushi - NIEMI, Harri - OHNISHI, Akira - STEINHEIMER, Jan - LUO, Xiaofeng - STOECKER, Horst. Enhancement of elliptic flow can signal a first-order phase transition in high-energy heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 2, art. no. 18., Registrované v: WOS
16. [1.1] PU, Jie - SUN, Kai-Jia - CHEN, Lie-Wen. Extracting strange-quark freeze-out information in Pb plus Pb collisions at root S-NN=2.76 TeV from phi and ohm production. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 6, art. no. 064905., Registrované v: WOS
17. [1.1] RU, Peng - BARY, Ghulam - ZHANG, Wei-Ning. Pion transverse-momentum spectrum and elliptic anisotropy of partially coherent source. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 777, pp. 79-85., Registrované v: WOS
18. [1.1] RYU, Sangwook - PAQUET, Jean-Francois - SHEN, Chun - DENICOL, Gabriel - SCHENKE, Bjorn - JEON, Sangyong - GALE, Charles. Effects of bulk viscosity and hadronic rescattering in heavy ion collisions at energies available at the BNL Relativistic Heavy Ion Collider and at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034910., Registrované v: WOS
19. [1.1] SANGALINE, Evan - PRATT, Scott. Toward a deeper understanding of how experiments constrain the underlying physics of heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 2, art. no. 024908., Registrované v: WOS
20. [1.1] SARKAR, Soumya - MALI, Provash - MUKHOPADHYAY, Amitabha. Azimuthal anisotropy in particle distribution in a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 2, art. no. 024913., Registrované v: WOS
21. [1.1] SARKAR, S. - MALI, P. - MUKHOPADHYAY, A. Simulation study of elliptic flow of charged hadrons produced in Au plus Au collisions at energies available at the Facility for Antiproton and Ion Research. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 1, art. no. 014908., Registrované v: WOS
22. [1.1] SHI, Shusu. An Experimental Review on Elliptic Flow of Strange and Multistrange Hadrons in Relativistic Heavy Ion Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 1987432., Registrované v: WOS
23. [1.1] SINGH, Arpit - SRIVASTAVA, P. K. - CHATURVEDI, O. S. K. - AHMAD, S. - SINGH, B. K. Transverse momentum distribution and elliptic flow of charged hadrons in U plus U collisions at root S-NN=193 GeV using HYDJET plus. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 5, art. no. 419., Registrované v: WOS
24. [1.1] STRICKLAND, Michael. Recent progress in anisotropic hydrodynamics. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 07026., Registrované v: WOS
25. [1.1] XU, Hao-jie - LI, Zhuopeng - SONG, Huichao. High-order flow harmonics of identified hadrons in 2.76A TeV Pb plus Pb collisions. In

PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 6, art. no. 064905.,
Registrované v: WOS

26. [1.1] XU, Zhenyu - LIU, Jianli - ZHANG, Panpan - WEI, Donghai -
ZHANG, Jingbo - HUO, Lei. Elliptic flow of hadrons in Au plus Au collisions at
root S-NN=7.7, 19.6 and 39 GeV from a multi-phase transport model based on a
dynamical quark coalescence mechanism. In JOURNAL OF PHYSICS
G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no.
7., Registrované v: WOS

27. [1.1] YOUNUS, M. - MURONGA, A. Third order viscous
hydrodynamics from the entropy four current. In PHYSICAL REVIEW C. ISSN
0556-2813, SEP 3 2020, vol. 102, no. 3., Registrované v: WOS

28. [1.1] ZHU, Lilin - ZHENG, Hua - KO, Che Ming - SUN, Yifeng.
Light nuclei production in Pb plus Pb collisions at root s(NN)=2.76 TeV. In
EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 10,
art. no. 175., Registrované v: WOS

ADCA151 ADAM, J. - ADAMOVIĆ, D. - AGGARWAL, M.M. - AGLIERI RINELLA,
G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián -
MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Elliptic flow of muons
from heavy-flavour hadron decays at forward rapidity in Pb–Pb collisions at root
s(NN)=2.76 TeV. In *Physics Letters B*, 2016, vol. 753, p. 41-56. (2015: 4.787 - IF,
Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current
Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na:
<https://doi.org/10.1016/j.physletb.2015.11.059>

Ohlasy:

1. [1.1] BERREHRAH, H. - NAHRGANG, M. - SONG, T. -
OZVENCHUCK, V. - GOSSIAUX, P. B. - WERNER, K. - BRATKOVSKAYA,
E. - AICHELIN, J. Degrees of Freedom of the Quark Gluon Plasma, Tested by
Heavy Mesons. In NEW HORIZONS IN FUNDAMENTAL PHYSICS, 2017,
pp. 151-165., Registrované v: WOS

2. [1.1] NAHRGANG, Marlene - AICHELIN, Jorg - GOSSIAUX, Pol
Bernard - WERNER, Klaus. Toward a consistent evolution of the quark-gluon
plasma and heavy quarks. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016,
vol. 93, no. 4, art. no. 044909., Registrované v: WOS

ADCA152 ACHARYA, S. - ACOSTA, F.T. - ADAMOVIĆ, D. - ADOLFSSON, J. -
AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián -
MUŠINSKÝ, Ján - VALA, Martin. Energy dependence and fluctuations of
anisotropic flow in Pb-Pb collisions at root s(NN)=5.02 and 2.76 TeV. In *Journal of
High Energy Physics*, 2018, no. 7, art. no. 103. (2017: 5.541 - IF, Q1 - JCR, 1.227 -
SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS,
SCOPUS). ISSN 1029-8479. Dostupné na:
[https://doi.org/10.1007/JHEP07\(2018\)103](https://doi.org/10.1007/JHEP07(2018)103)

Ohlasy:

1. [1.1] BHALERAO, Rajeev S. - GIACALONE, Giuliano -
OLLITRAULT, Jean-Yves. Primordial non-Gaussianity in heavy-ion collisions.
In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 1, art. no.
014909., Registrované v: WOS

2. [1.1] BHALERAO, Rajeev S. - GIACALONE, Giuliano -
GUERRERO-RODRIGUEZ, Pablo - LUZUM, Matthew - MARQUET, Cyrille -

- OLLITRAULT, Jean-Yves. RELATING ECCENTRICITY FLUCTUATIONS TO DENSITY FLUCTUATIONS IN HEAVY-ION COLLISIONS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2019, vol. 50, no. 6, pp. 1165-1176., Registrované v: WOS
3. [1.1] BHALERAO, Rajeev S. - GIACALONE, Giuliano - OLLITRAULT, Jean-Yves. Kurtosis of elliptic flow fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 1, art. no. 014907., Registrované v: WOS
4. [1.1] BRAUN, M.A. - PAJARES, C. Elliptic and triangular flows in dAu collisions at 200 GeV in the fusing color string model. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, FEB 5 2020, vol. 56, no. 2., Registrované v: WOS
5. [1.1] CARZON, P. - RAO, S. - LUZUM, M. - SIEVERT, M. - NORONHA-HOSTLER, J. Possible octupole deformation of Pb-208 and the ultracentral $v(2)$ to $v(3)$ puzzle. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 9 2020, vol. 102, no. 5., Registrované v: WOS
6. [1.1] CIRKOVIC, P. - MILOSEVIC, J. - NADDERD, L. - WANG, F. - ZHU, X. Skewness of the elliptic flow distribution in root S-NN=5.02 TeV PbPb collisions from the HYDJET plus plus model. In PHYSICAL REVIEW C. ISSN 2469-9985, MAR 12 2020, vol. 101, no. 3., Registrované v: WOS
7. [1.1] DJORDJEVIC, Magdalena - STOJKU, Stefan - DJORDJEVIC, Marko - HUOVINEN, Pasi. Shape of the quark gluon plasma droplet reflected in the high-p(perpendicular to) data. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 3, art. no. 031901., Registrované v: WOS
8. [1.1] GIACALONE, Giuliano - GUERRERO-RODRIGUEZ, Pablo - LUZUM, Matthew - MARQUET, Cyrille - OLLITRAULT, Jean-Yves. Fluctuations in heavy-ion collisions generated by QCD interactions in the color glass condensate effective theory. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2, art. no. 024905., Registrované v: WOS
9. [1.1] GIACALONE, Giuliano. Elliptic flow fluctuations in central collisions of spherical and deformed nuclei. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 2, art. no. 024910., Registrované v: WOS
10. [1.1] GIACALONE, G. - SCHENKE, B. - SHEN, C. Observable Signatures of Initial State Momentum Anisotropies in Nuclear Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, NOV 5 2020, vol. 125, no. 19., Registrované v: WOS
11. [1.1] KURKELA, Aleksi - WIEDEMANN, Urs Achim - WU, Bin. Flow in AA and pA as an interplay of fluid-like and non-fluid like excitations. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 11, art. no. 965., Registrované v: WOS
12. [1.1] LAVROV, N. - DRUZHININ, A. - ALEKSEEVA, N. Description and Analysis of Economic Efficiency of the Real Estate Model Transformed in the Framework of Digitalization. In INTERNATIONAL SCIENTIFIC CONFERENCE DIGITAL TRANSFORMATION ON MANUFACTURING, INFRASTRUCTURE AND SERVICE. ISSN 1757-8981, 2020, vol. 940., Registrované v: WOS
13. [1.1] SCHENKE, B. - SHEN, C. - TRIBEDY, P. Running the gamut of high energy nuclear collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, OCT 15 2020, vol. 102, no. 4., Registrované v: WOS
14. [1.1] ZAKHAROV, B.G. Collective Nuclear Vibrations and Initial

State Shape Fluctuations in Central Pb plus Pb Collisions: Resolving the $\epsilon(2)$ to $\epsilon(3)$ Puzzle. In JETP LETTERS. ISSN 0021-3640, OCT 2020, vol. 112, no. 7, p. 393-398., Registrované v: WOS

15. [1.1] ZIGIC, Dusan - SALOM, Igor - AUVINEN, Jussi - DJORDJEVIC, Marko - DJORDJEVIC, Magdalena. DREENA-C framework: joint $R(\text{AA})$ and $v(2)$ predictions and implications to QGP tomography. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 8, art. no. 085101., Registrované v: WOS
16. [1.1] ZIGIC, Dusan - SALOM, Igor - AUVINEN, Jussi - DJORDJEVIC, Marko - DJORDJEVIC, Magdalena. DREENA-B framework: First predictions of $R\text{-AA}$ and $v(2)$ within dynamical energy loss formalism in evolving QCD medium. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 791, pp. 236-241., Registrované v: WOS
17. [1.1] ZIGIC, D. - ILIC, B. - DJORDJEVIC, M. - DJORDJEVIC, M. Exploring the initial stages in heavy-ion collisions with high- p (perpendicular to) theory and data. In PHYSICAL REVIEW C. ISSN 0556-2813, JUN 25 2020, vol. 101, no. 6., Registrované v: WOS

ADCA153 ACHARYA, S. - ACOSTA, F.T. - ADAM, J. - ADAMOVIĆ, D. - ADLER, A. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Energy dependence of exclusive J/ψ photoproduction off protons in ultra-peripheral p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. In *European Physical Journal C*, 2019, vol. 79, no. 5, art. no. 402. (2018: 4.843 - IF, Q1 - JCR, 1.972 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-019-6816-2>

Ohlasy:

1. [1.1] KLEIN, S.R. - STEINBERG, P. Photonuclear and Two-Photon Interactions at High-Energy Nuclear Colliders. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 323-354., Registrované v: WOS
2. [1.1] LAPPI, T. - MANTYSAARI, H. - PENTTALA, J. Relativistic corrections to the vector meson light front wave function. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 22 2020, vol. 102, no. 5., Registrované v: WOS
3. [1.1] MANTYSAARI, H. Review of proton and nuclear shape fluctuations at high energy. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, AUG 2020, vol. 83, no. 8., Registrované v: WOS
4. [1.1] SAMBASIVAM, B. - TOLL, T. - ULLRICH, T. Investigating saturation effects in ultraperipheral collisions at the LHC with the color dipole model. In PHYSICS LETTERS B. ISSN 0370-2693, APR 10 2020, vol. 803., Registrované v: WOS

ADCA154 ACHARYA, S. - ADAMOVIĆ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Energy dependence of forward-rapidity J/ψ and $\psi(2S)$ production in pp collisions at the LHC. In *European Physical Journal C*, 2017, vol. 77, no. 6, art. no. 392. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-017-4940-4>

Ohlasy:

1. [1.1] DU, Xiaojian - RAPP, Ralf. In-medium charmonium production in proton-nucleus collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2019, no. 3., Registrované v: WOS
2. [1.1] CHEN, Y.H. - MA, Y.G. - MA, G.L. - CHEN, J.H. Transverse momentum spectra of J/psi produced in collisions over an energy range from 17.4 GeV to 13 TeV. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, APR 2020, vol. 47, no. 4., Registrované v: WOS

ADCA155 ABELEV, Betty - ADAM, J. - ADAMOVIĆ, D. - ADARE, A.M. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - ŠÁNDOR, Ladislav - VALA, Martin. Energy dependence of the transverse momentum distributions of charged particles in pp collisions measured by ALICE. In *European Physical Journal C*, 2013, vol. 73, no. 12, art. no. 2662. (2012: 5.247 - IF, Q1 - JCR, 3.034 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-013-2662-9>

Ohlasy:

1. [1.1] ABDEL-WAGED, Khaled - FELEMBAN, Nuha. Effects of shadowing in Pb plus Pb collisions at energies available at the CERN Large Hadron Collider within the HIJING code. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 9, art. no. 155., Registrované v: WOS
2. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
3. [1.1] BERTONE, V. - HARTLAND, N. P. - NOCERA, E. R. - ROJO, J. - ROTTOLI, L. Charged hadron fragmentation functions from collider data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 8, art. no. 651., Registrované v: WOS
4. [1.1] CASTORINA, P. - IORIO, A. - LANTERI, D. - SATZ, H. - SPOUSTA, M. Universality in hadronic and nuclear collisions at high energy. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 11 2020, vol. 101, no. 5., Registrované v: WOS
5. [1.1] EPELE, M. - CANAL, C.G. - SASSOT, R. Heavy quark mass effects in parton-to-kaon hadronization probabilities. In PHYSICS LETTERS B. ISSN 0370-2693, MAR 10 2019, vol. 790, p. 102-107., Registrované v: WOS
6. [1.1] GOTSMAN, E. - LEVIN, E. Thermal radiation and inclusive production in the Kharzeev-Levin-Nardi model for ion-ion collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 12 2019, vol. 100, no. 3., Registrované v: WOS
7. [1.1] GOTSMAN, E. - LEVIN, E. Thermal radiation and inclusive production in the CGC/saturation approach at high energies. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 17 2019, vol. 79, no. 5., Registrované v: WOS
8. [1.1] KIREYEU, V. - GRISHMANOVSKII, I. - KOLESNIKOV, V. - VORONYUK, V. - BRATKOVSKAYA, E. Hadron production in elementary nucleon-nucleon reactions from low to ultra-relativistic energies. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, SEP 4 2020, vol. 56, no. 9.,

Registrované v: WOS

9. [1.1] MIZOGUCHI, Takuya - BIYAJIMA, Minoru - SUZUKI, Naomichi. Analyses of whole transverse momentum distributions in $p(\bar{p})$ and pp collisions by using a modified version of Hagedorn's formula. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 11, art. no. 1750057., Registrované v: WOS

10. [1.1] MOHAMADITABAR, A. - TAGHAVI-SHAHRI, F. - KHANPOUR, H. - SOLEYMANINIA, M. Determination of contributions from residual light charged hadrons to inclusive charged hadrons from $e(+)e(-)$ annihilation data. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, OCT 2019, vol. 55, no. 10., Registrované v: WOS

11. [1.1] MORIGGI, L.S. - PECCINI, G.M. - MACHADO, M.V.T. Investigating the inclusive transverse spectra in high-energy pp collisions in the context of geometric scaling framework. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 13 2020, vol. 102, no. 3., Registrované v: WOS

12. [1.1] OSADA, T. - KUMAOKA, T. Saturation momentum scale extracted from semi-inclusive transverse spectra in high-energy pp collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, SEP 26 2019, vol. 100, no. 3., Registrované v: WOS

13. [1.1] PRASZALOWICZ, Michal. Saturation and geometrical scaling. In XLVI INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2016). ISSN 2100-014X, 2017, vol. 141, art. no. 05005., Registrované v: WOS

14. [1.1] SARASWAT, Kapil - SHUKLA, Prashant - SINGH, Venktesh. Transverse momentum spectra of hadrons in high energy pp and heavy ion collisions. In JOURNAL OF PHYSICS COMMUNICATIONS. ISSN 2399-6528, 2018, vol. 2, no. 3, art. no. 035003., Registrované v: WOS

15. [1.1] SHUKLA, P. - SARASWAT, K. Understanding partonic energy loss from measured light charged particles and jets in $PbPb$ collisions at LHC energies. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, DEC 2020, vol. 47, no. 12., Registrované v: WOS

16. [1.1] SOLEYMANINIA, Maryam - GOHARIPOUR, Muhammad - KHANPOUR, Hamzeh. First QCD analysis of charged hadron fragmentation functions and their uncertainties at next-to-next-to-leading order. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 074002., Registrované v: WOS

17. [1.1] TRAINOR, Thomas A. Charge-multiplicity and collision-energy dependence of $p(t)$ spectra from p - p collisions at the relativistic heavy-ion collider and large hadron collider. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 7, art. no. 075008., Registrované v: WOS

18. [1.1] YALCIN, G. Cigdem - BECK, Christian. Generalized statistical mechanics of cosmic rays: Application to positron-electron spectral indices. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2018, vol. 8, art. no. 1764., Registrované v: WOS

19. [1.1] ZHANG, C. - ZHENG, L. - LIU, F. - SHI, S.S. - LIN, Z.W. Update of a multiphase transport model with modern parton distribution functions and nuclear shadowing. In PHYSICAL REVIEW C. ISSN 2469-9985, JUN 24 2019, vol. 99, no. 6., Registrované v: WOS

ADCA156 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Enhanced production of multi-strange hadrons in high-multiplicity proton–proton collisions. In *Nature Physics*, 2017, vol. 13, no. 6, p. 535-539. (2016: 22.806 - IF, Q1 - JCR, 13.412 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1745-2473. Dostupné na: <https://doi.org/10.1038/NPHYS4111>

Ohlasy:

1. [1.1] AJAZ, M. - TUFAIL, M. - ALI, Y. Production of light flavored charged hadron in pp collisions at 900 GeV with hadron production models. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, APR 30 2019, vol. 34, no. 13., Registrované v: WOS
2. [1.1] ALBACETE, Javier L. - PETERSEN, Hannah - SOTO-ONTOSO, Alba. Symmetric cumulants as a probe of the proton substructure at LHC energies. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 778, pp. 128-136., Registrované v: WOS
3. [1.1] ALBA, P. - SARTI, V.M. - NORONHA-HOSTLER, J. - PAROTTO, P. - PORTILLO-VAZQUEZ, I. - RATTI, C. - STAFFORD, J.M. Influence of hadronic resonances on the chemical freeze-out in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 15 2020, vol. 101, no. 5., Registrované v: WOS
4. [1.1] ALFIKY, M.T. - ELSHERIF, O. - HAMED, A.M. Onset of the Jet Quenching Phenomenon. In JETP LETTERS. ISSN 0021-3640, JAN 2020, vol. 111, no. 1, p. 8-17., Registrované v: WOS
5. [1.1] ANDRES, C. - ARMESTO, N. - NIEMI, H. - PAATELAINEN, R. - SALGADO, C.A. Jet quenching as a probe of the initial stages in heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, APR 10 2020, vol. 803., Registrované v: WOS
6. [1.1] ANCHORDOQUI, L.A. - CANAL, C.G. - SCIUTTO, S.J. - SORIANO, J.F. Through the looking-glass with ALICE into the quark-gluon plasma: A new test for hadronic interaction models used in air shower simulations. In PHYSICS LETTERS B. ISSN 0370-2693, NOV 10 2020, vol. 810., Registrované v: WOS
7. [1.1] BATISTA, R.A. - BITEAU, J. - BUSTAMANTE, M. - DOLAG, K. - ENGEL, R. - FANG, K. - KAMPERT, K.H. - KOSTUNIN, D. - MOSTAFA, M. - MURASE, K. - OIKONOMOU, F. - OLINTO, A.V. - PANASYUK, M.I. - SIGL, G. - TAYLOR, A.M. - UNGER, M. Open Questions in Cosmic-Ray Research at Ultrahigh Energies. In FRONTIERS IN ASTRONOMY AND SPACE SCIENCES. ISSN 2296-987X, JUN 4 2019, vol. 6., Registrované v: WOS
8. [1.1] BAUTISTA, I. - PAJARES, C. - RAMIREZ, J.E. String percolation in AA and p plus p collisions. In REVISTA MEXICANA DE FISICA. ISSN 0035-001X, MAY-JUN 2019, vol. 65, no. 3, p. 197-223., Registrované v: WOS
9. [1.1] BIERLICH, C. Microscopic collectivity: The ridge and strangeness enhancement from string-string interactions. In NUCLEAR PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 499-502., Registrované v: WOS
10. [1.1] BIERLICH, C. Soft modifications to jet fragmentation in high energy proton-proton collisions. In PHYSICS LETTERS B. ISSN 0370-2693,

AUG 10 2019, vol. 795, p. 194-199., Registrované v: WOS

11. [1.1] BIERLICH, Christian - GUSTAFSON, Gosta - LONNBLAD, Leif - SHAH, Harsh. The Angantyr model for heavy-ion collisions in Pythia8. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 134., Registrované v: WOS

12. [1.1] BIERLICH, Christian - GUSTAFSON, Gosta - LONNBLAD, Leif. Collectivity without plasma in hadronic collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 779, pp. 58-63., Registrované v: WOS

13. [1.1] BIERLICH, Christian. Rope Hadronization and Strange Particle Production. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 14003., Registrované v: WOS

14. [1.1] BLOK, Boris - JAKEL, Christian D. - STRIKMAN, Marj - WIEDEMANN, Urs Achim. Collectivity from interference. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 12, art. no. 074., Registrované v: WOS

15. [1.1] BUSZA, Wit - RAJAGOPAL, Krishna - VAN DER SCHEE, Wilke. Heavy Ion Collisions: The Big Picture and the Big Questions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 68. ISSN 0163-8998, 2018, vol. 68, pp. 339-376., Registrované v: WOS

16. [1.1] CASTORINA, P. - IORIO, A. - LANTERI, D. - SATZ, H. - SPOUSTA, M. Universality in hadronic and nuclear collisions at high energy. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 11 2020, vol. 101, no. 5., Registrované v: WOS

17. [1.1] CSORGO, Tamas - KASZA, Gabor - CSANAD, Mate - JIANG, Zefang. New Exact Solutions of Relativistic Hydrodynamics for Longitudinally Expanding Fireballs. In UNIVERSE. ISSN 2218-1997, 2018, vol. 4, no. 6, art. no. 69., Registrované v: WOS

18. [1.1] DUNCAN, C.B. - KIRCHGAESSER, P. Kinematic strangeness production in cluster hadronization. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 28 2019, vol. 79, no. 1., Registrované v: WOS

19. [1.1] FANCHI, John R. Comparative Analysis of Juttner's Calculation of the Energy of a Relativistic Ideal Gas and Implications for Accelerator Physics and Cosmology. In ENTROPY. ISSN 1099-4300, 2017, vol. 19, no. 7, art. no. 374., Registrované v: WOS

20. [1.1] FEAL, X. - PAJARES, C. - VAZQUEZ, R.A. Thermal behavior and entanglement in Pb-Pb and p-p collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 24 2019, vol. 99, no. 1., Registrované v: WOS

21. [1.1] FERRERES-SOLE, Silvia - SJOSTRAND, Torbjorn. The space-time structure of hadronization in the Lund model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 11, art. no. 983., Registrované v: WOS

22. [1.1] FORTE, S. - LEVY, A. - RIDOLFI, G. From My Vast Repertoire ... Guido Altarelli's Legacy Preface. In FROM MY VAST REPERTOIRE ... : GUIDO ALTARELLI'S LEGACY. 2019, p. V-+., Registrované v: WOS

23. [1.1] GALATYUK, T. Future facilities for high mu(B) physics. In NUCLEAR PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 163-169., Registrované v: WOS

24. [1.1] GLIGOROV, V.V. - KNAPEN, S. - NACHMAN, B. -

- PAPUCCI, M. - ROBINSON, D.J. Leveraging the ALICE/L3 cavern for long-lived particle searches. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 16 2019, vol. 99, no. 1., Registrované v: WOS
25. [1.1] HUNT-SMITH, N. - SKANDS, P. String fragmentation with a time-dependent tension. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2020, vol. 80, no. 11., Registrované v: WOS
26. [1.1] HU, Z. - LIU, T. - LEONARDO, N. T. - HAYTMYRADOV, M. Review of bottomonium measurements from CMS. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 19-20, art. no. 1730015., Registrované v: WOS
27. [1.1] KANAKUBO, Yuuka - OKAI, Michito - TACHIBANA, Yasuki - HIRANO, Tetsufumi. Enhancement of strange baryons in high-multiplicity proton-proton and proton-nucleus collisions. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2018, no. 12, art. no. 121D01., Registrované v: WOS
28. [1.1] KANAKUBO, Y. - TACHIBANA, Y. - HIRANO, T. Unified description of hadron yield ratios from dynamical core-corona initialization. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 24 2020, vol. 101, no. 2., Registrované v: WOS
29. [1.1] KASZA, G. - CSORGO, T. Lifetime estimations from RHIC Au plus Au data. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, SEP 20 2019, vol. 34, no. 26., Registrované v: WOS
30. [1.1] KIREYEU, V. - GRISHMANOVSKII, I. - KOLESNIKOV, V. - VORONYUK, V. - BRATKOVSKAYA, E. Hadron production in elementary nucleon-nucleon reactions from low to ultra-relativistic energies. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, SEP 4 2020, vol. 56, no. 9., Registrované v: WOS
31. [1.1] KUNDU, Sourav. Identified Hadron Production in Proton-Proton Collisions at $\sqrt{s}=13$ TeV with ALICE at the LHC. In XXII DAE HIGH ENERGY PHYSICS SYMPOSIUM. ISSN 0930-8989, 2018, vol. 203, pp. 497-499., Registrované v: WOS
32. [1.1] KURKELA, A. - MAZELIAUSKAS, A. Chemical Equilibration in Hadronic Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, APR 10 2019, vol. 122, no. 14., Registrované v: WOS
33. [1.1] LEVIN, E. - SCHMIDT, I. - SIDDIKOV, M. Multiplicity dependence of quarkonia production in the CGC approach. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 20 2020, vol. 80, no. 6., Registrované v: WOS
34. [1.1] LI, Y.A. - ZHANG, S. - MA, Y.G. Signatures of alpha-clustering in O-16 by using a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 11 2020, vol. 102, no. 5., Registrované v: WOS
35. [1.1] MOGLIACCI, S. - KOLBE, I. - HOROWITZ, W.A. Geometrically confined thermal field theory: Finite size corrections and phase transitions. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 23 2020, vol. 102, no. 11., Registrované v: WOS
36. [1.1] NAGLE, James L. - ZAJC, William A. Small System Collectivity in Relativistic Hadronic and Nuclear Collisions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 68. ISSN 0163-8998, 2018, vol. 68, pp. 211-235., Registrované v: WOS

37. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS
38. [1.1] ORTIZ, A. - PAZ, A. - ROMO, J.D. - TRIPATHY, S. - ZEPEDA, E.A. - BAUTISTA, I. Multiparton interactions in pp collisions from machine learning-based regression. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 23 2020, vol. 102, no. 7., Registrované v: WOS
39. [1.1] OSADA, T. - KUMAOKA, T. Saturation momentum scale extracted from semi-inclusive transverse spectra in high-energy pp collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, SEP 26 2019, vol. 100, no. 3., Registrované v: WOS
40. [1.1] PARVAN, A.S. - BHATTACHARYYA, T. Hadron transverse momentum distributions of the Tsallis normalized and unnormalized statistics. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, FEB 27 2020, vol. 56, no. 2., Registrované v: WOS
41. [1.1] RAFELSKI, J. Discovery of Quark-Gluon Plasma: Strangeness Diaries. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, JAN 20 2020, vol. 229, no. 1, p. 1-140., Registrované v: WOS
42. [1.1] RUSTAMOV, Anar. Energy dependence of strangeness production and event-by-event fluctuations. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 02003., Registrované v: WOS
43. [1.1] SEIFERT, E. - CASSING, W. Baryon-antibaryon dynamics in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 4, art. no. 044907., Registrované v: WOS
44. [1.1] SHAO, T.H. - CHEN, J.H. - KO, C.M. - LIN, Z.W. Enhanced production of strange baryons in high-energy nuclear collisions from a multiphase transport model. In PHYSICAL REVIEW C. ISSN 0556-2813, JUL 8 2020, vol. 102, no. 1., Registrované v: WOS
45. [1.1] SHAO, T.H. - CHEN, J.H. - KO, C.M. - SUN, K.J. Probing QCD critical fluctuations from the yield ratio of strange hadrons in relativistic heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, FEB 10 2020, vol. 801., Registrované v: WOS
46. [1.1] SIEVERT, M. - NORONHA-HOSTLER, J. CERN Large Hadron Collider system size scan predictions for PbPb, XeXe, ArAr, and OO with relativistic hydrodynamics. In PHYSICAL REVIEW C. ISSN 2469-9985, AUG 2 2019, vol. 100, no. 2., Registrované v: WOS
47. [1.1] SJOSTRAND, T. Collective Effects: the viewpoint of HEP MC codes. In NUCLEAR PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 43-49., Registrované v: WOS
48. [1.1] SJOSTRAND, T. - UTHEIM, M. A framework for hadronic rescattering in pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 1 2020, vol. 80, no. 10., Registrované v: WOS
49. [1.1] SRIVASTAVA, Dinesh K. - CHATTERJEE, Rupa - BASS, Steffen A. Landau-Pomeranchuk-Midgal effect and charm production in pp collisions at energies available at the CERN Large Hadron Collider using the parton cascade model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 5, art. no. 054910., Registrované v: WOS
50. [1.1] SRIVASTAVA, Dinesh K. - CHATTERJEE, Rupa - BASS,

- Steffen A. Transport dynamics of parton interactions in pp collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 6, art. no. 064910., Registrované v: WOS
51. [1.1] TAWFIK, A.N. - WAHAB, M.A. - YASSIN, H. - EL DIN, H.M.N. Almost Entirely Empirical Estimation for Chemical Potential. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, APR 2020, vol. 130, no. 4, p. 506-516., Registrované v: WOS
52. [1.1] TORRIERI, Giorgio. eta ' production in nucleus-nucleus collisions as a probe of chiral dynamics. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 1, art. no. 014901., Registrované v: WOS
53. [1.1] TSALLIS, C. Beyond Boltzmann-Gibbs-Shannon in Physics and Elsewhere. In ENTROPY. JUL 2019, vol. 21, no. 7., Registrované v: WOS
54. [1.1] ULUGBEK, Abdurakhmanov - KADYR, Gulamov - VLADIMIR, Lugovoi - VADIM, Navotny. Observation of Gaussian Pseudorapidity Distributions for Produced Particles in Proton-Nucleus Collisions at Tevatron Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2018, art. no. 3098252., Registrované v: WOS
55. [1.1] YALCIN, G. Cigdem - BECK, Christian. Generalized statistical mechanics of cosmic rays: Application to positron-electron spectral indices. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2018, vol. 8, art. no. 1764., Registrované v: WOS
56. [1.1] YASSIN, H. - ELYAZEED, E.R.A. TRANSVERSE MOMENTUM $p(T)$ SPECTRA OF STRANGE PARTICLES PRODUCTION IN DIFFERENT COLLISIONS AT $\sqrt{s(NN)}=2.76, 5.02$ AND 7 TeV. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, JAN 2019, vol. 50, no. 1, p. 37-54., Registrované v: WOS
57. [1.1] YASSIN, H. - ELYAZEED, E.R.A. - TAWFIK, A.N. Transverse momentum spectra of strange hadrons within extensive and nonextensive statistics. In PHYSICA SCRIPTA. ISSN 0031-8949, JUL 2020, vol. 95, no. 7., Registrované v: WOS

ADCA157 ANTINORI, F. - BOMBARA, Marek - KRÁLIK, Ivan - PASTIRČÁK, Blahoslav - ŠÁNDOR, Ladislav. Enhancement of hyperon production at central rapidity in 158 A GeV/c Pb-Pb collisions. In *Journal of Physics G: Nuclear and particle physics*, 2006, vol. 32, no.4, p. 427-441. (2005: 2.173 - IF, Q2 - JCR, 1.104 - SJR, Q2 - SJR, Current Contents - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 0954-3899.

Ohlasy:

1. [1.1] ADAMCZEWSKI-MUSCH, J. - ARNOLD, O. - BEHNKE, C. - BELOUNNAS, A. - BELYAEV, A. - BERGER-CHEN, J.C. - BIERNAT, J. - BLANCO, A. - BLUME, C. - BOHMER, M. - BORDALO, R. - CHERNENKO, S. - CHLAD, L. - DEVEAUX, C. - DREYER, J. - DYBCZAK, A. - EPPLE, E. - FABBIIETTI, L. - FATEEV, O. - FILIP, P. - FONTE, R. - FRANCO, C. - FRIESE, J. - FROHLICH, I. - GALATYUK, T. - GARZON, J.A. - GERNHAUSER, R. - GOLUBEVA, M. - GREIFENHAGEN, R. - GUBER, F. - GUMBERIDZE, M. - HARABASZ, S. - HEINZ, T. - HENNINO, T. - HLAVAC, S. - HOHNE, C. - HOLZMANN, R. - IERUSALIMOV, A. - IVASHKIN, A. - KAMPFER, B. - KARAVICHEVA, T. - KARDAN, B. - KOENIG, I. - KOENIG, W. - KOLB, B.W. - KORCYL, G. - KAMAKOV, G. - KOTTE, R. - KUGLER, A. - KUNZ, T. - KUREPIN, A. - KURILKIN, A. -

KURILKIN, P. - LADYGIN, V. - LALIK, R. - LAPIDUS, K. - LEBEDEV, A. - LOPES, L. - LORENZ, M. - MAHMOUD, T. - MAIER, L. - MANGIAROTTI, A. - MARKERT, J. - MAURUS, S. - METAG, V. - MICHEL, J. - MIHAYLOV, D.M. - MOROZOV, S. - MUNTZ, C. - MUNZER, R. - NAUMANN, L. - NOWAKOWSKI, K. - PALKA, M. - PARPOTTAS, Y. - PECHENOV, V. - PECHENOVA, O. - PETUKHOV, O. - PIETRASZKO, J. - PRZYGODA, W. - RAMOS, S. - RAMSTEIN, B. - RESHETIN, A. - RODRIGUEZ-RAMOS, R. - ROSIER, R. - ROST, A. - SADOVSKY, A. - SALABURA, P. - SCHEIB, T. - SCHULDES, H. - SCHWAB, E. - SCOZZI, F. - SECK, F. - SELLHEIM, R. - SELYUZHENKOV, I. - SIEBENSON, J. - SILVA, L. - SOBOLEV, Y.G. - SPATARO, S. - SPIES, S. - STROBELE, H. - STROTH, J. - STRZEMPEK, R. - STURM, C. - SVOBODA, O. - SZALA, M. - TLUSTY, R. - TRAXLER, M. - TSERTOS, H. - USENKO, E. - WAGNER, V. - WENDISCH, C. - WIEBUSCH, M.G. - WIRTH, J. - ZANEVSKY, Y. - ZUMBRUCH, R. - LEIFELS, Y.

Sub-threshold production of $K^*(0)$ mesons and Λ hyperons in Au plus Au collisions at $\sqrt{s(NN)}=2.4$ GeV. In PHYSICS LETTERS B. ISSN 0370-2693, JUN 10 2019, vol. 793, p. 457-463., Registrované v: WOS

2. [1.1] ADAM, J. - ADAMCZYK, L. - ADAMS, J.R. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - ALEKSEEV, I. - ANDERSON, D.M. - AOYAMA, R. - APARIN, A. - ARKHIPKIN, D. - ASCHENAUER, E.C. - ASHRAF, M.U. - ATETALLA, F. - ATTRI, A. - AVERICHEV, G.S. - BAIRATHI, V. - BARISH, K. - BASSILL, A.J. - BEHERA, A. - BELLWIED, R. - BHASIN, A. - BHATI, A.K. - BIELCIK, J. - BIELCIKOVA, J. - BLAND, L.C. - BORDYUZHIN, I.G. - BRANDENBURG, J.D. - BRANDIN, A.V. - BRYSLAWSKYJ, J. - BUNZAROV, I. - BUTTERWORTH, J. - CAINES, H. - SANCHEZ, M.C.D. - CEBRA, D. - CHAKABERIA, I. - CHALLOUPKA, P. - CHAN, B.K. - CHANG, F.H. - CHANG, Z. - CHANKOVA-BUNZAROVA, N. - CHATTERJEE, A. - CHATTOPADHYAY, S. - CHEN, J.H. - CHEN, X. - CHENG, J. - CHERNEY, M. - CHRISTIE, W. - CRAWFORD, H.J. - CSANAD, M. - DAS, S. - DEDOVICH, T.G. - DEPPNER, I.M. - DEREVSCHIKOV, A.A. - DIDENKO, L. - DILKS, C. - DONG, X. - DRACHENBERG, J.L. - DUNLOP, J.C. - EDMONDS, T. - ELSEY, N. - ENGELAGE, J. - EPPLEY, G. - ESHA, R. - ESUMI, S. - EVDOKIMOV, O. - EWIGLEBEN, J. - EYSER, O. - FATEMI, R. - FAZIO, S. - FEDERIC, P. - FEDORISIN, J. - FENG, Y. - FILIP, P. - FINCH, E. - FISYAK, Y. - FULEK, L. - GAGLIARDI, C.A. - GALATYUK, T. - GEURTS, F. - GIBSON, A. - GOPAL, K. - GROSNICK, D. - GUPTA, A. - GURYN, W. - HAMAD, A.I. - HAMED, A. - HARRIS, J.W. - HE, L. - HEPPELMANN, S. - HEPPELMANN, S. - HERRMANN, N. - HOLUB, L. - HONG, Y. - HORVAT, S. - HUANG, B. - HUANG, H.Z. - HUANG, S.L. - HUANG, T. - HUANG, X. - HUMANIC, T.J. - HUO, P. - IGO, G. - JACOBS, W.W. - JENA, C. - JENTSCH, A. - JI, Y. - JIA, J. - JIANG, K. - JOWZAEI, S. - JU, X. - JUDD, E.G. - KABANA, S. - KAGAMASTER, S. - KALINKIN, D. - KANG, K. - KAPUKCHYAN, D. - KAUDER, K. - KE, H.W. - KEANE, D. - KECHETCHYAN, A. - KELSEY, M. - KHYZHNIK, Y.V. - KIM, C. - KINGHORN, T.A. - KISEL, I. - KISIEL, A. - KOCAN, M. - KOCHENDA, L. - KOSARZEWSKI, L.K. - KRAMARIK, L. - KRAVTSOV, P. - KRUEGER, K. - MUDIYANSELAGE, N.K. - KUMAR, L. - ELAYAVALLI, R.K. - KWASIZUR, J.H. - LACEY, R. - LANDGRAF, J.M. - LAURET, J. - LEBEDEV, A. - LEDNICKY, R. - LEE, J.H. - LI, C. - LI, W. - LI, W. - LI, X. -

LI, Y. - LIANG, Y. - LICENIK, R. - LIN, T. - LIPIEC, A. - LISA, M.A. - LIU, F. - LIU, H. - LIU, P. - LIU, P. - LIU, T. - LIU, X. - LIU, Y. - LIU, Z. - LJUBICIC, T. - LLOPE, W.J. - LOMNITZ, M. - LONGACRE, R.S. - LUO, S. - LUO, X. - MA, L. - MA, R. - MA, Y.G. - MAGDY, N. - MAJKA, R. - MALLICK, D. - MARGETIS, S. - MARKERT, C. - MATIS, H.S. - MATONOA, O. - MAZER, J.A. - MEEHAN, K. - MEI, J.C. - MINAEV, N.G. - MIODUSZEWSKI, S. - MISHRA, D. - MOHANTY, B. - MONDAL, M.M. - MOONEY, I. - MORAVCOVA, Z. - MOROZOV, D.A. - NASIM - NAYAK, K. - NELSON, J.M. - NEMES, D.B. - NIE, M. - NIGMATKULOV, G. - NIIDA, T. - NOGACH, L.V. - NONAKA, T. - ODYNIEC, G. - OGAWA, A. - OH, K. - OH, S. - OKOROKOV, V.A. - PAGE, B.S. - PAK, R. - PANEBRATSEV, Y. - PAWLIK, B. - PAWLOWSKA, D. - PEI, H. - PERKINS, C. - PINTER, R.L. - PLUTA, J. - PORTER, J. - POSIK, M. - PRUTHI, N.K. - PRZYBYCIEN, M. - PUTSCHKE, J. - QUINTERO, A. - RADHAKRISHNAN, S.K. - RAMACHANDRAN, S. - RAY, R.L. - REED, R. - RITTER, H.G. - ROBERTS, J.B. - ROGACHEVSKIY, O.V. - ROMERO, J.L. - RUAN, L. - RUSNAK, J. - RUSNAKOVA, O. - SAHOO, N.R. - SAHU, P.K. - SALUR, S. - SANDWEISS, J. - SCHAMBACH, J. - SCHMIDKE, W.B. - SCHMITZ, N. - SCHWEID, B.R. - SECK, F. - SEGER, J. - SERGEEVA, M. - SETO, R. - SEYBOTH, P. - SHAH, N. - SHAHALIEV, E. - SHANMUGANATHAN, P.V. - SHAO, M. - SHEN, F. - SHEN, W.Q. - SHI, S.S. - SHOU, Q.Y. - SICHTERMANN, E.P. - SIEJKA, S. - SIKORA, R. - SIMKO, M. - SINGH, J. - SINGHA, S. - SMIRNOV, D. - SMIRNOV, N. - SOLYST, W. - SORENSEN, P. - SPINKA, H.M. - SRIVASTAVA, B. - STANISLAUS, T.D.S. - STEFANIAK, M. - STEWART, D.J. - STRIKHANOV, M. - STRINGFELLOW, B. - SUAIDE, A.A.P. - SUGIURA, T. - SUMBERA, M. - SUMMA, B. - SUN, X.M. - SUN, Y. - SUN, Y. - SURROW, B. - SVIRIDA, D.N. - SZYMANSKI, P. - TANG, A.H. - TANG, Z. - TARANENKO, A. - TARNOWSKY, T. - THOMAS, J.H. - TIMMINS, A.R. - TLUSTY, D. - TODOROKI, T. - TOKAREV, M. - TOMKIEL, C.A. - TRENTALANGE, S. - TRIBBLE, R.E. - TRIBEDY, P. - TRIPATHY, S.K. - TSAI, O.D. - TU, B. - TU, Z. - ULLRICH, T. - UNDERWOOD, D.G. - UPSAL, I. - VAN BUREN, G. - VANEK, J. - VASILIEV, A.N. - VASSILIEV, I. - VIDEBAEK, F. - VOKAL, S. - VOLOSHIN, S.A. - WANG, F. - WANG, G. - WANG, P. - WANG, Y. - WANG, Y. - WEBB, J.C. - WEN, L. - WESTFALL, G.D. - WIEMAN, H. - WISSINK, S.W. - WITT, R. - WU, Y. - XIAO, Z.G. - XIE, G. - XIE, W. - XU, H. - XU, N. - XU, Q.H. - XU, Y.F. - XU, Z. - YANG, C. - YANG, Q. - YANG, S. - YANG, Y. - YANG, Z. - YE, Z. - YE, Z. - YI, L. - YIP, K. - YOO, I.K. - ZBROSZCZYK, H. - ZHA, W. - ZHANG, D. - ZHANG, L. - ZHANG, S. - ZHANG, S. - ZHANG, X.P. - ZHANG, Y. - ZHANG, Z. - ZHAO, J. - ZHONG, C. - ZHOU, C. - ZHU, X. - ZHU, Z. - ZUREK, M. - ZYZAK, M. Strange hadron production in Au plus Au collisions at root S-NN=7.7, 11.5, 19.6, 27, and 39 GeV. In PHYSICAL REVIEW C. ISSN 0556-2813, SEP 29 2020, vol. 102, no. 3., Registrované v: WOS

3. [1.1] ARAKELYAN, G. H. - MERINO, C. - SHABELSKI, Yu. M. Net-Baryon Production in Nucleus-Nucleus Collisions and Rare QGP Events. In 1ST INTERNATIONAL KAIDALOV WORKSHOP ON THE PHENOMENOLOGY OF HIGH ENERGY PARTICLE PHYSICS. ISSN 1742-6588, 2015, vol. 607, art. no. 012006., Registrované v: WOS

4. [1.1] ARAKELYAN, G. H. - MERINO, C. - SHABELSKI, Yu. M. Midrapidity hyperon production in pp and pA collisions from low to LHC

- energies. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 1, art. no. 9., Registrované v: WOS
5. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
6. [1.1] BATYUK, P. N. - KEKELIDZE, V. D. - KOLESNIKOV, V. I. - ROGACHEVSKY, O. V. - SORIN, A. S. - VORONYUK, V. V. Feasibility study of heavy ion physics program at NICA. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, 2016, vol. 47, no. 4, pp. 540-566., Registrované v: WOS
7. [1.1] BEITEL, M. - GREINER, C. - STOECKER, H. Fast dynamical evolution of a hadron resonance gas via Hagedorn states. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 021902., Registrované v: WOS
8. [1.1] BHATTACHARYYA, S. - BISWAS, D. - GHOSH, S.K. - RAY, R. - SINGHA, P. Novel scheme for parametrizing the chemical freeze-out surface in heavy ion collision experiments. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 26 2019, vol. 100, no. 5., Registrované v: WOS
9. [1.1] BHATTACHARYYA, S. - BISWAS, D. - GHOSH, S.K. - RAY, R. - SINGHA, P. Systematics of chemical freeze-out parameters in heavy-ion collision experiments. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 4 2020, vol. 101, no. 5., Registrované v: WOS
10. [1.1] BISWAS, D. Formation of light nuclei at chemical freezeout: Description within a statistical thermal model. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 3 2020, vol. 102, no. 5., Registrované v: WOS
11. [1.1] BLUME, Christoph. Open Questions in the Understanding of Strangeness Production in HIC Experiment Perspective. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 03001., Registrované v: WOS
12. [1.1] BRUNO, Giuseppe Eugenio. CERN achievements in relativistic heavy ion collisions. In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, art. no. 06001., Registrované v: WOS
13. [1.1] BRUNO, Mattia - CASELLE, Michele - PANERO, Marco - PELLEGRINI, Roberto. Exceptional thermodynamics: the equation of state of G(2) gauge theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 3, art. no. 057., Registrované v: WOS
14. [1.1] CIFARELLI, L. - NANIA, R. - NOFERINI, F. - SCAPPARONE, E. - ZICHICHI, A. Insights from the ALICE quark-gluon coloured world at the LHC. In RIVISTA DEL NUOVO CIMENTO. ISSN 0393-697X, 2016, vol. 39, no. 10, pp. 497-545., Registrované v: WOS
15. [1.1] DEY, Kalyan - BHATTACHARJEE, B. Strange behavior of rapidity dependent strangeness enhancement of particles containing and not containing leading quarks. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 965, pp. 74-84., Registrované v: WOS
16. [1.1] GAO, Y-Q - LIU, F-H. Comparing Tsallis and Boltzmann temperatures from relativistic heavy ion collider and large hadron collider heavy-ion data. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, 2016,

- vol. 90, no. 3, pp. 319-334., Registrované v: WOS
17. [1.1] GAZDZICKI, M. - GORENSTEIN, M. - SEYBOTH, P. BRIEF HISTORY OF THE SEARCH FOR CRITICAL STRUCTURES IN HEAVY-ION COLLISIONS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2020, vol. 51, no. 5, p. 1033-1066., Registrované v: WOS
18. [1.1] GERAKSIEV, N. S. Feasibility of Flow Studies at NICA/MPD. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2015, vol. 78, no. 13, pp. 1504-1507., Registrované v: WOS
19. [1.1] GERAKSIEV, N. S. Feasibility of flow studies at NICA/MPD. In BULGARIAN CHEMICAL COMMUNICATIONS. ISSN 0324-1130, 2015, vol. 47, no., pp. 240-247., Registrované v: WOS
20. [1.1] HEINZ, Ulrich - LIU, Jia. Pre-equilibrium dynamics and heavy-ion observables. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 549-552., Registrované v: WOS
21. [1.1] CHATTERJEE, Sandeep - DAS, Sabita - KUMAR, Lokesh - MISHRA, D. - MOHANTY, Bedangadas - SAHOO, Raghunath - SHARMA, Natasha. Freeze-Out Parameters in Heavy-Ion Collisions at AGS, SPS, RHIC, and LHC Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 349013., Registrované v: WOS
22. [1.1] KEKELIDZE, Vladimir - KOLESNIKOV, Vadim - SORIN, Alexander. BM@N and MPD experiments at NICA. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 12001., Registrované v: WOS
23. [1.1] KEKELIDZE, V. D. Heavy Ion Collisions: Baryon Density Frontier. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, 2018, vol. 49, no. 4, pp. 457-472., Registrované v: WOS
24. [1.1] NASIM, Md. - BAIRATHI, Vipul - SHARMA, Mukesh Kumar - MOHANTY, Bedangadas - BHASIN, Anju. A Review on phi Meson Production in Heavy-Ion Collision. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 197930., Registrované v: WOS
25. [1.1] PLASTINO, A. - ROCCA, M. C. - FERRI, G. L. - ZAMORA, D. J. q-Gamow states for intermediate energies. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 955, pp. 16-26., Registrované v: WOS
26. [1.1] PLASTINO, A. - ROCCA, M. C. q-Gamow states as continuous linear functionals on analytical test functions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 948, pp. 19-27., Registrované v: WOS
27. [1.1] QIU, Hui-Bin - SONG, Hai-Ying - LIU, Shi-Bing. Two-plasmon-decay driven by an extraordinary electromagnetic wave in a magnetized plasma with nonextensive distribution. In PHYSICS OF PLASMAS. ISSN 1070-664X, 2016, vol. 23, no. 3, art. no. 032101., Registrované v: WOS
28. [1.1] RAFELSKI, J. Discovery of Quark-Gluon Plasma: Strangeness Diaries. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, JAN 20 2020, vol. 229, no. 1, p. 1-140., Registrované v: WOS
29. [1.1] RYBICKI, A. - SZCZUREK, A. - KIELBOWICZ, M. - MARCINEK, A. - OZVENCHUK, V. - ROZPŁOCHOWSKI, L. Rapidity distributions of pions in p plus p and Pb plus Pb collisions at energies available at the CERN Super Proton Synchrotron. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 11 2019, vol. 99, no. 2., Registrované v: WOS
30. [1.1] SUN, Kai-Jia - CHEN, Lie-Wen. Production of Lambda

- Lambda and (Λn) over-bar in central Pb plus Pb collisions at root sNN=2.76 TeV within a covariant coalescence model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 6, art. no. 064908., Registrované v: WOS
31. [1.1] SUN, Kai-Jia - CHEN, Lie-Wen. Antimatter H-4(Λ) hypernucleus production and the H-3(Λ)/He-3 puzzle in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 6, art. no. 064909., Registrované v: WOS
32. [1.1] TAWFIK, Abdel Nasser - WAHAB, Magda Abdel - YASSIN, Hayam - ELYAZEED, Eman R. Abo - EL DIN, Hadeer M. Nasr. Strangeness chemical potential from the baryons relative to the kaons particle ratios. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2017, vol. 26, no. 7, art. no. 1750046., Registrované v: WOS
33. [1.1] TAWFIK, Abdel Nasser - YASSIN, Hayam - ELYAZEED, Eman R. Abo. Strangeness production in high-energy collisions and Hawking-Unruh radiation. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2017, vol. 26, no. 3, art. no. 1750001., Registrované v: WOS

ADCA158 ABELEV, Betty - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Event-by-event mean pT fluctuations in pp and Pb–Pb collisions at the LHC. In *European Physical Journal C*, 2014, vol. 74, no. 10, art. no. 3077. (2013: 5.436 - IF, Q1 - JCR, 2.323 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-014-3077-y>

Ohlasy:

1. [1.1] BERNHARD, J.E. - MORELAND, J.S. - BASS, S.A. Bayesian estimation of the specific shear and bulk viscosity of quark-gluon plasma. In NATURE PHYSICS. ISSN 1745-2473, NOV 2019, vol. 15, no. 11, p. 1113-+., Registrované v: WOS
2. [1.1] BHOUMIK, Gopa - BHATTACHARYYA, Swarnapratim - DEB, Argha - GHOSH, Dipak. Event-by-Event pseudorapidity fluctuation analysis: An outlook to multiplicity and phase space dependence. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 7, art. no. 196., Registrované v: WOS
3. [1.1] BOZEK, Piotr - BRONIOWSKI, Wojciech. Transverse momentum fluctuations in ultrarelativistic Pb plus Pb and p plus Pb collisions with "wounded" quarks. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 1, art. no. 014904., Registrované v: WOS
4. [1.1] BOZEK, P. - MEHRABPOUR, H. Correlation coefficient between harmonic flow and transverse momentum in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, JUN 3 2020, vol. 101, no. 6., Registrované v: WOS
5. [1.1] GARDIM, F.G. - GRASSI, F. - ISHIDA, P. - LUZUM, M. - OLLITRAULT, J.Y. p(T)-dependent particle number fluctuations from principal-component analyses in hydrodynamic simulations of heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 14 2019, vol. 100, no. 5., Registrované v: WOS
6. [1.1] GAVIN, Sean - MOSCHELLI, George - ZIN, Christopher. Boltzmann-Langevin approach to pre-equilibrium correlations in nuclear

collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 064901., Registrované v: WOS

7. [1.1] GIACALONE, G. Turning up and down strong magnetic fields in relativistic nuclear collisions. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS

8. [1.1] CHATTERJEE, Sandeep - BOZEK, Piotr. Pseudorapidity profile of transverse momentum fluctuations in heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 1, art. no. 014906., Registrované v: WOS

9. [1.1] ISHIHARA, Masamichi. Transverse momentum fluctuation under the Tsallis distribution at high energies. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2017, vol. 26, no. 11, art. no. 1750071., Registrované v: WOS

10. [1.1] OSADA, Takeshi - ISHIHARA, Masamichi. Event-by-event mean $p(T)$ fluctuations and transverse size of color flux tube generated in p-p collisions at root $s=0.90$ TeV. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 1, art. no. 015104., Registrované v: WOS

11. [1.1] OSADA, T. - KUMAOKA, T. Saturation momentum scale extracted from semi-inclusive transverse spectra in high-energy pp collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, SEP 26 2019, vol. 100, no. 3., Registrované v: WOS

12. [1.1] PLUMBERG, Christopher - HEINZ, Ulrich. Hanbury-Brown-Twiss correlation functions and radii from event-by-event hydrodynamics. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034910., Registrované v: WOS

13. [1.1] PRATT, Scott - YOUNG, Clint. Relating measurable correlations in heavy ion collisions to bulk properties of equilibrated QCD matter. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 5, art. no. 054901., Registrované v: WOS

14. [1.1] PRATT, Scott. Consistent implementation of non-zero-range terms into hydrodynamics. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 4, art. no. 044903., Registrované v: WOS

15. [1.1] RAY, R. L. - BHATTARAI, P. Minimizing statistical and systematic bias in transverse momentum correlations for relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 6, art. no. 064902., Registrované v: WOS

16. [1.1] SCHENKE, B. - SHEN, C. - TEANEY, D. Transverse momentum fluctuations and their correlation with elliptic flow in nuclear collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, SEP 14 2020, vol. 102, no. 3., Registrované v: WOS

17. [1.1] TRAINOR, Thomas A. Eventwise mean- $p(t)$ fluctuations versus minimum-bias jets (minijets) at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 2, art. no. 024915., Registrované v: WOS

18. [1.1] TRAINOR, T.A. Comparing the PYTHIA Monte Carlo to a two-component (soft plus hard) model of hadron production in high-energy p-p collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, APR 2019, vol. 28, no. 4., Registrované v: WOS

19. [1.1] TRZUPEK, A. RECENT RESULTS ON FLOW AND

CORRELATIONS FROM THE ATLAS EXPERIMENT. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, p. 411-417., Registrované v: WOS

20. [1.1] XU, Z.Y. - LIU, J.L. - WEI, D.H. - HUO, J.H. - ZHANG, C.H. - HUO, L. Event-by-event mean- $p(t)$ fluctuations from the AMPT model with a dynamical quark coalescence mechanism. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, DEC 2020, vol. 47, no. 12., Registrované v: WOS

ADCA159 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Event-shape engineering for inclusive spectra and elliptic flow in Pb-Pb collisions at root $s(NN)=2.76$ TeV. In *Physical Review C. Nuclear Physics*, 2016, vol. 93, no. 3, art. no. 034916. (2015: 3.146 - IF, Q2 - JCR, 1.993 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.93.034916>

Ohlasy:

1. [1.1] BOZEK, Piotr. Transverse-momentum-flow correlations in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 4, art. no. 044908., Registrované v: WOS

2. [1.1] MILOV, Alexander. Measurement of long-range particle correlations in small systems with the ATLAS detector. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 470-473., Registrované v: WOS

3. [1.1] NORONHA-HOSTLER, Jacquelyn - BETZ, Barbara - NORONHA, Jorge - GYULASSY, Miklos. Event-by-Event Hydrodynamics plus Jet Energy Loss: A Solution to the R-AA circle times $v(2)$ Puzzle. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 25, art. no. 252301., Registrované v: WOS

4. [1.1] NORONHA-HOSTLER, Jacquelyn. Jet modifications in event-by-event hydrodynamically evolving media. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 161-168., Registrované v: WOS

ADCA160 ACHARYA, S. - ACOSTA, F.T. - ADAMOVÁ, D. - ADLER, A. - ADOLFSSON, J. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Event-Shape Engineering for the D-meson elliptic flow in mid-central Pb-Pb collisions at $sNN=5.02$ TeV. In *Journal of High Energy Physics*, 2019, no. 2, art. no. 150. (2018: 5.833 - IF, Q1 - JCR, 1.016 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP02\(2019\)150](https://doi.org/10.1007/JHEP02(2019)150)

Ohlasy:

1. [1.1] PEREPELITSA, D.V. Connection between soft and hard probes of small collision systems at RHIC and LHC. In XLIX INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2019). ISSN 2100-014X, 2020, vol. 235., Registrované v: WOS

ADCA161 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Evidence for a bottom baryon resonance $\Lambda(b)^*(0)$ in CDF data. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2013, vol. 88, no. 7, art. no. R071101. (2012:

4.691 - IF, Q1 - JCR, 2.725 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.88.071101>

Ohlasy:

1. [1.1] DHIR, Rohit - KIM, C. S. Axial-vector emitting weak nonleptonic decays of $\Omega(0)(c)$ baryon. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 114008., Registrované v: WOS
2. [1.1] CHEN, Bing - WEI, Ke-Wei - ZHANG, Ailin. Investigation of $\Lambda_b(Q)$ and $\Xi_b(Q)$ baryons in the heavy quark-light diquark picture. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 7, art. no. 82., Registrované v: WOS
3. [1.1] LU, Jun-Xu - ZHOU, Yu - CHEN, Hua-Xing - XIE, Ju-Jun - GENG, Li-Sheng. Dynamically generated $J(P)=1/2(-)(3/2(-))$ singly charmed and bottom heavy baryons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 1, art. no. 014036., Registrované v: WOS
4. [1.1] MAO, Qiang - CHEN, Hua-Xing - CHEN, Wei - HOSAKA, Atsushi - LIU, Xiang - ZHU, Shi-Lin. QCD sum rule calculation for P-wave bottom baryons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 11, art. no. 114007., Registrované v: WOS

ADCA162 AKTAS, A. - BRUNCKO, Dušan - FERENCEI, Jozef - MURÍN, Pavol - TOMASZ, Filip. Evidence for a narrow anti-charmed baryon state. In *Physics Letters B*, 2004, vol. 588, no. 1-2, p. 17-28. (2003: 4.066 - IF, Current Contents - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2004.03.012>

Ohlasy:

1. [1.1] DEMENTIEV, R. K. On the mechanism of I similar to(+) -pentaquark production. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2015, vol. 78, no. 2, pp. 301-311., Registrované v: WOS
2. [1.1] DORIGO, Tommaso. Extraordinary claims: the 0.000029% solution. In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, art. no. 02003., Registrované v: WOS
3. [1.1] KHEMCHANDANI, K. P. - TORRES, A. Martinez - NAVARRA, F. S. - NIELSEN, M. - TOLOS, L. Study of the $KN-K^*N$ coupled system in s-wave. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 094008., Registrované v: WOS
4. [1.1] KHEMCHANDANI, K. P. - MARTINEZ TORRES, A. - NAVARRA, F. S. - NIELSEN, M. - TOLOS, L. Studying meson baryon systems with strangeness+1. In XXXVII BRAZILIAN MEETING ON NUCLEAR PHYSICS. ISSN 1742-6588, 2015, vol. 630, art. no. 012054., Registrované v: WOS
5. [1.1] SCOCCOLA, N. N. - RISKA, D. O. - RHO, Mannque. Pentaquark candidates $P_c(+)$ (4380) and $P_c(+)$ (4450) within the soliton picture of baryons. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 051501., Registrované v: WOS

ADCA163 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Evidence for a Particle Produced in Association with Weak Bosons and Decaying to a Bottom-Antibottom Quark Pair in Higgs Boson Searches at the Tevatron. In

Physical Review Letters, 2012, vol. 109, no. 7, art. no. 071804. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.109.071804>

Ohlasy:

1. [1.1] CAMPANARIO, Francisco - ROTH, Robin - ZEPPENFELD, Dieter. QCD radiation in WH and WZ production and anomalous coupling measurements. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 054039., Registrované v: WOS
2. [1.1] CARCAMO HERNANDEZ, A. E. - MARTINEZ, R. - NISPERUZA, Jorge. S-3 discrete group as a source of the quark mass and mixing pattern in 331 models. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2015, vol. 75, no. 2, art. no. 72., Registrované v: WOS
3. [1.1] FERRERA, Giancarlo - GRAZZINI, Massimiliano - TRAMONTANO, Francesco. Associated ZH production at hadron colliders: The fully differential NNLO QCD calculation. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2015, vol. 740, pp. 51-55., Registrované v: WOS
4. [1.1] CHECCHIA, Paolo. Implications of a 125 GeV Higgs boson. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2015, vol. 30, no. 7, art. no. 1530003., Registrované v: WOS
5. [1.1] ILISIE, Victor. New Barr-Zee contributions to $(g-2)(\mu)$ in two-Higgs-doublet models. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2015, no. 4, art. no. 077., Registrované v: WOS
6. [1.1] KIMM, Kyoungtae - YOON, J. H. - CHO, Y. M. Finite energy electroweak dyon. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2015, vol. 75, no. 2, art. no. 67., Registrované v: WOS
7. [1.1] LEGGETT, Tristan - LI, Tianjun - MAXIN, James A. - NANOPOULOS, Dimitri V. - WALKER, Joel W. Confronting electroweak fine-tuning with No-Scale Supergravity. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2015, vol. 740, pp. 66-72., Registrované v: WOS
8. [1.1] LIPATOV, A. V. - ZOTOV, N. P. On the possibility to detect the Higgs decay $H \rightarrow b\bar{b}$ in the associated Z plus $b\bar{b}$ production at the LHC. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 189., Registrované v: WOS
9. [1.1] LI, Tianjun - MAXIN, James A. - NANOPOULOS, Dimitri V. - WALKER, Joel W. The 14 TeV LHC takes aim at SUSY: a No-Scale supergravity model for LHC Run 2. In *PHYSICA SCRIPTA*. ISSN 0031-8949, 2015, vol. 90, no. 9, art. no. 098001., Registrované v: WOS
10. [1.1] MORETTI, S. Variations on a Higgs theme. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2015, vol. 91, no. 1, art. no. 014012., Registrované v: WOS
11. [1.1] NICOLAIDOU, Rosy - SIROIS, Yves. The Higgs boson discovery and measurements. In *COMPTES RENDUS PHYSIQUE*. ISSN 1631-0705, 2015, vol. 16, no. 4, pp. 379-393., Registrované v: WOS

ADCA164 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Evidence for $D-0-(D)\overline{0}$ mixing using the CDF II detector. In *Physical Review Letters*, 2008, vol. 100, no. 12, art. no. 121802. (2007: 6.944 - IF, Q1 - JCR, 5.950 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.100.121802>

Ohlasy:

1. [1.1] GERSHON, Timothy - NEEDHAM, Matthew. Heavy flavour physics at the LHC. In *COMPTES RENDUS PHYSIQUE*. ISSN 1631-0705, 2015, vol. 16, no. 4, pp. 435-447., Registrované v: WOS

ADCA165 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABED ABUD, A. - ABELING, K. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Evidence for electroweak production of two jets in association with a Z gamma pair in pp collisions at root S=13 TeV with the ATLAS detector. In *Physics Letters B : Nuclear, Elementary Particle and High-Energy Physics*, 2020, vol. 803, art. no. 135341. (2019: 4.384 - IF, Q1 - JCR, 1.795 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2020.135341>

Ohlasy:

1. [1.1] CAMPANARIO, F. - KERNER, M. - NINH, L.D. - ROSARIO, I. Diphoton production in vector-boson scattering at the LHC at next-to-leading order QCD. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, JUN 9 2020, no. 6., Registrované v: WOS

ADCA166 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Evidence for Electroweak Production of $W(+/-)W(+/-)jj$ in pp Collisions at root s=8 TeV with the ATLAS Detector. In *Physical Review Letters*, 2014, vol. 113, no. 14, art. no. 141803. (2013: 7.728 - IF, Q1 - JCR, 5.674 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.113.141803>

Ohlasy:

1. [1.1] ARGANDA, E. - GARCIA-GARCIA, C. - HERRERO, M.J. Probing the Higgs self-coupling through double Higgs production in vector boson scattering at the LHC. In *NUCLEAR PHYSICS B*. ISSN 0550-3213, AUG 2019, vol. 945., Registrované v: WOS

2. [1.1] BALLESTRERO, A. - MAINA, E. - PELLICCIOLI, G. Different polarization definitions in same-sign WW scattering at the LHC. In *PHYSICS LETTERS B*. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS

3. [1.1] BARELLO, G. - CHANG, Spencer - NEWBY, Christopher A. - OSTDIEK, Bryan. Improving LHC searches for dark photons using lepton-jet substructure. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055007., Registrované v: WOS

4. [1.1] BIEDERMANN, Benedikt - DENNER, Ansgar - PELLEN, Mathieu. Large Electroweak Corrections to Vector-Boson Scattering at the Large Hadron Collider. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2017, vol. 118, no. 26, art. no. 261801., Registrované v: WOS

5. [1.1] BI, Q. - ZHANG, C. - ZHOU, S.Y. Positivity constraints on aQGC: carving out the physical parameter space. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, JUN 27 2019, no. 6., Registrované v: WOS

6. [1.1] CAMPANARIO, F. - KERNER, M. - NINH, L. D. - RAUCH, M. - ROTH, R. - ZEPPENFELD, D. NLO corrections to processes with electroweak bosons at hadron colliders. In *NUCLEAR AND PARTICLE*

PHYSICS PROCEEDINGS. ISSN 2405-6014, 2015, vol. 261, pp. 268-307.,
Registrované v: WOS

7. [1.1] CORDERO, F. Febres - HOFMANN, P. - ITA, H. $W+W\rightarrow 3$ -jet production at the Large Hadron Collider in next-to-leading-order QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034006., Registrované v: WOS

8. [1.1] DAS, Goutam - MATHEWS, Prakash. Neutral triple vector boson production in Randall-Sundrum model at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 094034., Registrované v: WOS

9. [1.1] DEGRANDE, Celine - HARTLING, Katy - LOGAN, Heather E. Scalar decays to $\gamma\gamma$, $Z\gamma$, and $W\gamma$ in the Georgi-Machacek model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075013., Registrované v: WOS

10. [1.1] DELGADO LOPEZ, Rafael. Chiral EW Lagrangian. In STUDY OF THE ELECTROWEAK SYMMETRY BREAKING SECTOR FOR THE LHC. ISSN 2190-5053, 2017, pp. 15-30., Registrované v: WOS

11. [1.1] DENNER, A. - DITTMAYER, S. - MAIERHOFER, P. - PELLEN, M. - SCHWAN, C. QCD and electroweak corrections to WZ scattering at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 14 2019, no. 6., Registrované v: WOS

12. [1.1] DENNER, A. - FRANKEN, R. - PELLEN, M. - SCHMIDT, T. NLO QCD and EW corrections to vector-boson scattering into ZZ at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 20 2020, no. 11., Registrované v: WOS

13. [1.1] EBOLI, O. J. P. - GONZALEZ-GARCIA, M. C. Classifying the bosonic quartic couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 093013., Registrované v: WOS

14. [1.1] FLEPER, Christian - KILIAN, Wolfgang - REUTER, Jurgen - SEKULLA, Marco. Scattering of W and Z bosons at high-energy lepton colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 2, art. no. 120., Registrované v: WOS

15. [1.1] GAVELA, M. B. - KANSHIN, K. - MACHADO, P. A. N. - SAA, S. The linear-non-linear frontier for the Goldstone Higgs. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 12, art. no. 690., Registrované v: WOS

16. [1.1] GUO, Feng-Kun - RUIZ-FEMENIA, Pedro - JOSE SANZ-CILLERO, Juan. One loop renormalization of the electroweak chiral Lagrangian with a light Higgs boson. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 074005., Registrované v: WOS

17. [1.1] GUO, Y.C. - WANG, Y.Y. - YANG, J.C. Constraints on anomalous quartic gauge couplings by $\gamma\gamma \rightarrow W^+W^-$ scattering. In NUCLEAR PHYSICS B. ISSN 0550-3213, DEC 2020, vol. 961., Registrované v: WOS

18. [1.1] GUO, Y.C. - WANG, Y.Y. - YANG, J.C. - YUE, C.X. Constraints on anomalous quartic gauge couplings via $W\gamma jj$ production at the LHC. In CHINESE PHYSICS C. ISSN 1674-1137, DEC 2020, vol. 44, no. 12., Registrované v: WOS

19. [1.1] HARRIS, Mary-Jean - LOGAN, Heather E. Constraining the scalar septet model through vector boson scattering. In PHYSICAL REVIEW D.

- ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095003., Registrované v: WOS
20. [1.1] HENNING, B. - LOMBARDO, D. - RIEMBAU, M. - RIVA, F. Measuring Higgs Couplings without Higgs Bosons. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, OCT 29 2019, vol. 123, no. 18., Registrované v: WOS
21. [1.1] CHIANG, Cheng-Wei - KANEMURA, Shinya - YAGYU, Kei. Phenomenology of the Georgi-Machacek model at future electron-positron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055002., Registrované v: WOS
22. [1.1] CHIESA, M. - DENNER, A. - LANG, J.N. - PELLENI, M. An event generator for same-sign W-boson scattering at the LHC including electroweak corrections. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 2019, vol. 79, no. 9., Registrované v: WOS
23. [1.1] ISHIWATA, Koji - YONEKURA, Yuki. Longitudinal W boson scattering in a light scalar top scenario. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015009., Registrované v: WOS
24. [1.1] JAEGER, B. - SALFELDER, L. - WOREK, M. - ZEPPEFELD, D. Physics opportunities for vector-boson scattering at a future 100 TeV hadron collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 073008., Registrované v: WOS
25. [1.1] KALINOWSKI, Jan - KOZOW, Pawel - POKORSKI, Stefan - ROSIEK, Janusz - SZLEPER, Michal - TKACZYK, Slawomir. Same-sign WW scattering at the LHC: can we discover BSM effects before discovering new states? In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 5, art. no. 403., Registrované v: WOS
26. [1.1] KILIAN, Wolfgang - OHL, Thorsten - REUTER, Juergen - SEKULLA, Marco. Resonances at the LHC beyond the Higgs boson: The scalar/tensor case. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 036004., Registrované v: WOS
27. [1.1] KOZOW, P. - MERLO, L. - POKORSKI, S. - SZLEPER, M. Same-sign WW scattering in the HEFT: discoverability vs. EFT validity. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 4 2019, no. 7., Registrované v: WOS
28. [1.1] LEDDY, L. - TEMPERLEY, H. - GIBBONS, D. - AHERN, D.P. - BUTLER, J.S. Is the Use of a Cervical Collar Necessary in the Nonoperative Management of Type II Peg Fractures in the Elderly?. In CLINICAL SPINE SURGERY. ISSN 2380-0186, APR 2020, vol. 33, no. 3, p. 95-98., Registrované v: WOS
29. [1.1] LOGAN, Heather E. - REIMER, Mark B. Characterizing a benchmark scenario for heavy Higgs boson searches in the Georgi-Machacek model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 095029., Registrované v: WOS
30. [1.1] STENGEL, Patrick - TATA, Xerxes. Same-sign Higgsino production at the CERN LHC: How not to hunt for natural supersymmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 11, art. no. 115024., Registrované v: WOS
31. [1.1] STERMAN, George. Yang-Mills theories at high energy accelerators. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 9, art. no. 1630005., Registrované v: WOS
32. [1.1] TATA, Xerxes. Supersymmetry: aspirations and prospects. In

PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 10, art. no. 108001.,
Registrované v: WOS

33. [1.1] TIZCHANG, S. - ETESAMI, S.M. Pinning down the gauge boson couplings in WW gamma production using forward proton tagging. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 27 2020, no. 7., Registrované v: WOS

ADCA167 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Evidence for light-by-light scattering in heavy-ion collisions with the ATLAS detector at the LHC. In *Nature Physics*, 2017, vol. 13, no. 9, p. 852-858. (2016: 22.806 - IF, Q1 - JCR, 13.412 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1745-2473. Dostupné na: <https://doi.org/10.1038/NPHYS4208>

Ohlasy:

1. [1.1] ADORNO, T.C. - GITMAN, D.M. - SHABAD, A.E. Magnetic Pole as Produced by a Point-like Electric Charge Embedded in Constant-Field Background. In PROCEEDINGS OF THE STEKLOV INSTITUTE OF MATHEMATICS. ISSN 0081-5438, MAY 2020, vol. 309, no. 1, p. 1-11., Registrované v: WOS

2. [1.1] AHMADINIAZ, N. - COWAN, T.E. - SAUERBREY, R. - SCHRAMM, U. - SCHLENVOIGT, H.P. - SCHUTZHOLD, R. Heisenberg limit for detecting vacuum birefringence. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 30 2020, vol. 101, no. 11., Registrované v: WOS

3. [1.1] AKMANSOY, P. Niau - MEDEIROS, L. G. Constraining Born-Infeld-like nonlinear electrodynamics using hydrogen's ionization energy. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 2, art. no. 143., Registrované v: WOS

4. [1.1] AKMANSOY, P.N. - MEDEIROS, L.G. Constraining nonlinear corrections to Maxwell electrodynamics using gamma gamma scattering. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 6 2019, vol. 99, no. 11., Registrované v: WOS

5. [1.1] ALEKSANDROV, I.A. - KOHLFURST, C. Pair production in temporally and spatially oscillating fields. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 15 2020, vol. 101, no. 9., Registrované v: WOS

6. [1.1] BAIER, R. - REBHAN, A. - WOEDLINGER, M. Light-by-light scattering in the presence of magnetic fields. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 056001., Registrované v: WOS

7. [1.1] BALDENEGRO, C. - FICHET, S. - VON GERSDORFF, G. - ROYON, C. Searching for axion-like particles with proton tagging at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 131., Registrované v: WOS

8. [1.1] BAUER, Martin - NEUBERT, Matthias - THAMM, Andrea. Collider probes of axion-like particles. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 12, art. no. 044., Registrované v: WOS

9. [1.1] BOGORAD, Z. - HOOK, A. - KAHN, Y. - SOREQ, Y. Probing Axionlike Particles and the Axiverse with Superconducting Radio-Frequency Cavities. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, JUL 9 2019, vol. 123, no. 2., Registrované v: WOS

10. [1.1] BOKULIC, A. - SMOLIC, I. Schwarzschild spacetime

immersed in test nonlinear electromagnetic fields. In CLASSICAL AND QUANTUM GRAVITY. ISSN 0264-9381, MAR 5 2020, vol. 37, no. 5.,

Registrované v: WOS

11. [1.1] BRISCESE, Fabio. Collective behavior of light in vacuum. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 3, art. no. 033803.,

Registrované v: WOS

12. [1.1] BRISCESE, Fabio. Light polarization oscillations induced by photon-photon scattering. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 5, art. no. 053801., Registrované v: WOS

13. [1.1] BROZ, M. - CONTRERAS, J.G. - TAKAKI, J.D.T. A generator of forward neutrons for ultra-peripheral collisions: $n(o)(o)n$. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, AUG 2020, vol. 253.,

Registrované v: WOS

14. [1.1] BRUCE, R. - D'ENTERRIA, D. - DE ROECK, A. - DREWES, M. - FARRAR, G.R. - GIAMMANCO, A. - GOULD, O. - HAJER, J. - HARLAND-LANG, L. - HEISIG, J. - JOWETT, J.M. - KABANA, S. - KRINTIRAS, G.K. - KORSMEIER, M. - LUCENTE, M. - MILHANO, G. - MUKHERJEE, S. - NIEDZIELA, J. - OKOROKOV, V.A. - RAJANTIE, A. - SCHAUMANN, M. New physics searches with heavy-ion collisions at the CERN Large Hadron Collider. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JUN 2020, vol. 47, no. 6., Registrované v: WOS

15. [1.1] DAVIS, R. Scattering of light by light. In IEEE INSTRUMENTATION & MEASUREMENT MAGAZINE. ISSN 1094-6969, DEC 2019, vol. 22, no. 6, p. 60-+, Registrované v: WOS

16. [1.1] DELHOM, A. - MIRALLES, V. - PENUELAS, A. Effective interactions in Ricci-Based Gravity below the non-metricity scale. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, APR 27 2020, vol. 80, no. 4., Registrované v: WOS

17. [1.1] DOLAN, Matthew J. - FERBER, Torben - HEARTY, Christopher - KAHLHOEFER, Felix - SCHMIDT-HOBERG, Kai. Revised constraints and Belle II sensitivity for visible and invisible axion-like particles. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 12, art. no. 094., Registrované v: WOS

18. [1.1] DREMIN, I.M. Geometry of ultraperipheral nuclear collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, APR 30 2019, vol. 34, no. 12., Registrované v: WOS

19. [1.1] DREMIN, I.M. Ultraperipheral nuclear interactions. In PHYSICS-USPEKHI. ISSN 1063-7869, 2020, vol. 63, no. 8, p. 758-765., Registrované v: WOS

20. [1.1] EJLLI, A. - DELLA VALLE, F. - GASTALDI, U. - MESSINEO, G. - PENGIO, R. - RUOSO, G. - ZAVATTINI, G. The PVLAS experiment: A 25 year effort to measure vacuum magnetic birefringence. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, AUG 2 2020, vol. 871, p. 1-74., Registrované v: WOS

21. [1.1] ELLIS, John - GE, Shao-Feng. Constraining Gluonic Quartic Gauge Coupling Operators with $gg \rightarrow \gamma \gamma$. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 4, art. no. 041801., Registrované v: WOS

22. [1.1] ELLIS, J. - GE, S.F. - HE, H.J. - XIAO, R.Q. Probing the scale

- of new physics in the ZZ gamma coupling at e^+e^- colliders. In CHINESE PHYSICS C. ISSN 1674-1137, JUN 2020, vol. 44, no. 6., Registrované v: WOS
23. [1.1] ERMOLAEV, B. I. - IVANOV, D. Yu. - TROYAN, S. I. Elastic scattering of virtual photons via a quark loop in the double-logarithmic approximation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 076007., Registrované v: WOS
24. [1.1] FILLION-GOURDEAU, F. - GAGNON, J.S. On the physical (im)possibility of lightsabers. In EUROPEAN JOURNAL OF PHYSICS. ISSN 0143-0807, SEP 2019, vol. 40, no. 5., Registrované v: WOS
25. [1.1] GAETE, Patricio - HELAYEL-NETO, Jose A. A note on nonlinear electrodynamics. In EPL. ISSN 0295-5075, 2017, vol. 119, no. 5, art. no. 51001., Registrované v: WOS
26. [1.1] GAETE, P. - HELAYEL-NETO, J.A. - OSPEDAL, L.P.R. Coulomb's law modification driven by a logarithmic electrodynamics. In EPL. ISSN 0295-5075, MAR 2019, vol. 125, no. 5., Registrované v: WOS
27. [1.1] GERARDIN, Antoine - GREEN, Jeremy - GRYNIUK, Oleksii - VON HIPPEL, Georg - MEYER, Harvey B. - PASCALUTSA, Vladimir - WITTIG, Hartmut. Hadronic light-by-light scattering amplitudes from lattice QCD versus dispersive sum rules. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 074501., Registrované v: WOS
28. [1.1] GIES, Holger - KARBSTEIN, Felix - KOHLFURST, Christian. All-optical signatures of strong-field QED in the vacuum emission picture. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 036022., Registrované v: WOS
29. [1.1] GOMES, Y.M.P. - GUAITOLINI, J.T. Elastic light-by-light scattering in a nonminimal Lorentz violation scenario. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 11 2019, vol. 99, no. 5., Registrované v: WOS
30. [1.1] GONCALVES, V.P. - SAUTER, W.K. Exclusive axionlike particle production by gluon - induced interactions in hadronic collisions. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS
31. [1.1] GRAZIANI, G. Heavy ion and fixed-target physics at ATLAS, CMS and LHCb. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, OCT-DEC 2019, vol. 42, no. 6., Registrované v: WOS
32. [1.1] HARLAND-LANG, L.A. - KHOZE, V.A. - RYSKIN, M.G. Exclusive LHC physics with heavy ions: SuperChic 3. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 18 2019, vol. 79, no. 1., Registrované v: WOS
33. [1.1] HELAYEL-NETO, J.A. - SPALLICCI, A.D.A.M. Frequency variation for in vacuo photon propagation in the Standard-Model Extension. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 12 2019, vol. 79, no. 7., Registrované v: WOS
34. [1.1] HOOK, A. - KUMAR, S. - LIU, Z. - SUNDRUM, R. High Quality QCD Axion and the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, JUN 1 2020, vol. 124, no. 22., Registrované v: WOS
35. [1.1] HOPERSKY, A. N. - NADOLINSKY, A. M. - NOVIKOV, S. A. Resonant elastic scattering of two x-ray photons by a many-electron atom. In PHYSICA SCRIPTA. ISSN 0031-8949, 2018, vol. 93, no. 10, art. no. 105401., Registrované v: WOS

36. [1.1] HOPERSKY, A. N. - NADOLINSKY, A. M. Elastic Scattering of Two Photons by a Multicharged Atomic Ion. In JETP LETTERS. ISSN 0021-3640, 2018, vol. 107, no. 5, pp. 282-284., Registrované v: WOS
37. [1.1] HORVAT, R. - LATAS, D. - TRAMPETIC, J. - YOU, J. Light-by-light scattering and spacetime noncommutativity. In PHYSICAL REVIEW D. ISSN 1550-7998, MAY 27 2020, vol. 101, no. 9., Registrované v: WOS
38. [1.1] INAN, S.C. - KISSELEV, A.V. Probe of the Randall-Sundrum-like model with the small curvature via light-by-light scattering at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 5 2019, vol. 100, no. 9., Registrované v: WOS
39. [1.1] INAN, S.C. - KISSELEV, A.V. A search for axion-like particles in light-by-light scattering at the CLIC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 30 2020, no. 6., Registrované v: WOS
40. [1.1] JEONG, T.M. - BULANOV, S.V. - SASOROV, P.V. - KORN, G. - KOGA, J.K. - BULANOV, S.S. Photon scattering by a 4 pi-spherically-focused ultrastrong electromagnetic wave. In PHYSICAL REVIEW A. ISSN 2469-9926, AUG 3 2020, vol. 102, no. 2., Registrované v: WOS
41. [1.1] KADLECOVA, H. - KORN, G. - BULANOV, S.V. Electromagnetic shocks in the quantum vacuum. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 5 2019, vol. 99, no. 3., Registrované v: WOS
42. [1.1] KADLECOVA, H. - KORN, G. - BULANOV, S.V. Electromagnetic Shock Waves propagating in Quantum Vacuum. In RESEARCH USING EXTREME LIGHT: ENTERING NEW FRONTIERS WITH PETAWATT-CLASS LASERS IV. ISSN 0277-786X, 2019, vol. 11039., Registrované v: WOS
43. [1.1] KHOZE, V. A. - MARTIN, A. D. - RYSKIN, M. G. Multiple interactions and rapidity gap survival. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 5, art. no. 053002., Registrované v: WOS
44. [1.1] KLEIN, Spencer R. A clash of photons. In NATURE PHYSICS. ISSN 1745-2473, 2017, vol. 13, no. 9, pp. 827-828., Registrované v: WOS
45. [1.1] KLEIN, Spencer R. Two-photon production of dilepton pairs in peripheral heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 5, art. no. 054903., Registrované v: WOS
46. [1.1] KLEIN, Spencer - NYSTRAND, Joakim. ULTRAPERIPHERAL NUCLEAR COLLISIONS. In PHYSICS TODAY. ISSN 0031-9228, 2017, vol. 70, no. 10, pp. 40-47., Registrované v: WOS
47. [1.1] KLUSEK-GAWENDA, M. Importance of mesons in light-by-light scattering in ultraperipheral lead-lead collisions at the LHC. In MESON 2018 - 15TH INTERNATIONAL WORKSHOP ON MESON PHYSICS. ISSN 2100-014X, 2019, vol. 199., Registrované v: WOS
48. [1.1] KLUSEK-GAWENDA, M. LIGHT-BY-LIGHT SCATTERING IN ULTRA-PERIPHERAL COLLISIONS IN THE FUTURE. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, JUN 2019, vol. 50, no. 6, p. 1077-1086., Registrované v: WOS
49. [1.1] KLUSEK-GAWENDA, M. PHOTON-PHOTON SCATTERING AT THE LHC IN COLLISIONS OF NUCLEI. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358,

- 2019, vol. 12, no. 2, p. 333-339., Registrované v: WOS
50. [1.1] KLUSEK-GAWENDA, M. - MCNULTY, R. - SCHICKER, R. - SZCZUREK, A. Light-by-light scattering in ultraperipheral heavy-ion collisions at low diphoton masses. In PHYSICAL REVIEW D. ISSN 1550-7998, MAY 30 2019, vol. 99, no. 9., Registrované v: WOS
51. [1.1] KOHLFUERST, Christian. Phase-space analysis of the Schwinger effect in inhomogeneous electromagnetic fields. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 5, art. no. 191., Registrované v: WOS
52. [1.1] KOKSAL, M. - BILLUR, A.A. - GUTIERREZ-RODRIGUEZ, A. - HERNANDEZ-RUIZ, M.A. The $\mu^{+}\mu^{-}$ collider to sensitivity estimates on the magnetic and electric dipole moments of the tau-lepton. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, MAY 30 2019, vol. 34, no. 15., Registrované v: WOS
53. [1.1] KOSTELECKY, V.A. - LI, Z.H. Gauge field theories with Lorentz-violating operators of arbitrary dimension. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 27 2019, vol. 99, no. 5., Registrované v: WOS
54. [1.1] LI, G.S. - ZHOU, K. - CHEN, B.Y. Effects of nuclear charge fluctuations on dilepton photoproduction. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, FEB 1 2020, vol. 72, no. 2., Registrované v: WOS
55. [1.1] MACCHI, Andrea - PEGORARO, Francesco. HIGH-ENERGY PHOTONICS Instability yields bright gamma emission. In NATURE PHOTONICS. ISSN 1749-4885, 2018, vol. 12, no. 6, pp. 314-315., Registrované v: WOS
56. [1.1] MANJARRES, A.D.B. - NOWAKOWSKI, M. - BATIĆ, D. Coulomb law in the nonuniform Euler-Heisenberg theory. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, NOV 30 2020, vol. 35, no. 33., Registrované v: WOS
57. [1.1] MAVROMATOS, N.E. - SARKAR, S. Finite-Energy Dressed String-Inspired Dirac-Like Monopoles. In UNIVERSE. ISSN 2218-1997, JAN 2019, vol. 5, no. 1., Registrované v: WOS
58. [1.1] OZAWA, T. - PRICE, H.M. - AMO, A. - GOLDMAN, N. - HAFEZI, M. - LU, L. - RECHTSMAN, M.C. - SCHUSTER, D. - SIMON, J. - ZILBERBERG, O. - CARUSOTTO, I. Topological photonics. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, MAR 25 2019, vol. 91, no. 1., Registrované v: WOS
59. [1.1] PEGORARO, F. - BULANOV, S.V. Hodograph solutions of the wave equation of nonlinear electrodynamics in the quantum vacuum. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 12 2019, vol. 100, no. 3., Registrované v: WOS
60. [1.1] PREUCIL, Filip - HOREJSI, Jiri. Effective Euler-Heisenberg Lagrangians in models of QED. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 8, art. no. 085005., Registrované v: WOS
61. [1.1] REMMEN, G.N. - RODD, N.L. Consistency of the standard model effective field theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 4 2019, no. 12., Registrované v: WOS
62. [1.1] ROYON, C. Exclusive Diffraction at the LHC On behalf of the ATLAS, LHCb, CMS and TOTEM experiments. In XLIX INTERNATIONAL

SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2019). ISSN 2100-014X, 2020, vol. 235., Registrované v: WOS

63. [1.1] SHABAD, A. Kinematics and Selection Rules for Light-by-Light Scattering in a Strong Magnetic Field. In UNIVERSE. NOV 2020, vol. 6, no. 11., Registrované v: WOS

64. [1.1] SCHICKER, R. - KLUSEK-GAWENDA, M. - SZCZUREK, A. PHOTON-PHOTON SCATTERING IN THE RESONANCE REGION AT MIDRAPIDITY AT THE LHC. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 4, p. 793-798., Registrované v: WOS

65. [1.1] SU, Q. - GROBE, R. Dirac Vacuum as a Transport Medium for Information. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, JAN 18 2019, vol. 122, no. 2., Registrované v: WOS

66. [1.1] VIDAL, X.C. - MARIOTTI, A. - REDIGOLO, D. - SALA, F. - TOBIOKA, K. New axion searches at flavor factories. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 14 2019, no. 1., Registrované v: WOS

67. [1.1] ZHA, W.M. - BRANDENBURG, J.D. - TANG, Z.B. - XU, Z.B. Initial transverse-momentum broadening of Breit-Wheeler process in relativistic heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, JAN 10 2020, vol. 800., Registrované v: WOS

ADCA168 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Evidence for single top-quark production in the s-channel in proton-proton collisions at root s=8 TeV with the ATLAS detector using the Matrix Element Method. In *Physics Letters B*, 2016, vol. 756, p. 228-246. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2016.03.017>

Ohlasy:

1. [1.1] AYAZI, S.Y. - MEHDIABADI, S.P. The s-Channel Single Top Quark Production as a Constraint for W ' Boson Contribution. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, JUN 2019, vol. 128, no. 6, p. 865-870., Registrované v: WOS

2. [1.1] BOTHMANN, Enrico - KRAUSS, Frank - SCHONHERR, Marek. Single top-quark production with SHERPA. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 220., Registrované v: WOS

3. [1.1] BRIVIO, I. - BRUGGISSER, S. - MALTONI, F. - MOUTAFIS, R. - PLEHN, T. - VRYONIDOU, E. - WESTHOFF, S. - ZHANG, C. O new physics, where art thou? A global search in the top sector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 24 2020, no. 2., Registrované v: WOS

4. [1.1] BRIVIO, I. - TROTT, M. The standard model as an effective field theory. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, FEB 27 2019, vol. 793, p. 1-98., Registrované v: WOS

5. [1.1] BROCHET, S. - DELAERE, C. - FRANCOIS, B. - LEMAITRE, V. - MERTENS, A. - SAGGIO, A. - MARONO, M.V. - WERTZ,

- S. MoMEMta, a modular toolkit for the Matrix Element Method at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 11 2019, vol. 79, no. 2., Registrované v: WOS
6. [1.1] DEGRANDE, Celine - MALTONI, Fabio - MIMASU, Ken - VRYONIDOU, Eleni - ZHANG, Cen. Single-top associated production with a Z or H boson at the LHC: the SMEFT interpretation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 005., Registrované v: WOS
7. [1.1] DEMARTIN, Federico - MAIER, Benedikt - MALTONI, Fabio - MAWATARI, Kentarou - ZARO, Marco. tWH associated production at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 1, art. no. 34., Registrované v: WOS
8. [1.1] FREDERIX, R. - FRIXIONE, S. - PAPANASTASIOU, A. S. - PRESTEL, S. - TORRIELLI, P. Off-shell single-top production at NLO matched to parton showers. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 6, art. no. 027., Registrované v: WOS
9. [1.1] HARTLAND, N.P. - MALTONI, F. - NOCERA, E.R. - ROJO, J. - SLADE, E. - VRYONIDOU, E. - ZHANG, C. A Monte Carlo global analysis of the Standard Model Effective Field Theory: the top quark sector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 15 2019, no. 4., Registrované v: WOS
10. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS
11. [1.1] JUEID, Adil. Probing anomalous Wtb couplings at the LHC in single t-channel top quark production. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 053006., Registrované v: WOS
12. [1.1] KIDONAKIS, Nikolaos. Soft-gluon corrections in top-quark production. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 25, art. no. 1830021., Registrované v: WOS
13. [1.1] KIDONAKIS, N. Soft anomalous dimensions for single-top production at three loops. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 24 2019, vol. 99, no. 7., Registrované v: WOS
14. [1.1] KRAUS, M. - MARTINI, T. - UWER, P. Matrix element method at NLO for (anti-) k(t)-jet algorithms. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 15 2019, vol. 100, no. 7., Registrované v: WOS
15. [1.1] MARTINI, Till - UWER, Peter. The Matrix Element Method at next-to-leading order QCD for hadronic collisions: single top-quark production at the LHC as an example application. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 141., Registrované v: WOS
16. [1.1] MOLBITZ, S. - NINH, L.D. - UWER, P. Next-to-leading order QCD corrections for single top-quark production in association with two jets. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 21 2020, vol. 101, no. 1., Registrované v: WOS
17. [1.1] PRIYANKA - RANJAN, K. - BHARDWAJ, A. Single-Top Quark Production at CMS. In UNIVERSE. JAN 2019, vol. 5, no. 1., Registrované v: WOS
18. [1.1] VAN BEEK, S. - NOCERA, E.R. - ROJO, J. - SLADE, E. Constraining the SMEFT with Bayesian reweighting. In SCIPOST PHYSICS. ISSN 2542-4653, NOV 2019, vol. 7, no. 5., Registrované v: WOS

19. [1.1] WERTZ, Sebastien. The Matrix Element Method in the LHC era. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 11010., Registrované v: WOS

ADCA169 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Evidence for s-Channel Single-Top-Quark Production in Events with One Charged Lepton and Two Jets at CDF. In *Physical Review Letters*, 2014, vol. 112, no. 23, art. no. 231804. (2013: 7.728 - IF, Q1 - JCR, 5.674 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.112.231804>

Ohlasy:

1. [1.1] BUCKLEY, Andy - ENGLERT, Christoph - FERRANDO, James - MILLER, David J. - MOORE, Liam - RUSSELL, Michael - WHITE, Chris D. Global fit of top quark effective theory to data. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 091501., Registrované v: WOS

ADCA170 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Evidence for the associated production of the Higgs boson and a top quark pair with the ATLAS detector. In *Physical Review D*, 2018, vol. 97, no. 7, art. no. 072003. (2017: 4.394 - IF, Q1 - JCR, 1.801 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.97.072003>

Ohlasy:

1. [1.1] BAGNASCHI, E. - BAHL, H. - FUCHS, E. - HAHN, T. - HEINEMEYER, S. - LIEBLER, S. - PATEL, S. - SLAVICH, P. - STEFANIAK, T. - WAGNER, C.E.M. - WEIGLEIN, G. MSSM Higgs boson searches at the LHC: benchmark scenarios for Run 2 and beyond. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, JUL 20 2019, vol. 79, no. 7., Registrované v: WOS

2. [1.1] BAHL, H. - LIEBLER, S. - STEFANIAK, T. MSSM Higgs benchmark scenarios for Run 2 and beyond: the low tan region. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS

3. [1.1] BIEKOTTER, A. - CORBETT, T. - PLEHN, T. The Gauge-Higgs legacy of the LHC run II. In *SCIPOST PHYSICS*. ISSN 2542-4653, JUN 2019, vol. 6, no. 6., Registrované v: WOS

4. [1.1] BROCHET, S. - DELAERE, C. - FRANCOIS, B. - LEMAITRE, V. - MERTENS, A. - SAGGIO, A. - MARONO, M.V. - WERTZ, S. MoMEMta, a modular toolkit for the Matrix Element Method at the LHC. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, FEB 11 2019, vol. 79, no. 2., Registrované v: WOS

5. [1.1] DONATO, S. Search and measurement of the SM Higgs boson. In *NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS*. ISSN 2037-4909, 2018, vol. 41, no. 4, art. no. 156., Registrované v: WOS

6. [1.1] EL HEDRI, Sonia - NELSON, Ann E. - WALKER, Devin G. E. Reducing the quadratic divergence in the Higgs boson mass squared without top partners. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035029., Registrované v: WOS

7. [1.1] GONCALVES, Dorival - HAN, Tao - MUKHOPADHYAY, Satyanarayan. Higgs couplings at high scales. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 015023., Registrované v: WOS
8. [1.1] HOU, Wei-Shu - KOHDA, Masaya - MODAK, Tanmoy. Probing for extra top Yukawa couplings in light of the $t\bar{t}$ (125) observation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075007., Registrované v: WOS
9. [1.1] CHABAB, M. - PEYRANERE, M. C. - RAHILI, L. Probing the Higgs sector of $Y=0$ Higgs triplet model at LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 10, art. no. 873., Registrované v: WOS
10. [1.1] KRAML, S. - LOC, T.Q. - NHUNG, D.T. - NINH, L.D. Constraining new physics from Higgs measurements with LHC Run 2 results. In SCIPOST PHYSICS. ISSN 2542-4653, OCT 2019, vol. 7, no. 4., Registrované v: WOS

ADCA171 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Evidence for the associated production of a W boson and a top quark in ATLAS at $\sqrt{s}=7$ TeV. In *Physics Letters B*, 2012, vol. 716, no. 1, p. 142-159. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2012.08.011>

Ohlasy:

1. [1.1] BRIVIO, I. - BRUGGESSER, S. - MALTONI, F. - MOUTAFIS, R. - PLEHN, T. - VRYONIDOU, E. - WESTHOFF, S. - ZHANG, C. O new physics, where art thou? A global search in the top sector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 24 2020, no. 2., Registrované v: WOS
2. [1.1] CLERBAUX, B. - FANG, W.X. - GIAMMANCO, A. - GOLDOUZIAN, R. Model-independent constraints on the CKM matrix elements V_{cb} , V_{ub} , V_{ts} and V_{td} . In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 5 2019, no. 3., Registrované v: WOS
3. [1.1] DEL DUCA, Vittorio - LAENEN, Eric. Top physics at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 35, art. no. 1530063., Registrované v: WOS
4. [1.1] D'ENTERRIA, David - KRAJCZAR, Krisztian - PAUKKUNEN, Hannu. Top-quark production in proton-nucleus and nucleus-nucleus collisions at LHC energies and beyond. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 746, pp. 64-72., Registrované v: WOS
5. [1.1] FRIXIONE, S. - HIRSCHI, V. - PAGANI, D. - SHAO, H.S. - ZARO, M. Electroweak and QCD corrections to top-pair hadroproduction in association with heavy bosons. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 184., Registrované v: WOS
6. [1.1] HUSSAIN, Mureed - KHALID, Rizwan. Understanding the muon anomalous magnetic moment in light of a flavor symmetry-based Minimal Supersymmetric Standard Model. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2018, no. 8, art. no. 083B06., Registrované v: WOS

7. [1.1] KIDONAKIS, Nikolaos. Soft-gluon corrections for $t\bar{t}$ production at (NLO)-L-3. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 034014., Registrované v: WOS
8. [1.1] KIDONAKIS, Nikolaos. Total and Differential Cross Sections for Higgs and Top-Quark Production. In UNIVERSE. ISSN 2218-1997, 2018, vol. 4, no. 11, art. no. 121., Registrované v: WOS
9. [1.1] KIDONAKIS, Nikolaos. Soft-gluon corrections in top-quark production. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 25, art. no. 1830021., Registrované v: WOS
10. [1.1] PORTER, Frank C. Experimental status of the CKM matrix. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 91, pp. 101-135., Registrované v: WOS
11. [1.1] VARZIELAS, I. de Medeiros - FISCHER, O. Non-Abelian family symmetries as portals to dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 1, art. no. 160., Registrované v: WOS
12. [1.1] WAGNER-KUHR, Jeannine. EXPERIMENTAL STUDIES OF TOP QUARK PRODUCTION. In ACTA PHYSICA SLOVACA. ISSN 0323-0465, 2016, vol. 66, no. 1, pp. 1-68., Registrované v: WOS

ADCA172 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Evidence for the $H \rightarrow b\bar{b}$ decay with the ATLAS detector. In *Journal of High Energy Physics*, 2017, no. 12, art. no. 024. (2016: 6.063 - IF, Q1 - JCR, 1.163 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP12\(2017\)024](https://doi.org/10.1007/JHEP12(2017)024)

Ohlasy:

1. [1.1] ALTMANNSHOFER, Wolfgang - MADDOCK, Brian. Flavorful two-Higgs-doublet models with a twist. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075005., Registrované v: WOS
2. [1.1] ANGER, F. R. - CORDERO, F. Febres - ITA, H. - SOTNIKOV, V. NLO QCD predictions for $Wb\bar{b}$ production in association with up to three light jets at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 036018., Registrované v: WOS
3. [1.1] ARCADI, Giorgio. 2HDM portal for singlet-doublet dark matter. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 10, art. no. 864., Registrované v: WOS
4. [1.1] BAGNASCHI, E. - BAHL, H. - FUCHS, E. - HAHN, T. - HEINEMEYER, S. - LIEBLER, S. - PATEL, S. - SLAVICH, P. - STEFANIAK, T. - WAGNER, C.E.M. - WEIGLEIN, G. MSSM Higgs boson searches at the LHC: benchmark scenarios for Run 2 and beyond. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 20 2019, vol. 79, no. 7., Registrované v: WOS
5. [1.1] BAHL, H. - LIEBLER, S. - STEFANIAK, T. MSSM Higgs benchmark scenarios for Run 2 and beyond: the low $\tan\beta$ region. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS
6. [1.1] BARRETO, E. R. - DIAS, A. G. - LEITE, J. - NISHI, C. C. - OLIVEIRA, R. L. N. - VIEIRA, W. C. Hierarchical fermions and detectable Z' from effective two-Higgs-triplet 3-3-1 model. In PHYSICAL REVIEW D. ISSN

- 2470-0010, 2018, vol. 97, no. 5, art. no. 055047., Registrované v: WOS
7. [1.1] BASLER, P. - DAWSON, S. - ENGLERT, C. - MUHLLEITNER, M. Showcasing HH production: Benchmarks for the LHC and HL-LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 29 2019, vol. 99, no. 5., Registrované v: WOS
8. [1.1] BIEKOTTER, A. - CORBETT, T. - PLEHN, T. The Gauge-Higgs legacy of the LHC run II. In SCIPOST PHYSICS. ISSN 2542-4653, JUN 2019, vol. 6, no. 6., Registrované v: WOS
9. [1.1] BOTELLA, Francisco J. - CORNET-GOMEZ, Fernando - NEBOT, Miguel. Flavor conservation in two-Higgs-doublet models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035046., Registrované v: WOS
10. [1.1] DAWSON, S. - ENGLERT, C. - PLEHN, T. Higgs physics: It ain't over till it is over. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, JUL 3 2019, vol. 816, p. 1-85., Registrované v: WOS
11. [1.1] DONATO, S. Search and measurement of the SM Higgs boson. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2018, vol. 41, no. 4, art. no. 156., Registrované v: WOS
12. [1.1] FORTE, S. - LEVY, A. - RIDOLFI, G. From My Vast Repertoire ... Guido Altarelli's Legacy Preface. In FROM MY VAST REPERTOIRE ... : GUIDO ALTARELLI'S LEGACY. 2019, p. V-+., Registrované v: WOS
13. [1.1] GONCALVES, Dorival - NAKAMURA, Junya. Role of the Z polarization in the $H \rightarrow b\bar{b}$ measurement. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 093005., Registrované v: WOS
14. [1.1] GONCALVES, Dorival - HAN, Tao - MUKHOPADHYAY, Satyanarayan. Off-Shell Higgs Probe of Naturalness. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 11, art. no. 111801., Registrované v: WOS
15. [1.1] HUANG, Peisi - JOGLEKAR, Aniket - LI, Min - WAGNER, Carlos E. M. Corrections to di-Higgs boson production with light stops and modified Higgs couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075001., Registrované v: WOS
16. [1.1] CHATTERJEE, S. - DAS, A. - SAMUI, T. - SEN, M. Mixed WIMP-axion dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 31 2019, vol. 100, no. 11., Registrované v: WOS
17. [1.1] KANG, Z.B. - REITEN, J. - VITEV, I. - YOON, B. Light and heavy flavor dijet production and dijet mass modification in heavy ion collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 15 2019, vol. 99, no. 3., Registrované v: WOS
18. [1.1] KRAML, S. - LOC, T.Q. - NHUNG, D.T. - NINH, L.D. Constraining new physics from Higgs measurements with Lilith: update to LHC Run 2 results. In SCIPOST PHYSICS. ISSN 2542-4653, OCT 2019, vol. 7, no. 4., Registrované v: WOS
19. [1.1] LIAO, Q.L. - JIANG, J. Excited heavy quarkonium production in Higgs boson decays. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 10 2019, vol. 100, no. 5., Registrované v: WOS
20. [1.1] MOORE, L. - NORDSTROM, K. - VARMA, S. - FAIRBAIRN,

M. Reports of my demise are greatly exaggerated: N-subjettiness taggers take on jet images. In *SCIPOST PHYSICS*. ISSN 2542-4653, SEP 2019, vol. 7, no. 3., Registrované v: WOS

21. [1.1] MURPHY, Christopher W. Statistical approach to Higgs boson couplings in the standard model effective field theory. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 015007., Registrované v: WOS

22. [1.1] NEBOT, M. - BOTELLA, F.J. - BRANCO, G.C. Vacuum induced CP violation generating a complex CKM matrix with controlled scalar FCNC. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, AUG 2019, vol. 79, no. 8., Registrované v: WOS

23. [1.1] NORDSTROM, K. - PAPAEFSTATHIOU, A. VHH production at the high-luminosity LHC. In *EUROPEAN PHYSICAL JOURNAL PLUS*. ISSN 2190-5444, JUN 2019, vol. 134, no. 6., Registrované v: WOS

24. [1.1] RAMSEY-MUSOLF, Michael J. - WHITE, Graham - WINSLOW, Peter. Color breaking baryogenesis. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 97, no. 12, art. no. 123509., Registrované v: WOS

25. [1.1] SANZ, Veronica - SETFORD, Jack. Composite Higgs Models after Run 2. In *ADVANCES IN HIGH ENERGY PHYSICS*. ISSN 1687-7357, 2018, art. no. 7168480., Registrované v: WOS

26. [1.1] TORASSA, Ezio. The Standard Model and Higgs physics. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2018, vol. 100, pp. 69-106., Registrované v: WOS

ADCA173 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavel. Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. In *Journal of High Energy Physics*, 2015, vol. 2015, no. 4, art. no. 117. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP04\(2015\)117](https://doi.org/10.1007/JHEP04(2015)117)

Ohlasy:

1. [1.1] ABDUSSALAM, S. - CABRERA, M.E. Revealing mass-degenerate states in Higgs boson signals. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, DEC 2019, vol. 79, no. 12., Registrované v: WOS

2. [1.1] ABDUSSALAM, S.S. Testing Higgs boson scenarios in the phenomenological NMSSM. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, MAY 25 2019, vol. 79, no. 5., Registrované v: WOS

3. [1.1] ALVES, Alexandre - CAMARGO, Daniel A. - DIAS, Alex G. Heavy Higgs boson coupled to vectorlike quarks: Strong CP problem and search prospects at the 14 TeV LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015027., Registrované v: WOS

4. [1.1] ANGELESCU, A. - HUANG, P. Multistep strongly first order phase transitions from new fermions at the TeV scale. In *PHYSICAL REVIEW D*. ISSN 2470-0010, MAR 19 2019, vol. 99, no. 5., Registrované v: WOS

5. [1.1] ARBEY, Alexandre - CACCIAPAGLIA, Giacomo - CAI, Haiying - DEANDREA, Aldo - LE CORRE, Solene - SANNINO, Francesco. Fundamental composite electroweak dynamics: Status at the LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015028., Registrované v: WOS

6. [1.1] BABU, K.S. - JANA, S. Enhanced di-Higgs production in the two Higgs doublet model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 28 2019, no. 2., Registrované v: WOS
7. [1.1] BERGE, Stefan - BERNREUTHER, Werner - KIRCHNER, Sebastian. Prospects of constraining the Higgs boson's CP nature in the tau decay channel at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 096012., Registrované v: WOS
8. [1.1] BERNON, Jeremy - DUMONT, Beranger. Lilith: a tool for constraining new physics from Higgs measurements. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 440., Registrované v: WOS
9. [1.1] BHARDWAJ, A. - KONAR, P. - SHARMA, P. - SWAIN, A.K. Exploring CP phase in tau-lepton Yukawa coupling in Higgs decays at the LHC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, OCT 2019, vol. 46, no. 10., Registrované v: WOS
10. [1.1] BREHMER, Johann - KLING, Felix - PLEHN, Tilman - TAIT, Tim M. P. Better Higgs-CP tests through Information geometry. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095017., Registrované v: WOS
11. [1.1] CRIVELLIN, Andreas - HEECK, Julian - STOFFER, Peter. Perturbed Lepton-Specific Two-Higgs-Doublet Model Facing Experimental Hints for Physics beyond the Standard Model. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 8, art. no. 081801., Registrované v: WOS
12. [1.1] DAS, Dipankar - KUNDU, Anirban. Two hidden scalars around 125 GeV and $h \rightarrow \mu \tau$. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 015009., Registrované v: WOS
13. [1.1] DE BLAS, Jorge - EBERHARDT, Otto - KRAUSE, Claudius. Current and future constraints on Higgs couplings in the nonlinear Effective Theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 048., Registrované v: WOS
14. [1.1] DERY, Avital - FRUGIUELE, Claudia - NIR, Yosef. Large Higgs-electron Yukawa coupling in 2HDM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 4, art. no. 044., Registrované v: WOS
15. [1.1] DEUTSCHMANN, N. - MALTONI, F. - WIESEMANN, M. - ZARO, M. Top-Yukawa contributions to bbH production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 10 2019, no. 7., Registrované v: WOS
16. [1.1] DWIVEDI, Siddharth - MONDAL, Subhadeep - MUKHOPADHYAYA, Biswarup. Exploring anomalous $hb(b)\overline{b}$ and $hb(b)\overline{b}$ gamma couplings in the context of the LHC and an $e(+)e(-)$ collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015035., Registrované v: WOS
17. [1.1] ESSIG, Rouven - MEADE, Patrick - RAMANI, Harikrishnan - ZHONG, Yi-Ming. Higgs-precision constraints on colored naturalness. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 9, art. no. 085., Registrované v: WOS
18. [1.1] FALKOWSKI, Adam - GONZALEZ-ALONSO, Martin - GRELJO, Admir - MARZOCCA, David. Global Constraints on Anomalous Triple Gauge Couplings in the Effective Field Theory Approach. In PHYSICAL

- REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 1, art. no. 011801.,
Registrované v: WOS
19. [1.1] FERREIRA, P.M. - SHER, M. Suppression of the Higgs boson
dimuon decay. In PHYSICAL REVIEW D. ISSN 1550-7998, MAY 22 2020,
vol. 101, no. 9., Registrované v: WOS
20. [1.1] FRASER, S. - GABRIELLI, E. - MARZO, C. - MARZOLA, L.
- RAIDAL, M. Left-right supersymmetry as the origin of flavor structure. In
PHYSICAL REVIEW D. ISSN 2470-0010, DEC 2 2019, vol. 100, no. 11.,
Registrované v: WOS
21. [1.1] GHOSH, Diptimoy - GUPTA, Rick Sandeepan - PEREZ, Gilad.
Is the Higgs mechanism of fermion mass generation a fact? A Yukawa-less
first-two-generation model. In PHYSICS LETTERS B. ISSN 0370-2693, 2016,
vol. 755, pp. 504-508., Registrované v: WOS
22. [1.1] GHOSH, T. - GODBOLE, R. - TATA, X. Determining the
spacetime structure of bottom-quark couplings to spin-zero particles. In
PHYSICAL REVIEW D. ISSN 2470-0010, JUL 18 2019, vol. 100, no. 1.,
Registrované v: WOS
23. [1.1] GONZALEZ FELIPE, R. - SERODIO, H. Maximally restrictive
leptonic texture zeros in two-Higgs-doublet models. In JOURNAL OF PHYSICS
G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no.
6, art. no. 065002., Registrované v: WOS
24. [1.1] HAYRETER, Alper - HE, Xiao-Gang - VALENCIA, German.
Yukawa sector for lepton flavor violating in $h \rightarrow \mu \tau$ and CP violation in $h \rightarrow \tau \tau$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no.
075002., Registrované v: WOS
25. [1.1] HAYRETER, Alper - HE, Xiao-Gang - VALENCIA, German.
CP violation in $h \rightarrow \tau \tau$ and LFV $h \rightarrow \mu \tau$. In PHYSICS LETTERS B. ISSN
0370-2693, 2016, vol. 760, pp. 175-177., Registrované v: WOS
26. [1.1] HERRERO-GARCIA, Juan - OHLSSON, Tommy - RIAD,
Stella - WIREN, Jens. Full parameter scan of the Zee model: exploring Higgs
lepton flavor violation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN
1029-8479, 2017, no. 4, art. no. 130., Registrované v: WOS
27. [1.1] CHAKRABORTY, Indrani - MUKHOPADHYAYA, Biswarup
- MONDAL, Subhadeep. Lepton flavor violating Higgs boson decay at $e(+)e(-)$
colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11,
art. no. 115020., Registrované v: WOS
28. [1.1] CHATTERJEE, S. - DAS, A. - SAMUI, T. - SEN, M. Mixed
WIMP-axion dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 31
2019, vol. 100, no. 11., Registrované v: WOS
29. [1.1] CHATTOPADHYAY, U. - DAS, D. - MUKHERJEE, S.
Probing lepton flavor violating decays in MSSM with non-holomorphic soft
terms. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 1
2020, no. 6., Registrované v: WOS
30. [1.1] JANA, Sudip - NANDI, S. New physics scale from Higgs
observables with effective dimension-6 operators. In PHYSICS LETTERS B.
ISSN 0370-2693, 2018, vol. 783, pp. 51-58., Registrované v: WOS
31. [1.1] JEANS, Daniel. Tau lepton reconstruction at collider
experiments using impact parameters. In NUCLEAR INSTRUMENTS &
METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS
SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN

- 0168-9002, 2016, vol. 810, pp. 51-58., Registrované v: WOS
32. [1.1] KACHANOVICH, A. - NIERSTE, U. - NISANDZIC, I. Higgs boson decay into a lepton pair and a photon revisited. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 16 2020, vol. 101, no. 7., Registrované v: WOS
33. [1.1] KORCHIN, Alexander Yu. - KOVALCHUK, Vladimir A. Decay of the Higgs boson to $\tau(-)\tau(+)$ and non-Hermiticity of the Yukawa interaction. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 076003., Registrované v: WOS
34. [1.1] KUMAR, S. - POULOSE, P. - RAHAMAN, R. - SINGH, R.K. Measuring Higgs self-couplings in the presence of VVH and VVHH at the ILC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, JUN 30 2019, vol. 34, no. 18., Registrované v: WOS
35. [1.1] MURRONE, A. Measurements of Higgs boson production cross section and CP violation in the $H \rightarrow \tau\tau$ decay channel with the ATLAS detector. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2018, vol. 41, no. 3, art. no. 97., Registrované v: WOS
36. [1.1] MURRONE, A. Measurements of Higgs boson production cross-section and CP violation in the $H \rightarrow \tau\tau$ decay channel with the ATLAS detector. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, JUL-AUG 2019, vol. 42, no. 4., Registrované v: WOS
37. [1.1] MURRONE, A. Measurements of the Higgs production cross section in the $H \rightarrow \tau\tau$ decay channel with the ATLAS experiment. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, MAR-JUN 2020, vol. 43, no. 2-3., Registrované v: WOS
38. [1.1] PEREZ, Gilad - SOREQ, Yotam - STAMOU, Emmanuel - TOBIOKA, Kohsaku. Constraining the charm Yukawa and Higgs-quark coupling universality. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 033016., Registrované v: WOS
39. [1.1] PEREZ, Gilad - SOREQ, Yotam - STAMOU, Emmanuel - TOBIOKA, Kohsaku. Prospects for measuring the Higgs boson coupling to light quarks. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 013001., Registrované v: WOS
40. [1.1] PROSPER, Harrison B. Deep Learning and Bayesian Methods. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 11007., Registrované v: WOS
41. [1.1] RAUCH, Michael - ZEPPENFELD, Dieter. Jet clustering dependence of Higgs boson production in vector-boson fusion. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 114015., Registrované v: WOS
42. [1.1] RUIZ, Richard - SPANNOWSKY, Michael - WAITE, Philip. Heavy neutrinos from gluon fusion. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 055042., Registrované v: WOS
43. [1.1] YUE, Jason Tsz Shing. Preface-The Higgs Discovery. In HIGGS PROPERTIES AT THE LHC: IMPLICATIONS FOR THE STANDARD MODEL AND FOR COSMOLOGY. ISSN 2190-5053, 2017, pp. IX-XIV., Registrované v: WOS
44. [1.1] ZHENG, S.B. Minimal vectorlike model in supersymmetric

unification. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 26 2020, vol. 80, no. 3., Registrované v: WOS
45. [1.1] ZHENG, S.B. Probing unification with precision Higgs physics. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 22 2020, vol. 101, no. 11., Registrované v: WOS

ADCA174 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Evidence for the Charmless Annihilation Decay Mode $B_s(0) - \pi^+\pi^-$. In *Physical Review Letters*, 2012, vol. 108, no. 21, art. no. 211803. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.108.211803>

Ohlasy:

1. [1.1] LIU, Xin - XIAO, Zhen-Jun - LI, Jing-Wu - ZOU, Zhi-Tian. Charmless hadronic $B \rightarrow (f(1)(1285), f(1)(1420))P$ decays in the perturbative QCD approach. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 014008., Registrované v: WOS

2. [1.1] LI, Ying - WANG, Wen-Long - DU, Dong-Shuo - LI, Zuo-Hong - XU, Hong-Xia. Impact of family-non-universal Z' boson on pure annihilation $B \rightarrow \pi^+\pi^-$ and $B \rightarrow K^+K^-$ decays. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 7, art. no. 328., Registrované v: WOS

ADCA175 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - ABED ABUD, A. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Evidence for the production of three massive vector bosons with the ATLAS detector. In *Physics Letters B*, 2019, vol. 798, art. no. 134913. (2018: 4.162 - IF, Q2 - JCR, 1.806 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2019.134913>

Ohlasy:

1. [1.1] ARBUZOV, B.A. The Bogolyubov Compensation Principle and Anomalous Interactions of Electroweak Bosons. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, JUL 2020, vol. 51, no. 4, p. 526-530., Registrované v: WOS

ADCA176 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Evidence for the spin-0 nature of the Higgs boson using ATLAS data. In *Physics Letters B*, 2013, vol. 726, no. 1-3, p. 120-144. (2012: 4.569 - IF, Q1 - JCR, 3.353 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2013.08.026>

Ohlasy:

1. [1.1] AHMED, Taushif - BONVINI, Marco - KUMAR, M. C. - MATHEWS, Prakash - RANA, Narayan - RAVINDRAN, V. - ROTTOLI, Luca. Pseudo-scalar Higgs boson production at $(\text{NLO})\text{-L-3}+(\text{NLL})\text{-L-3}'$. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 12, art. no. 663., Registrované v: WOS

2. [1.1] AHMED, Taushif - KUMAR, M. C. - MATHEWS, Prakash - RANA, Narayan - RAVINDRAN, V. Pseudo-scalar Higgs boson production at threshold NLO and NLL QCD. In EUROPEAN PHYSICAL JOURNAL C. ISSN

- 1434-6044, 2016, vol. 76, no. 6, art. no. 355., Registrované v: WOS
3. [1.1] ANDERSEN, Jeppe R. - HAPOLA, Tuomas - MAIER, Andreas - SMILLIE, Jennifer M. Higgs boson plus dijets: higher order corrections. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 9, art. no. 065., Registrované v: WOS
4. [1.1] ARHRIB, A. - BENBRIK, R. - EL FALAKI, J. - SAMPAIO, M. - SANTOS, R. Pseudoscalar decays to gauge bosons at the LHC and at a future 100 TeV collider. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 27 2019, vol. 99, no. 3., Registrované v: WOS
5. [1.1] BELANGER, Genevieve - GHOSH, Diptimoy - GODBOLE, Rohini - KULKARNI, Suchita. Light stop in the MSSM after LHC Run 1. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art. no. 214., Registrované v: WOS
6. [1.1] BELYAEV, N. - REID, T. Limits on Higgs boson couplings in Effective field theory. In INTERNATIONAL CONFERENCE ON PARTICLE PHYSICS AND ASTROPHYSICS (ICPPA-2015), PTS 1-4. ISSN 1742-6588, 2016, vol. 675, art. no. 022023., Registrované v: WOS
7. [1.1] BENEKE, M. - BOITO, D. - WANG, Y.M. Signatures of anomalous Higgs couplings in angular asymmetries of $H \rightarrow Zl^{(+)}l^{(-)}$ and $e^{+}e^{-} \rightarrow HZ$. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 846-851., Registrované v: WOS
8. [1.1] BERGE, Stefan - BERNREUTHER, Werner - KIRCHNER, Sebastian. Prospects of constraining the Higgs boson's CP nature in the tau decay channel at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 096012., Registrované v: WOS
9. [1.1] BERGE, Stefan - BERNREUTHER, Werner - KIRCHNER, Sebastian. Determination of the Higgs CP-mixing angle in the tau decay channels. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 841-845., Registrované v: WOS
10. [1.1] BERGE, S. - GROOTE, S. - KORNER, J. G. - KALDAMAE, L. Lepton-mass effects in the decays $H \rightarrow ZZ^{*} \rightarrow l^{(+)}l^{(-)}\tau^{(+)}\tau^{(-)}$ and $H \rightarrow WW^{*} \rightarrow l\nu\tau\nu(\tau)$. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 033001., Registrované v: WOS
11. [1.1] BERGSTROEM, Johannes - RIAD, Stella. Bayesian model comparison of Higgs couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 7, art. no. 075008., Registrované v: WOS
12. [1.1] BETANCUR, A. - DEBNATH, D. - GAINER, J.S. - MATCHEV, K.T. - SHYAMSUNDAR, P. Measuring the mass, width, and couplings of semi-invisible resonances with the matrix element method. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 11 2019, vol. 99, no. 11., Registrované v: WOS
13. [1.1] BHARDWAJ, A. - KONAR, P. - SHARMA, P. - SWAIN, A.K. Exploring CP phase in tau-lepton Yukawa coupling in Higgs decays at the LHC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, OCT 2019, vol. 46, no. 10., Registrované v: WOS
14. [1.1] BHATIA, Disha - MAITRA, Ushoshi - NIYOGI, Saurabh. Discovery prospects of a light Higgs boson at the LHC in type-I 2HDM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055027., Registrované v: WOS
15. [1.1] BIINO, C. Status of the LHC experiments and Standard-Model

- result highlights. In ASTRONOMISCHE NACHRICHTEN. ISSN 0004-6337, 2015, vol. 336, no. 8-9, pp. 762-767., Registrované v: WOS
16. [1.1] BOROWKA, S. - DUHR, C. - MALTONI, F. - PAGANI, D. - SHIVAJI, A. - ZHAO, X.R. Probing the scalar potential via double Higgs boson production at hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 2 2019, no. 4., Registrované v: WOS
17. [1.1] BOSELLI, Stefano - CALAME, Carlo M. Carloni - MONTAGNA, Guido - NICROSINI, Oreste - PICCININI, Fulvio. Higgs boson decay into four leptons at NLOPS electroweak accuracy. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 023., Registrované v: WOS
18. [1.1] BOUDJEMA, Fawzi - GUADAGNOLI, Diego - GODBOLE, Rohini M. - MOHAN, Kirtimaan A. Laboratory-frame observables for probing the top-Higgs boson interaction. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 1, art. no. 015019., Registrované v: WOS
19. [1.1] BOYARKIN, O. M. - BOYARKINA, G. G. On probing Higgs couplings in $H \rightarrow Z e^{(+)} e^{(-)}$ and $e^{(+)} e^{(-)} \rightarrow Z H$. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 4-5, art. no. 1650005., Registrované v: WOS
20. [1.1] BRIVIO, I. - TROTT, M. The standard model as an effective field theory. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, FEB 27 2019, vol. 793, p. 1-98., Registrované v: WOS
21. [1.1] BRUST, Christopher. Resurgent supersymmetry and string theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 8, art. no. 054., Registrované v: WOS
22. [1.1] CAOLA, Fabrizio - MELNIKOV, Kirill - SCHULZE, Markus. Fiducial cross sections for Higgs boson production in association with a jet at next-to-next-to-leading order in QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 074032., Registrované v: WOS
23. [1.1] CAO, Jun - LIU, Yao-Bei. Search for doubly-charged Higgs bosons through the diboson decay channel at the ILC. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 32, art. no. 1650182., Registrované v: WOS
24. [1.1] CAO, Jun - LI, Yu-Qi - LIU, Yao-Bei. Searching for the doubly charged scalars in the Georgi-Machacek model via gamma gamma collisions at the ILC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 11, art. no. 1841003., Registrované v: WOS
25. [1.1] CAO, Jun - TIAN, Xi-Yan. Doubly and singly charged Higgs pair production at high-energy $e^{(+)} e^{(-)}$ linear colliders. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 10, art. no. 1650056., Registrované v: WOS
26. [1.1] COLEPPA, Baradhwaj - KUMAR, Satendra - SARKAR, Agnivo. Fermiophobic gauge boson phenomenology in 221 models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095009., Registrované v: WOS
27. [1.1] COLEPPA, B. - SARKAR, A. - RAI, S.K. Charged Higgs boson discovery prospects. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 25 2020, vol. 101, no. 5., Registrované v: WOS
28. [1.1] COLLABORATION, Cms. Measurement of the transverse

- momentum spectrum of the Higgs boson produced in pp collisions at $\sqrt{s}=8$ TeV using $H \rightarrow WW$ decays. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 032., Registrované v: WOS
29. [1.1] CORDERO, F. Febres - HOFMANN, P. - ITA, H. $W+W \rightarrow 3$ -jet production at the Large Hadron Collider in next-to-leading-order QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034006., Registrované v: WOS
30. [1.1] CUI, Zhen-Wei - LI, Qiang - LI, Gang - RUAN, Man-Qi - WANG, Lei - YANG, Da-Neng. Measurement of $H \rightarrow \mu^{+}\mu^{-}$ production in association with a Z boson at the CEPC. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 5, art. no. 053001., Registrované v: WOS
31. [1.1] CULLEN, J.M. - PECJAK, B.D. - SCOTT, D.J. NLO corrections to $h \rightarrow b\bar{b}$ decay in SMEFT. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 29 2019, no. 8., Registrované v: WOS
32. [1.1] DEBNATH, Dipsikha - GAINER, James S. - MATCHEV, Konstantin T. Discoveries far from the lamppost with matrix elements and ranking. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 743, pp. 1-5., Registrované v: WOS
33. [1.1] DEL DUCA, Vittorio - DUHR, Claude - SOMOGYI, Gabor - TRAMONTANO, Francesco - TROCASANYI, Zoltan. Higgs boson decay into b-quarks at NNLO accuracy. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 036., Registrované v: WOS
34. [1.1] DELEPINE, D. - NOVALES-SANCHEZ, H. Interplay between neutrino magnetic moments and CP violating phases in left-right models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095016., Registrované v: WOS
35. [1.1] DENNER, Ansgar - DITTMAIER, Stefan - KALLWEIT, Stefan - MUECK, Alexander. HAWK 2.0: A Monte Carlo program for Higgs production in vector-boson fusion and Higgs strahlung at hadron colliders. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2015, vol. 195, pp. 161-171., Registrované v: WOS
36. [1.1] DRUTSKOY, A.G. Experiments at the ILC linear collider: expected physical results. In PHYSICS-USPEKHI. ISSN 1063-7869, 2019, vol. 62, no. 5, p. 450-464., Registrované v: WOS
37. [1.1] DULAT, Falko - LIONETTI, Simone - MISTLBERGER, Bernhard - PELLONI, Andrea - SPECCHIA, Caterina. Higgs-differential cross section at NNLO in dimensional regularisation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 7, art. no. 017., Registrované v: WOS
38. [1.1] DUMONT, Beranger. At Least a Higgs Boson. In HIGGS, SUPERSYMMETRY AND DARK MATTER AFTER RUN I OF THE LHC. ISSN 2190-5053, 2017, pp. 29-151., Registrované v: WOS
39. [1.1] EGGER, Larissa - MAAS, Axel - SONDENHEIMER, Rene. Pair production processes and flavor in gauge-invariant perturbation theory. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2017, vol. 32, no. 38, art. no. 1750212., Registrované v: WOS
40. [1.1] ELLIS, John. Discrete Glimpses. In 4TH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES (DISCRETE2014). ISSN 1742-6588, 2015, vol. 631, art. no. 012001.,

Registrované v: WOS

41. [1.1] EL-NAGDY, M. S. - ABDELALIM, A. A. - MAHROUS, A. - PUGLIESE, G. - ALY, S. A Study of the Higgs Boson Production in the Dimuon Channel at 14 TeV. In ARAB JOURNAL OF NUCLEAR SCIENCES AND APPLICATIONS. ISSN 1110-0451, 2016, vol. 49, no. 4, pp. 11-15.,

Registrované v: WOS

42. [1.1] ENGLERT, Christoph - FERRETTI, Gabriele - SPANNOVSKY, Michael. Jet-associated resonance spectroscopy. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 842., Registrované v: WOS

43. [1.1] GAINER, James S. - GONZALEZ-ALONSO, Martn - GRELJO, Admir - ISAKOVIC, Senad - ISIDORI, Gino - KORYTOV, Andrey - LYKKEN, Joseph - MARZOCCA, David - MATCHEV, Konstantin T. - MILENOVIC, Predrag - MITSSELMACHER, Guenakh - MRENNNA, Stephen - PARK, Myeonghun - RINKEVICIUS, Aurelijus - SELIMOVIC, Nudzeim. Adding pseudo-observables to the four-lepton experimentalist's toolbox. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 073., Registrované v: WOS

44. [1.1] GAINER, James S. - LYKKEN, Joseph - MATCHEV, Konstantin T. - MRENNNA, Stephen - PARK, Myeonghun. Beyond geolocating: Constraining higher dimensional operators in $H \rightarrow 4l$ with off-shell production and more. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 035011., Registrované v: WOS

45. [1.1] GAULD, Rhorry - PECJAK, Benjamin D. - SCOTT, Darren J. QCD radiative corrections for $h \rightarrow b\bar{b}$ in the standard model dimension-6 effective field theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 074045., Registrované v: WOS

46. [1.1] GAULD, Rhorry - PECJAK, Benjamin D. - SCOTT, Darren J. One-loop corrections to $h \rightarrow b\bar{b}$ and $h \rightarrow \tau\bar{\tau}$ decays in the Standard Model dimension-6 EFT: four-fermion operator and the large- $m(t)$ limit. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 080., Registrované v: WOS

47. [1.1] GIUDICE, Gian Francesco. Collider Physics within the Standard Model A Primer Foreword. In COLLIDER PHYSICS WITHIN THE STANDARD MODEL: A PRIMER. ISSN 0075-8450, 2017, vol. 937, pp. V-+., Registrované v: WOS

48. [1.1] GRAZZINI, M. - KALLWEIT, S. - WIESEMANN, M. - YOOK, J.Y. ZZ production at the LHC: NLO QCD corrections to the loop-induced gluon fusion channel. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 13 2019, no. 3., Registrované v: WOS

49. [1.1] GRAZZINI, M. - KALLWEIT, S. - WIESEMANN, M. - YOOK, J.Y. W+W- production at the LHC: NLO QCD corrections to the loop-induced gluon fusion channel. In PHYSICS LETTERS B. ISSN 0370-2693, MAY 10 2020, vol. 804., Registrované v: WOS

50. [1.1] GREINER, Nicolas - HOECHE, Stefan - LUISONI, Gionata - SCHOENHERR, Merck - WINER, Jan-Christopher - YUNDIN, Valery. Phenomenological analysis of Higgs boson production through gluon fusion in association with jets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 1, art. no. 169., Registrované v: WOS

51. [1.1] HAGIWARA, Kaoru - MA, Kai - YOKOYA, Hiroshi. Probing

- CP violation in $e^{+}e^{-}$ production of the Higgs boson and toponia. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 6, art. no. 048., Registrované v: WOS
52. [1.1] HAGIWARA, Kaoru - MA, Kai - MORI, Shingo. Probing CP Violation in $h \rightarrow \tau^{+}\tau^{-}$ at the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 118, no. 17, art. no. 171802., Registrované v: WOS
53. [1.1] HAMITY, Guillermo Nicolas. Results of the search for an A boson decaying to Zh , with an $ll \tau^{+}\tau^{-}$ final state, in pp collisions at 8 TeV centre of mass energy recorded with the ATLAS experiment. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP (HEPPW2015). ISSN 1742-6588, 2015, vol. 645, art. no. UNSP 012011., Registrované v: WOS
54. [1.1] HAMITY, Guillermo Nicolas. Results of Beyond-the-Standard Model 2HDM Higgs Searches using the ATLAS detector in Run-I. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2014). ISSN 1742-6588, 2015, vol. 623, art. no. 012013., Registrované v: WOS
55. [1.1] HAN, Chengcheng - KIM, Doojin - KIM, Minho - KONG, Kyoungchul - LIM, Sung Hak - PARK, Myeonghun. Identifying a new particle with jet substructures. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 1, art. no. 027., Registrované v: WOS
56. [1.1] HAN, S. - LI, G. - ZHOU, X. - JIE, Q.L. Initial state radiation correction and its effect on data-taking scheme for $\sigma(B) (e^{+}e^{-} \rightarrow ZH)$ measurement. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, JUL 30 2019, vol. 34, no. 21., Registrované v: WOS
57. [1.1] HARTANTO, H. B. - JAEGER, B. - REINA, L. - WACKEROTH, D. Higgs boson production in association with top quarks in the POWHEG BOX. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 094003., Registrované v: WOS
58. [1.1] HENG, Zhaoxia - GONG, Xue - ZHOU, Haijing. Pair production of Higgs boson in NMSSM at the LHC with the next-to-lightest CP-even Higgs boson being SM-like. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 7, art. no. 073103., Registrované v: WOS
59. [1.1] HERNER, Kenneth. Higgs Boson Studies at the Tevatron. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 852-856., Registrované v: WOS
60. [1.1] HE, Xiao-Gang - LI, Guan-Nan - ZHENG, Ya-Juan. Probing Higgs boson CP properties with $t(\bar{t})\gamma$ at the LHC and the 100 TeV pp collider. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 25, art. no. 1550156., Registrované v: WOS
61. [1.1] HOHMANN, Manuel - SCHARER, Andreas. Post-Newtonian parameters γ and β of scalar-tensor gravity for a homogeneous gravitating sphere. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 10, art. no. 104026., Registrované v: WOS
62. [1.1] CHECCHIA, Paolo. Implications of a 125 GeV Higgs boson. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 7, art. no. 1530003., Registrované v: WOS
63. [1.1] CHEUNG, K. - LEE, J.S. - TSENG, P.Y. New emerging results in Higgs precision analysis updates 2018 after establishment of third-generation Yukawa couplings. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 12 2019, no. 9., Registrované v: WOS

64. [1.1] CHOUDHURY, Somnath. Measurements of the Higgs Boson at the LHC and Tevatron. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. 05002., Registrované v: WOS
65. [1.1] ISLAM, R. - KUMAR, M. - RAWOOT, V. kT-factorization approach to the Higgs boson production in $Z \rightarrow 4$ channel at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 28 2019, vol. 79, no. 3., Registrované v: WOS
66. [1.1] JANGID, S. - BANDYOPADHYAY, P. - DEV, P.S.B. - KUMAR, A. Vacuum stability in inert higgs doublet model with right-handed neutrinos. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 28 2020, no. 8., Registrované v: WOS
67. [1.1] JUNK, Thomas R. - JUSTE, Aurelio. Review of physics results from the Tevatron: Higgs boson physics. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 6, art. no. 1541006., Registrované v: WOS
68. [1.1] KANEMURA, Shinya - KIKUCHI, Mariko - YAGYU, Kei. Fingerprinting the extended Higgs sector using one-loop corrected Higgs boson couplings and future precision measurements. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 896, pp. 80-137., Registrované v: WOS
69. [1.1] KANEMURA, Shinya - YOKOYA, Hiroshi - ZHENG, Ya-Juan. Searches for additional Higgs bosons in multi-top-quarks events at the LHC and the International Linear Collider. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 898, pp. 286-300., Registrované v: WOS
70. [1.1] KARAM, Alexandros - TAMVAKIS, Kyriakos. Dark matter and neutrino masses from a scale-invariant multi-Higgs portal. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 075010., Registrované v: WOS
71. [1.1] KARDOS, A. - TROCSANYI, Z. Hadroproduction of t-anti-t pair with two isolated photons with PowHel. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 897, pp. 717-731., Registrované v: WOS
72. [1.1] KIM, Doojin - MATCHEV, Konstantin T. - PARK, Myeonghun. Using sorted invariant mass variables to evade combinatorial ambiguities in cascade decays. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 2, art. no. 129., Registrované v: WOS
73. [1.1] KITADONO, Yoshio - INAGAKI, Tomohiro. Elliptically oscillating classical solution in Higgs potential and the effects on vacuum transitions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 093014., Registrované v: WOS
74. [1.1] KLING, Felix - PYARELAL, Adarsh - SU, Shufang. Light charged Higgs bosons to AW/HW via top decay. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 11, art. no. 051., Registrované v: WOS
75. [1.1] KONAR, Partha - SHARMA, Pankaj - SWAIN, Abhaya Kumar. CP Sensitive Observable Exploring Tau Lepton Pairs from Higgs at the LHC. In XXII DAE HIGH ENERGY PHYSICS SYMPOSIUM. ISSN 0930-8989, 2018, vol. 203, pp. 427-429., Registrované v: WOS
76. [1.1] KORCHIN, Alexander Yu. - KOVALCHUK, Vladimir A. Decay of the Higgs boson to tau(-)tau(+) and non-Hermiticity of the Yukawa interaction. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7,

- art. no. 076003., Registrované v: WOS
77. [1.1] KORYTOV, Andrey. Experimental Methods at the LHC. In JOURNEYS THROUGH THE PRECISION FRONTIER: AMPLITUDES FOR COLLIDERS (TASI 2014), 2016, pp. 99-181., Registrované v: WOS
78. [1.1] KOVALCHUK, V. A. - KORCHIN, A. Yu. HIGGS BOSON DECAY TO LEPTON PAIR AND PHOTON AND POSSIBLE NON-HERMITICITY OF THE YUKAWA INTERACTION. In UKRAINIAN JOURNAL OF PHYSICS. ISSN 2071-0186, 2017, vol. 62, no. 7, pp. 557-564., Registrované v: WOS
79. [1.1] LAWRYNOWICZ, J. - SUZUKI, O. - NIEMCZYNOWICZ, A. - NOWAK-KEPCZYK, M. Fractals and Chaos Related to Ising-Onsager-Zhang Lattices. Quaternary Approach vs. Ternary Approach. In ADVANCES IN APPLIED CLIFFORD ALGEBRAS. ISSN 0188-7009, JUL 2019, vol. 29, no. 3., Registrované v: WOS
80. [1.1] LIAO, Qi-Li - DENG, Ya - YU, Yan - WANG, Guang-Chuan - XIE, Guo-Ya. Heavy P-wave quarkonium production via Higgs decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 036014., Registrované v: WOS
81. [1.1] LIAO, Q.L. - JIANG, J. Excited heavy quarkonium production in Higgs boson decays. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 10 2019, vol. 100, no. 5., Registrované v: WOS
82. [1.1] LIU, Yao-Bei - XIAO, Zhen-Jun. Constraining dark matter in the LRTH model with latest LHC, XENON100 and LUX data. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 5, art. no. 055004., Registrované v: WOS
83. [1.1] LIU, Yao-Bei - XIAO, Zhen-Jun. The production and decay of the top partner T in the left-right twin Higgs model at the ILC and CLIC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 892, pp. 63-82., Registrované v: WOS
84. [1.1] LI, Chong Sheng. Introduction to the Standard Model of Particle Physics. In QCD HIGHER-ORDER EFFECTS AND SEARCH FOR NEW PHYSICS. ISSN 2190-5053, 2016, pp. 1-10., Registrované v: WOS
85. [1.1] MAAS, A. Brout-Englert-Higgs physics: From foundations to phenomenology. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, MAY 2019, vol. 106, p. 132-209., Registrované v: WOS
86. [1.1] MA, K. Enhancing CP measurement of the Yukawa interactions of top-quark at $e(-)e(+)$ collider. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2019, vol. 797., Registrované v: WOS
87. [1.1] MORETTI, S. Variations on a Higgs theme. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 1, art. no. 014012., Registrované v: WOS
88. [1.1] Multiple Higgs and Vector Boson Production. In BEYOND STANDARD MODEL COLLIDER PHENOMENOLOGY OF HIGGS PHYSICS AND SUPERSYMMETRY. ISSN 2190-5053, 2016, pp. 11-25., Registrované v: WOS
89. [1.1] NAKAMURA, Junya. Polarisation of the Z and W bosons in the processes $pp > ZH$ and $pp > (WH)-H-+/-$. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 008., Registrované v: WOS
90. [1.1] NGUYEN ANH KY - NGUYEN THI HONG VAN. Latest results on the Higgs boson discovery and investigation at the ATLAS-LHC. In

- IWTCP-2 AND NCTP-39. ISSN 1742-6588, 2015, vol. 627, art. no. 012011.,
Registrované v: WOS
91. [1.1] OSLAND, P. - PANKOV, A. A. - TSYTRINOV, A. V. The Higgs-like boson spin from the center-edge asymmetry in the diphoton channel at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 199., Registrované v: WOS
92. [1.1] PICH, Antonio. ELECTROWEAK SYMMETRY BREAKING AND THE HIGGS BOSON. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 1, pp. 151-181., Registrované v: WOS
93. [1.1] QIN, Qin - LI, Qiang - LUE, Cai-Dian - YU, Fu-Sheng - ZHOU, Si-Hong. Charged lepton flavor violating Higgs decays at future $e^{(+)}e^{(-)}$ colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 10, art. no. 835., Registrované v: WOS
94. [1.1] QUERTENMONT, Loic. CMS constraints on the Higgs boson width from off-shell production and decay to Z-boson pairs. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 771-774., Registrované v: WOS
95. [1.1] RINDANI, Saurabh D. - SHARMA, Pankaj - SHIVAJI, Ambresh. Unraveling the CP phase of top-Higgs coupling in associated production at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 761, pp. 25-30., Registrované v: WOS
96. [1.1] ROBENS, Tania - STEFANIAK, Tim. Status of the Higgs singlet extension of the standard model after LHC run 1. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 3, art. no. 104., Registrované v: WOS
97. [1.1] RODRIGUEZ-NAVARRO, A. - BRITO, R. Like-for-like bibliometric substitutes for peer review: Advantages and limits of indicators calculated from the $e(p)$ index. In RESEARCH EVALUATION. ISSN 0958-2029, APR 2020, vol. 29, no. 2, p. 215-230., Registrované v: WOS
98. [1.1] SASAKI, Ken - UEMATSU, Tsuneo. CP-odd Higgs boson production in e gamma collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 781, pp. 290-294., Registrované v: WOS
99. [1.1] Search for New Phenomena in Events with Large Jet Multiplicities. In HIGH JET MULTIPLICITY PHYSICS AT THE LHC. ISSN 2190-5053, 2016, pp. 43-101., Registrované v: WOS
100. [1.1] SETO, Osamu. Large invisible decay of a Higgs boson to neutrinos. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 073005., Registrované v: WOS
101. [1.1] SHEN, Jie-Fen - BI, Yan-Ping - YU, Yi - ZHANG, Yan-Ju. Production of singly and doubly charged Higgs bosons from Higgs triplet model at future linear colliders. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 16, art. no. 1550096., Registrované v: WOS
102. [1.1] SHEN, Jie-Fen - LI, Zhen-Xin. Doubly charged Higgs bosons pair production through WW fusion at high-energy $e^{(+)}e^{(-)}$ linear colliders. In EPL. ISSN 0295-5075, 2015, vol. 111, no. 3, art. no. 31001., Registrované v: WOS
103. [1.1] SOGAMI, Ikuo S. Extension of Standard Model in multi-spinor field formalism Visible and dark sectors. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 18, art. no.

1630027., Registrované v: WOS

104. [1.1] STEGGEMANN, Jan. Searches for Higgs bosons decaying to lepton pairs with the CMS detector. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 877-883., Registrované v: WOS

105. [1.1] Theoretical Overview. In HIGH JET MULTIPLICITY PHYSICS AT THE LHC. ISSN 2190-5053, 2016, pp. 1-24., Registrované v: WOS

106. [1.1] TORASSA, Ezio. The Standard Model and Higgs physics. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 69-106., Registrované v: WOS

107. [1.1] TORRENTE-LUJAN, E. The Higgs and top mass coincidence problem. In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, art. no. 05015., Registrované v: WOS

108. [1.1] TORRENTE-LUJAN, E. The Higgs mass coincidence problem. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 2451-2453., Registrované v: WOS

109. [1.1] WEIGLEIN, Georg. Experimental Status. In CONSTRAINING SUPERSYMMETRIC MODELS: USING HIGGS PHYSICS, PRECISION OBSERVABLES AND DIRECT SEARCHES. ISSN 2190-5053, 2016, pp. 41-52., Registrované v: WOS

110. [1.1] YANG, Bingfang - LIU, Zhiyong - HAN, Jinzhong - YANG, Guang. Single Top and Higgs Associated Production in the Minimal B-L Model at the LHC. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 2613187., Registrované v: WOS

111. [1.1] YOUNG, Bing-Lin. A survey of dark matter and related topics in cosmology. In FRONTIERS OF PHYSICS. ISSN 2095-0462, 2017, vol. 12, no. 2, art. no. UNSP 121201., Registrované v: WOS

112. [1.1] YUE, Jason Tsz Shing. Probing CP-violating Top-Yukawa Couplings at the LHC. In HIGGS PROPERTIES AT THE LHC: IMPLICATIONS FOR THE STANDARD MODEL AND FOR COSMOLOGY. ISSN 2190-5053, 2017, pp. 41-73., Registrované v: WOS

113. [1.1] YUE, Jason. Enhanced $h \rightarrow \gamma \gamma$ signal at the LHC with $h \rightarrow \gamma \gamma$ decay and CP-violating top-Higgs coupling. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 744, pp. 131-136., Registrované v: WOS

114. [1.1] YU, Yi - BI, Yan-Ping - SHEN, Jie-Fen. Associated production of the doubly-charged scalar pair with the Higgs boson in the Georgi-Machacek model at the ILC. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 759, pp. 513-519., Registrované v: WOS

115. [1.1] ZENG, Qing-Guo. Production of the doubly charged leptons at the ILC. In EPL. ISSN 0295-5075, 2015, vol. 111, no. 2, art. no. 21003., Registrované v: WOS

ADCA177 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Evidence for $t(t)\text{-over-bar} \gamma$ production and measurement of $\sigma(t(t)\text{-over-bar} \gamma)/\sigma(t(t)\text{-over-bar})$. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2011, vol. 84, no. 3, art. no. R031104. (2010: 4.964 - IF, Q1 - JCR, 2.759 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS,

SCOPUS). ISSN 1550-7998. Dostupné na:
<https://doi.org/10.1103/PhysRevD.84.031104>

Ohlasy:

1. [1.1] AN, Haipeng - WANG, Lian-Tao. Opening Up the Compressed Region of Top Squark Searches at 13 TeV LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 18, art. no. 181602., Registrované v: WOS
2. [1.1] GODBOLE, Rohini M. - MENDIRATTA, Gaurav - RINDANI, Saurabh D. Looking for BSM physics using top-quark polarization and decay-lepton kinematic asymmetries. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 094013., Registrované v: WOS

ADCA178 ACHARYA, S. - ADAMOVÁ, D. - ADLER, A. - ADOLFSSON, J. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Evidence of Spin-Orbital Angular Momentum Interactions in Relativistic Heavy-Ion Collisions. In *Physical Review Letters*, 2020, vol. 125, no. 1, art. no. 012301. (2019: 8.385 - IF, Q1 - JCR, 3.588 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.125.012301>

Ohlasy:

1. [1.1] HUANG, X.G. - MITKIN, P. - SADOBYEV, A.V. - SPERANZA, E. Zilch vortical effect, Berry phase, and kinetic theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 19 2020, no. 10., Registrované v: WOS
2. [1.1] CHEN, K.B. - LIANG, Z.T. - SONG, Y.K. - WEI, S.Y. Spin alignment of vector mesons in high energy pp collisions. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 3 2020, vol. 102, no. 3., Registrované v: WOS
3. [1.1] KAPUSTA, J.I. - RRAPAJ, E. - RUDAZ, S. Spin-vorticity coupling for massive vector mesons. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 28 2020, vol. 102, no. 12., Registrované v: WOS
4. [1.1] SHENG, X.L. - WANG, Q. - WANG, X.N. Improved quark coalescence model for spin alignment and polarization of hadrons. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 11 2020, vol. 102, no. 5., Registrované v: WOS

ADCA179 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Evidence of W gamma gamma Production in pp Collisions at root s=8 TeV and Limits on Anomalous Quartic Gauge Couplings with the ATLAS Detector. In *Physical Review Letters*, 2015, vol. 115, no. 3, art. no. 031802. (2014: 7.512 - IF, Q1 - JCR, 5.232 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.115.031802>

Ohlasy:

1. [1.1] ALMEIDA, E.D. - EBOLI, O.J.P. - GONZALEZ-GARCIA, M.C. Unitarity constraints on anomalous quartic couplings. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 26 2020, vol. 101, no. 11., Registrované v: WOS
2. [1.1] CAMPBELL, John M. - ROJO, Juan - SLADE, Emma -

- WILLIAMS, Ciaran. Direct photon production and PDF fits reloaded. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 470., Registrované v: WOS
3. [1.1] DAS, Goutam - MATHEWS, Prakash. Neutral triple vector boson production in Randall-Sundrum model at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 094034., Registrované v: WOS
4. [1.1] EBOLI, O. J. P. - GONZALEZ-GARCIA, M. C. Classifying the bosonic quartic couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 093013., Registrované v: WOS
5. [1.1] FORTE, S. - LEVY, A. - RIDOLFI, G. From My Vast Repertoire ... Guido Altarelli's Legacy Preface. In FROM MY VAST REPERTOIRE ... : GUIDO ALTARELLI'S LEGACY. 2019, p. V-+., Registrované v: WOS
6. [1.1] SENOL, A. - KOKSAL, M. - INAN, S. C. Probe of the Anomalous Quartic Couplings with Beam Polarization at the CLIC. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, art. no. 6970587., Registrované v: WOS
7. [1.1] VITEV, Ivan. Soft-collinear effective theory for hadronic and nuclear collisions: The evolution of jet quenching from RHIC to the highest LHC energies. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 677-680., Registrované v: WOS

ADCA180 ADAM, J. - ADAMOŤ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VAĽA, Martin. Evolution of the longitudinal and azimuthal structure of the near-side jet peak in Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV. In *Physical Review C*, 2017, vol. 96, no. 3, art. no. 034904. (2016: 3.820 - IF, Q1 - JCR, 1.936 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.96.034904>

Ohlasy:

1. [1.1] ADZHYMAMBETOV, M. D. - SHAPOVAL, V. M. - SINYUKOV, Yu. M. Description of bulk observables in Au plus Au collisions at top RHIC energy in the integrated hydrokinetic model. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 987, pp. 321-336., Registrované v: WOS
2. [1.1] SHAPOVAL, V.M. - ADZHYMAMBETOV, M.D. - SINYUKOV, Y.M. Femtoscopy scales and particle production in the relativistic heavy ion collisions from Au+Au at 200 AGeV to Xe+Xe at 5.44 ATeV within the integrated hydrokinetic model. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, OCT 12 2020, vol. 56, no. 10., Registrované v: WOS
3. [1.1] SZIGETI, Balazs Endre - VARGA-KOFARAGO, Monika. Study of Angular Correlations in Monte Carlo Simulations in Pb-Pb Collisions. In UNIVERSE. ISSN 2218-1997, 2019, vol. 5, no. 5, art. no. 97., Registrované v: WOS

ADCA181 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Exclusion of an Exotic Top Quark with $-4/3$ Electric Charge Using Soft Lepton Tagging. In *Physical Review Letters*, 2010, vol. 105, no. 10, art. no. 101801. (2009: 7.328 - IF, 6.325 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS,

SCOPUS). ISSN 0031-9007. Dostupné na:
<https://doi.org/10.1103/PhysRevLett.105.101801>

Ohlasy:

1. [1.1] CORREIA, F. C. - PLEITEZ, V. Neutral meson mixing induced by box diagrams in the 3-3-1 model with heavy leptons. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 113006., Registrované v: WOS

ADCA182 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Exclusion of exotic top-like quarks with $4/3$ electric charge using jet-charge tagging in single-lepton $t(\bar{t})$ over-bar events at CDF. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2013, vol. 88, no. 3, art. no. 032003. (2012: 4.691 - IF, Q1 - JCR, 2.725 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na:
<https://doi.org/10.1103/PhysRevD.88.032003>

Ohlasy:

1. [1.1] BOOS, E. E. - BRANDT, O. E. - DENISOV, D. S. - DENISOV, S. P. - GRANNIS, P. D. The top quark (20 years after its discovery). In *PHYSICS-USPEKHI*. ISSN 1063-7869, 2015, vol. 58, no. 12, pp. 1133-1158., Registrované v: WOS
2. [1.1] DENISOV, Dmitri - VELLIDIS, Costas. The TOP QUARK, 20 years after its discovery. In *PHYSICS TODAY*. ISSN 0031-9228, 2015, vol. 68, no. 4, pp. 46-52., Registrované v: WOS

ADCA183 ABELEV, Betty - ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Exclusive J/ψ Photoproduction off Protons in Ultraperipheral p-Pb Collisions at $\sqrt{s(NN)}=5.02$ TeV. In *Physical Review Letters*, 2014, vol. 113, no. 23, art. no. 232504. (2013: 7.728 - IF, Q1 - JCR, 5.674 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na:
<https://doi.org/10.1103/PhysRevLett.113.232504>

Ohlasy:

1. [1.1] ARROYO GARCIA, A. - HENTSCHINSKI, M. - KUTAK, K. QCD evolution based evidence for the onset of gluon saturation in exclusive photo-production of vector mesons. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 795, pp. 569-575., Registrované v: WOS
2. [1.1] AYALA, Alejandro - HENTSCHINSKI, Martin - JALILIAN-MARIAN, Jamal - ELENA TEJEDA-YEOMANS, Maria. Spinor helicity methods in high-energy factorization: Efficient momentum-space calculations in the Color Glass Condensate formalism. In *NUCLEAR PHYSICS B*. ISSN 0550-3213, 2017, vol. 920, pp. 232-255., Registrované v: WOS
3. [1.1] BYLINKIN, Alexander. Results (and Future Prospects) of the CMS Experiment in Photon-Induced Interactions in p-Pb Collisions. In *DIFFRACTION 2016: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS*. ISSN 0094-243X, 2017, vol. 1819, art. no. 070002-1., Registrované v: WOS
4. [1.1] BYLINKIN, Alexander. LATEST RESULTS OF DIFFRACTIVE AND EXCLUSIVE MEASUREMENTS WITH CMS. In *ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT*. ISSN 1899-2358,

- 2019, vol. 12, no. 4, pp. 935-940., Registrované v: WOS
5. [1.1] FORTE, Stefano - LEVY, Aharon - RIDOLFI, Giovanni. From My Vast Repertoire ... Guido Altarelli's Legacy Preface. In FROM MY VAST REPERTOIRE ... : GUIDO ALTARELLI'S LEGACY, 2019, pp. V-+., Registrované v: WOS
 6. [1.1] FU, Qiang - CHEN, Xurong. Coherent photoproduction of J/psi and (sic) mesons in pp and PbPb ultraperipheral collisions from dynamical gluon distributions. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 11, art. no. 114105., Registrované v: WOS
 7. [1.1] GAO, Jun - HARLAND-LANG, Lucian - ROJO, Juan. The structure of the proton in the LHC precision era. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2018, vol. 742, pp. 1-121., Registrované v: WOS
 8. [1.1] GIL DA SILVEIRA, G. - GONCALVES, V. P. - JAIME, M. M. Exclusive vector meson photoproduction at the LHC and a future circular collider: A closer look on the final state. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034020., Registrované v: WOS
 9. [1.1] GUZEY, V - KLASSEN, M. Inclusive dijet photoproduction in ultraperipheral heavy ion collisions at the CERN Large Hadron Collider in next-to-leading order QCD. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 6., Registrované v: WOS
 10. [1.1] HATTA, Y. - STRIKMAN, M. - XU, J. - YUAN, F. Sub-threshold J/psi and Upsilon production in gamma A collisions. In PHYSICS LETTERS B. ISSN 0370-2693, APR 10 2020, vol. 803., Registrované v: WOS
 11. [1.1] HENTSCHINSKI, Martin. Forward Physics and the glue at small x. In 31ST ANNUAL MEETING OF THE DIVISION OF PARTICLES AND FIELDS (DPYC) OF THE MEXICAN PHYSICAL SOCIETY. ISSN 1742-6588, 2017, vol. 912, art. no. 012008., Registrované v: WOS
 12. [1.1] HENTSCHINSKI, Martin. The Growth with Energy of Exclusive J/Psi and (sic) Photo-Production Cross-Sections and BFKL Evolution. In DIFFRACTION 2016: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2017, vol. 1819, art. no. 030012-1., Registrované v: WOS
 13. [1.1] CHEN, Guangyao - LI, Yang - TUCHIN, Kirill - VARY, James P. Heavy quarkonia production at energies available at the CERN Large Hadron Collider and future electron-ion colliding facilities using basis light-front quantization wave functions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2., Registrované v: WOS
 14. [1.1] KLEIN, Spencer R. - MANTYSAARI, Heikki. Imaging the nucleus with high-energy photons. In NATURE REVIEWS PHYSICS, 2019, vol. 1, no. 11, pp. 662-674., Registrované v: WOS
 15. [1.1] LAPPI, T. - MANTYSAARI, H. - PENTTALA, J. Relativistic corrections to the vector meson light front wave function. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 22 2020, vol. 102, no. 5., Registrované v: WOS
 16. [1.1] LOMNITZ, Michael - KLEIN, Spencer. Exclusive vector meson production at an electron-ion collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 1., Registrované v: WOS
 17. [1.1] LUSZCZAK, Agnieszka - SCHAEFER, Wolfgang. Coherent photoproduction of J/psi in nucleus-nucleus collisions in the color dipole

- approach. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4.,
Registrované v: WOS
18. [1.1] MANTYSAARI, Heikki - SCHENKE, Bjorn. Probing
subnucleon scale fluctuations in ultraperipheral heavy ion collisions. In
PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 772, pp. 832-838.,
Registrované v: WOS
19. [1.1] MANTYSAARI, Heikki - SCHENKE, Bjorn. Confronting the
impact parameter dependent JIMWLK evolution with HERA data. In
PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 034013.,
Registrované v: WOS
20. [1.1] MANTYSAARI, H. Review of proton and nuclear shape
fluctuations at high energy. In REPORTS ON PROGRESS IN PHYSICS. ISSN
0034-4885, AUG 2020, vol. 83, no. 8., Registrované v: WOS
21. [1.1] MANTYSAARI, H. - ZURITA, P. In depth analysis of the
combined HERA data in the dipole models with and without saturation. In
PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 036002.,
Registrované v: WOS
22. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L.
Observables for possible QGP signatures in central pp collisions. In EUROPEAN
PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343.,
Registrované v: WOS
23. [1.1] PARYEV, E. Ya. - KISELEV, Yu. T. Near-Threshold
J/psi-Meson Photoproduction on Nuclei. In PHYSICS OF ATOMIC NUCLEI.
ISSN 1063-7788, 2017, vol. 80, no. 1, pp. 67-76., Registrované v: WOS
24. [1.1] SAMBASIVAM, B. - TOLL, T. - ULLRICH, T. Investigating
saturation effects in ultraperipheral collisions at the LHC with the color dipole
model. In PHYSICS LETTERS B. ISSN 0370-2693, APR 10 2020, vol. 803.,
Registrované v: WOS
25. [1.1] SCHAFER, W. Photon induced processes: from ultraperipheral
to semicentral heavy ion collisions. In EUROPEAN PHYSICAL JOURNAL A.
ISSN 1434-6001, SEP 17 2020, vol. 56, no. 9., Registrované v: WOS
26. [1.1] VAN HULSE, C. CENTRAL EXCLUSIVE PRODUCTION AT
LHCb. In UKRAINIAN JOURNAL OF PHYSICS. ISSN 2071-0186, 2019, vol.
64, no. 7, pp. 595-601., Registrované v: WOS
27. [1.1] WANG PENGFEI - ZHA WANGMEI - TANG ZEBO. Recent
progress of quarkonium measurements in heavy-ion collisions at RHIC energies
from STAR. In SCIENTIA SINICA-PHYSICA MECHANICA &
ASTRONOMICA. ISSN 1674-7275, 2019, vol. 49, no. 10., Registrované v:
WOS
28. [1.1] XIE, Ya-Ping - CHEN, Xurong. Incoherent vector mesons
production in PbPb ultraperipheral collisions at the LHC. In NUCLEAR
PHYSICS A. ISSN 0375-9474, 2017, vol. 959, pp. 56-65., Registrované v: WOS
29. [1.1] XIE, Ya-Ping - CHEN, Xurong. J/psi production in PbPb
ultraperipheral collisions at $\sqrt{s(NN)}=2.76$ TeV. In NUCLEAR PHYSICS A.
ISSN 0375-9474, 2017, vol. 957, pp. 477-490., Registrované v: WOS
30. [1.1] XIE, Ya-Ping - CHEN, Xurong. Photoproduction of vector
mesons in proton-proton ultraperipheral collisions at the CERN Large Hadron
Collider. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN
0217-751X, 2018, vol. 33, no. 14-15, art. no. 1850086., Registrované v: WOS
31. [1.1] XIE, Ya-Ping - CHEN, Xurong. Exclusive photoproduction of

vector mesons in proton-lead ultraperipheral collisions at the LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 970, pp. 316-324., Registrované v: WOS

32. [1.1] YU, Gong-Ming - YU, Yue-Chao - LI, Yun-De - WANG, Jian-Song. Charmonium production in ultra-peripheral heavy ion collisions with two- photon processes. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 917, pp. 234-240., Registrované v: WOS

33. [1.1] ZHAO, J.X. - ZHOU, K. - CHEN, S.L. - ZHUANG, P.F. Heavy flavors under extreme conditions in high energy nuclear collisions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, SEP 2020, vol. 114., Registrované v: WOS

ADCA184 ACHARYA, S. - ADAMOVÁ, D. - ADHYA, S.P. - ADLER, A. - ADOLFSSON, J. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Exploration of jet substructure using iterative declustering in pp and Pb-Pb collisions at LHC energies. In *Physics Letters B : Nuclear, Elementary Particle and High-Energy Physics*, 2020, vol. 802, art. no. 135227. (2019: 4.384 - IF, Q1 - JCR, 1.795 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2020.135227>

Ohlasy:

1. [1.1] MEHTAR-TANI, Y. - SOTO-ONTOSO, A. - TYWONIUK, K. Tagging boosted hadronic objects with dynamical grooming. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 7 2020, vol. 102, no. 11., Registrované v: WOS

ADCA185 AAMODT, K. - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - ŠÁNDOR, Ladislav - VALA, Martin. Femtoscopy of pp collisions at $\sqrt{s}=0.9$ and 7 TeV at the LHC with two-pion Bose-Einstein correlations. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2011, vol. 84, no. 11, art. no. 112004. (2010: 4.964 - IF, Q1 - JCR, 2.759 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.84.112004>

Ohlasy:

1. [1.1] ADZHYMAMBETOV, M.D. - SINYUKOV, Y.M. Inclusive spectra and Bose-Einstein correlations in small thermal quantum systems. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 24 2020, vol. 102, no. 3., Registrované v: WOS

2. [1.1] AKKELIN, S. V. - SINYUKOV, Yu. M. Quantum canonical ensemble and correlation femtoscopy at fixed multiplicities. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 1, art. no. 014908., Registrované v: WOS

3. [1.1] AKKELIN, S.V. Quasi equilibrium state of expanding quantum fields and two-pion Bose-Einstein correlations in pp collisions at the LHC. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, MAY 23 2019, vol. 55, no. 5., Registrované v: WOS

4. [1.1] BAZAK, S. - MROWCZYNSKI, S. Production of Li-4 and p-He-3 correlation function in relativistic heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, JUL 28 2020, vol. 56, no. 7., Registrované v: WOS

5. [1.1] BIALAS, Andrzej - FLORKOWSKI, Wojciech - ZALEWSKI, Kacper. Blast-wave model description of the Hanbury-Brown-Twiss radii in pp collisions at LHC energies. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 4, art. no. 045001., Registrované v: WOS
6. [1.1] CSANAD, Mate - CSORGÓ, Tamas - JIANG, Ze-Fang - YANG, Chun-Bin. Initial Energy Density of root s = 7 and 8 TeV p-p Collisions at the LHC. In UNIVERSE. ISSN 2218-1997, 2017, vol. 3, no. 1, art. no. 9., Registrované v: WOS
7. [1.1] FLORKOWSKI, Wojciech. BLAST-WAVE MODEL DESCRIPTION OF THE HBT RADII MEASURED IN pp COLLISIONS AT THE LHC ENERGIES. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 10, pp. 2241-2244., Registrované v: WOS
8. [1.1] GANGADHARAN, Dhevan. Techniques for multiboson interferometry. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 1, art. no. 014902., Registrované v: WOS
9. [1.1] HABICH, M. - NAGLE, J. L. - ROMATSCHKE, P. Particle spectra and HBT radii for simulated central nuclear collisions of C plus C, Al plus Al, Cu plus Cu, Au plus Au, and Pb plus Pb from root s=62.4-2760 GeV. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 1, art. no. 15., Registrované v: WOS
10. [1.1] HE, Qing-Hua. An energy sum constraint of event mixing for Bose-Einstein correlations in reactions with pi pi X final states around 1 GeV. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 7, art. no. 074004., Registrované v: WOS
11. [1.1] HE, Q. H. Study of event mixing for Bose Einstein correlations in reactions with pi pi X final states around 1 GeV. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2017, vol. 32, no. 23, art. no. 1750118., Registrované v: WOS
12. [1.1] HE, Q. - AI, J. - ISHIKAWA, T. - LI, T. - MA, L. - MA, J. - MIYABE, M. - MURAMATSU, N. - SHIMIZU, H. - TSUCHIKAWA, Y. - XIANG, Y. - YAMAZAKI, H. - ZHANG, Y. A study of event mixing for two-pion Bose-Einstein correlations in the gamma p> pi(0)pi(0)p reaction. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2017, no. 3, art. no. 033D02., Registrované v: WOS
13. [1.1] HE, Q. - HE, X. - LI, T. MEASURING INTENSITY INTERFERENCE IN A LOW MULTIPLICITY SYSTEM pi pi X WITH A NEW OBSERVING METHOD. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2020, vol. 51, no. 2, p. 463-471., Registrované v: WOS
14. [1.1] KHOZE, V. A. - MARTIN, A. D. - RYSKIN, M. G. - SCHEGELSKY, V. A. Two scales in Bose-Einstein correlations. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, art. no. 193., Registrované v: WOS
15. [1.1] MALECKI, B. TWO-PARTICLE CORRELATIONS AT THE LHCb. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, p. 223-228., Registrované v: WOS
16. [1.1] MIHAYLOV, D. L. - SARTI, V. Mantovani - ARNOLD, O. W. - FABBIIETTI, L. - HOHLWEGGER, B. - MATHIS, A. M. A femtoscopic correlation analysis tool using the Schrodinger equation (CATS). In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 5, art. no. 394.,

Registrované v: WOS

17. [1.1] OKOROKOV, V. A. Geometry and Space-Time Extent of Pion Emission Region at FCC Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 5972709., Registrované v: WOS

18. [1.1] PARVAN, A. S. Finite size effects in the thermodynamics of a free neutral scalar field. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2018, vol. 496, pp. 410-433., Registrované v: WOS

19. [1.1] PLUMBERG, C. Hanbury-Brown-Twiss interferometry and collectivity in p plus p, p plus Pb, and Pb plus Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 13 2020, vol. 102, no. 5., Registrované v: WOS

20. [1.1] RU, P. - ZHANG, W.N. Long-range azimuthal correlations for partially coherent pion emission in proton-proton collisions. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS

21. [1.1] SHAPOVAL, V.M. - ADZHYMAMBETOV, M.D. - SINYUKOV, Y.M. Femtoscopy scales and particle production in the relativistic heavy ion collisions from Au+Au at 200 AGeV to Xe+Xe at 5.44 ATeV within the integrated hydrokinetic model. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, OCT 12 2020, vol. 56, no. 10., Registrované v: WOS

22. [1.1] SHURYAK, Edward. Strongly coupled quark-gluon plasma in heavy ion collisions. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2017, vol. 89, no. 3, art. no. 035001., Registrované v: WOS

23. [1.1] SINYUKOV, Yu M. - SHAPOVAL, V. M. - NABOKA, V. Yu. On $m(T)$ dependence of femtoscopy scales for meson and baryon pairs. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 946, pp. 227-239., Registrované v: WOS

24. [1.1] SINYUKOV, Y.M. - ADZHYMAMBETOV, M.D. - SHAPOVAL, V.M. Correlation analysis of high-energy heavy-ion collisions within the integrated hydrokinetic model. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 22-23, p. 3551-3557., Registrované v: WOS

25. [1.1] SINYUKOV, Y.M. - ADZHYMAMBETOV, M.D. - SHAPOVAL, V.M. - NABOKA, V.Y. Femtoscopic Structure of Relativistic Heavy Ion Collisions in the Integrated HydroKinetic Model. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, MAY 2020, vol. 51, no. 3, p. 258-262., Registrované v: WOS

26. [1.1] WAQAS, M. - LIU, F.H. - LI, L.L. - ALFANDA, H.M. Effective (kinetic freeze-out) temperature, transverse flow velocity, and kinetic freeze-out volume in high energy collisions. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, NOV 7 2020, vol. 31, no. 11., Registrované v: WOS

ADCA186 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Femtoscopy with identified charged pions in proton-lead collisions at $\sqrt{s(NN)}=5.02$ TeV with ATLAS. In *Physical Review C*, 2017, vol. 96, no. 6, art. no. 064908. (2016: 3.820 - IF, Q1 - JCR, 1.936 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.96.064908>

Ohlasy:

1. [1.1] BOZEK, P. - BYSIAK, S. INTERFEROMETRY IN CENTRAL p plus Pb COLLISIONS. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, p. 181-186., Registrované v: WOS
2. [1.1] PADULA, S.S. FEMTOSCOPIC BOSE-EINSTEIN CORRELATIONS OF CHARGED HADRONS IN pp COLLISIONS AT 13 TeV IN CMS. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, p. 187-192., Registrované v: WOS
3. [1.1] SUN, K.J. - KO, C.M. - DONIGUS, B. Suppression of light nuclei production in collisions of small systems at the Large Hadron Collider. In PHYSICS LETTERS B. ISSN 0370-2693, MAY 10 2019, vol. 792, p. 132-137., Registrované v: WOS

ADCA187 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Fiducial and differential cross sections of Higgs boson production measured in the four-lepton decay channel in pp collisions at root s=8 TeV with the ATLAS detector. In *Physics Letters B*, 2014, vol. 738, p. 234-253. (2013: 6.019 - IF, Q1 - JCR, 3.707 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2014.09.054>

Ohlasy:

1. [1.1] ABDULOV, N. A. - LIPATOV, A. - MALYSHEV, M. A. Inclusive Higgs boson production at the LHC in the k(T)-factorization approach. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 054017., Registrované v: WOS
2. [1.1] ARBEY, Alexandre - FICHET, Sylvain - MAHMOUDI, Farvah - MOREAU, Gregory. The correlation matrix of Higgs rates at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 11, art. no. 097., Registrované v: WOS
3. [1.1] BISHARA, Fady - HAISCH, Ulrich - MONNI, Pier Francesco - RE, Emanuele. Constraining Light-Quark Yukawa Couplings from Higgs Distributions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 118, no. 12, art. no. 121801., Registrované v: WOS
4. [1.1] BOGGIA, M. - CRUZ-MARTINEZ, J. M. - FRELLESVIG, H. - GLOVER, N. - GOMEZ-AMBROSIO, R. - GONELLA, G. - HADDAD, Y. - ILNICKA, A. - JONES, S. - KASSABOV, Z. - KRAUSS, F. - MEGY, T. - MELINI, D. - NAPOLETANO, D. - PASSARINO, G. - PATEL, S. - RODRIGUEZ-VAZQUEZ, M. - WOLF, T. The HiggsTools handbook: a beginners guide to decoding the Higgs sector. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 6, art. no. 065004., Registrované v: WOS
5. [1.1] BONVINI, Marco - MARZANI, Simone - MUSELLI, Claudio - ROTTOLI, Luca. On the Higgs cross section at (NLO)-L-3+(NLL)-L-3 and its uncertainty. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 8, art. no. 105., Registrované v: WOS
6. [1.1] BOSELLI, Stefano - CALAME, Carlo M. Carloni - MONTAGNA, Guido - NICROSINI, Oreste - PICCININI, Fulvio. Higgs boson decay into four leptons at NLOPS electroweak accuracy. In JOURNAL OF

HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 023.,
Registrované v: WOS

7. [1.1] BOSELLI, Stefano - CALAME, Carlo M. Carloni -
MONTAGNA, Guido - NICROSINI, Oreste - PICCININI, Fulvio - SHIVAJI,
Ambresh. Higgs decay into four charged leptons in the presence of dimension-six
operators. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479,
2018, no. 1, art. no. 096., Registrované v: WOS

8. [1.1] COHEN, Jonathan - BAR-SHALOM, Shaouly - EILAM, Gad -
SONI, Amarjit. Light-quarks Yukawa couplings and new physics in exclusive
high-p(T) Higgs boson plus jet and Higgs boson plus b-jet events. In PHYSICAL
REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055014.,
Registrované v: WOS

9. [1.1] COLLABORATION, Cms. Measurement of the transverse
momentum spectrum of the Higgs boson produced in pp collisions at root s=8
TeV using H> WW decays. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN
1029-8479, 2017, no. 3, art. no. 032., Registrované v: WOS

10. [1.1] DAVID, Andre - HEIKKILA, Jaana - PETRUCCIANI,
Giovanni. Searching for degenerate Higgs bosons. In EUROPEAN PHYSICAL
JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 2, art. no. 49., Registrované v:
WOS

11. [1.1] EBERT, Markus A. - TACKMANN, Frank J. Resummation of
transverse momentum distributions in distribution space. In JOURNAL OF
HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 2, art. no. 110.,
Registrované v: WOS

12. [1.1] EBERT, M.A. - MISTLBERGER, B. - VITA, G. Transverse
momentum dependent PDFs at (NLO)-L-3. In JOURNAL OF HIGH ENERGY
PHYSICS. ISSN 1029-8479, SEP 22 2020, no. 9., Registrované v: WOS

13. [1.1] EBERT, M.A. - STEWART, I.W. - ZHAO, Y. Towards
quasi-transverse momentum dependent PDFs computable on the lattice. In
JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 5 2019, no.
9., Registrované v: WOS

14. [1.1] FICHET, Sylvain - MOREAU, Gregory. Anatomy of the Higgs
fits: A first guide to statistical treatments of the theoretical uncertainties. In
NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 905, pp. 391-446.,
Registrované v: WOS

15. [1.1] FREDERIX, R. - FRIXIONE, S. - VRYONIDOUE, E. -
WIESEMANND, M. Heavy-quark mass effects in Higgs plus jets production. In
JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 8, art.
no. 006., Registrované v: WOS

16. [1.1] GAINER, James S. - GONZALEZ-ALONSO, Martn -
GRELJO, Admir - ISAKOVIC, Senad - ISIDORI, Gino - KORYTOV, Andrey -
LYKKEN, Joseph - MARZOCCA, David - MATCHEV, Konstantin T. -
MILENOVIC, Predrag - MITSELMACHER, Guenakh - MRENNNA, Stephen -
PARK, Myeonghun - RINKEVICIUS, Aurelijus - SELIMOVIC, Nudzeim.
Adding pseudo-observables to the four-lepton experimentalist's toolbox. In
JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art.
no. 073., Registrované v: WOS

17. [1.1] GAO, Christina - LUTY, Markus A. - MULHEARN, Michael -
NEILL, Nicolas A. - WANG, Zhangqier. Searching for additional Higgs bosons
via Higgs cascades. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97,

- no. 7, art. no. 075040., Registrované v: WOS
18. [1.1] GOSSMAN, D. Measurement of the Higgs Boson Transverse Momentum and its Sensitivity to New Physics Beyond the Standard Model. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP (HEPPW2015). ISSN 1742-6588, 2015, vol. 645, art. no. UNSP 012010., Registrované v: WOS
19. [1.1] GRAZZINI, Massimiliano - ILNICKA, Agnieszka - SPIRA, Michael - WIESEMANN, Marius. Modeling BSM effects on the Higgs transverse-momentum spectrum in an EFT approach. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 115., Registrované v: WOS
20. [1.1] GRAZZINI, Massimiliano - ILNICKA, Agnieszka - SPIRA, Michael - WIESEMANN, Marius. Effective Field Theory in quest to parametrise Higgs properties: the transverse momentum spectrum case. In FIFTH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES. ISSN 1742-6588, 2017, vol. 873, art. no. UNSP 012050., Registrované v: WOS
21. [1.1] GRAZZINI, Massimiliano - ILNICKA, Agnieszka - SPIRA, Michael. Higgs boson production at large transverse momentum within the SMEFT: analytical results. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 10, art. no. 808., Registrované v: WOS
22. [1.1] HAMILTON, Keith - NASON, Paolo - ZANDERIGHI, Giulia. Finite quark-mass effects in the NNLOPS POWHEG plus MiNLO Higgs generator. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 5, art. no. 140., Registrované v: WOS
23. [1.1] CHECCHIA, Paolo. Implications of a 125 GeV Higgs boson. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 7, art. no. 1530003., Registrované v: WOS
24. [1.1] ISLAM, R. - KUMAR, M. - RAWOOT, V. kT-factorization approach to the Higgs boson production in $Z \rightarrow 4$ channel at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 28 2019, vol. 79, no. 3., Registrované v: WOS
25. [1.1] KACHANOVICH, A. - NIERSTE, U. - NISANDZIC, I. Higgs boson decay into a lepton pair and a photon revisited. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 16 2020, vol. 101, no. 7., Registrované v: WOS
26. [1.1] MARZANI, Simone. Combining Q(T) and small-x resummations. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 054047., Registrované v: WOS
27. [1.1] NEUMANN, Tobias - WILLIAMS, Ciaran. Higgs bosons at high p(T). In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 014004., Registrované v: WOS
28. [1.1] NEUMANN, Tobias. NLO Higgs+jet production at large transverse momenta including top quark mass effects. In JOURNAL OF PHYSICS COMMUNICATIONS. ISSN 2399-6528, 2018, vol. 2, no. 9, art. no. 095017., Registrované v: WOS
29. [1.1] SUN, Peng - ISAACSON, Joshua - YUAN, C.P. - YUAN, Feng. Resummation of high order corrections in Higgs boson plus jet production at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 769, pp. 57-61., Registrované v: WOS
30. [1.1] SUN, Peng - YUAN, C.P. - YUAN, Feng. Kinematical Correlations for Higgs Boson Plus High P-T Jet Production at Hadron Colliders.

In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 20, art. no. 202001., Registrované v: WOS

31. [1.1] VON BUDDENBROCK, Stefan. Hypothesising Dark Matter Models in pp Collisions. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP (HEPPW2015). ISSN 1742-6588, 2015, vol. 645, art. no. UNSP 012017., Registrované v: WOS

32. [1.1] VON BUDDENBROCK, Stefan. Exploring LHC Run 1 and 2 data using the Madala hypothesis. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC. ISSN 1742-6588, 2017, vol. 878, art. no. UNSP 012030., Registrované v: WOS

33. [1.1] VON BUDDENBROCK, Stefan - CORNELL, Alan S. - KUMAR, Mukesh - MELLADO, Bruce. The Madala hypothesis with Run 1 and 2 data at the LHC. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP 2017. ISSN 1742-6588, 2017, vol. 889, art. no. UNSP 012020., Registrované v: WOS

34. [1.1] WUETHRICH, Adrian. The Higgs discovery as a diagnostic causal inference. In SYNTHESIS. ISSN 0039-7857, 2017, vol. 194, no. 2, pp. 461-476., Registrované v: WOS

ADCA188 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Fiducial, total and differential cross-section measurements of t-channel single top-quark production in pp collisions at 8TeV using data collected by the ATLAS detector. In *European Physical Journal C*, 2017, vol. 77, no. 8, art. no. 531. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-017-5061-9>

Ohlasy:

1. [1.1] ABDULOV, N. A. - JUNG, H. - LIPATOV, A. - LYKASOV, G. - MALYSHEV, M. A. Employing RHIC and LHC data to determine the transverse momentum dependent gluon density in a proton. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 054010., Registrované v: WOS

2. [1.1] ABDULOV, N. - LIPATOV, A. - LYKASOV, G. - MALYSHEV, M. Determination of the TMD gluon density in a proton using recent LHC data. In XXIV INTERNATIONAL BALDIN SEMINAR ON HIGH ENERGY PHYSICS PROBLEMS: RELATIVISTIC NUCLEAR PHYSICS AND QUANTUM CHROMODYNAMICS (BALDIN ISHEPP XXIV). ISSN 2100-014X, 2019, vol. 204., Registrované v: WOS

3. [1.1] ABLAT, A. - DULAT, S. - RASHIDIN, R. - RUZI, A. - YALKUN, N. The Impact of Single Top Data on CT14nnlo PDFs. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, OCT 2020, vol. 59, no. 10, p. 3023-3031., Registrované v: WOS

4. [1.1] ALVAREZ, Ezequiel - DA ROLD, Leandro - ESTEVEZ, Mariel - KAMENIK, Jernej F. Measuring vertical bar V_{td} vertical bar at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 033002., Registrované v: WOS

5. [1.1] BIELAS, Krzysztof - FLIEGER, Wojciech - GLUZA, Janusz - GLUZA, Marek. Neutrino mixing, interval matrices and singular values. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 053001.,

Registrované v: WOS

6. [1.1] BRIVIO, I. - BRUGGESSER, S. - MALTONI, F. - MOUTAFIS, R. - PLEHN, T. - VRYONIDOU, E. - WESTHOFF, S. - ZHANG, C. O new physics, where art thou? A global search in the top sector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 24 2020, no. 2., Registrované v: WOS

7. [1.1] BRIVIO, I. - TROTT, M. The standard model as an effective field theory. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, FEB 27 2019, vol. 793, p. 1-98., Registrované v: WOS

8. [1.1] CLERBAUX, B. - FANG, W.X. - GIAMMANCO, A. - GOLDOUZIAN, R. Model-independent constraints on the CKM matrix elements vertical bar V-tb vertical bar, vertical bar V-ts vertical bar and vertical bar V-tt vertical bar. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 5 2019, no. 3., Registrované v: WOS

9. [1.1] CZARNECKI, A. - GROOTE, S. - KOERNER, J. G. - PICLUM, J. H. NNLO QCD corrections to the polarized top quark decay $t(\text{up arrow}) \rightarrow X\text{-}b + W^+$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 094008., Registrované v: WOS

10. [1.1] DEGRANDE, Celine - MALTONI, Fabio - MIMASU, Ken - VRYONIDOU, Eleni - ZHANG, Cen. Single-top associated production with a Z or H boson at the LHC: the SMEFT interpretation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 005., Registrované v: WOS

11. [1.1] FISCHER, M. - GROOTE, S. - KOERNER, J. G. T-odd correlations in polarized top quark decays in the sequential decay $t(\text{up arrow}) \rightarrow X\text{-}b + W^+ (\rightarrow l(+) + \nu(l))$ and in the quasi-three-body decay $t(\text{up arrow}) \rightarrow X\text{-}b + l(+) + \nu(l)$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 093001., Registrované v: WOS

12. [1.1] FREDERIX, R. - PAGANI, D. - TSINIKOS, I. Precise predictions for single-top production: the impact of EW corrections and QCD shower on the t-channel signature. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 17 2019, no. 9., Registrované v: WOS

13. [1.1] KIDONAKIS, Nikolaos. Total and Differential Cross Sections for Higgs and Top-Quark Production. In UNIVERSE. ISSN 2218-1997, 2018, vol. 4, no. 11, art. no. 121., Registrované v: WOS

14. [1.1] KIDONAKIS, Nikolaos. Soft-gluon corrections in top-quark production. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 25, art. no. 1830021., Registrované v: WOS

15. [1.1] NEUMANN, T. - SULLIVAN, Z. Off-shell single-top-quark production in the Standard Model Effective Field Theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 7 2019, no. 6., Registrované v: WOS

16. [1.1] NOCERA, E.R. - UBIALI, M. - VOISEY, C. Single top production in PDF fits. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 14 2020, no. 5., Registrované v: WOS

ADCA189 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. First flavor-tagged determination of bounds on mixing-induced CP violation in $B\text{-}s(0)\text{-}J/\psi\phi$ decays. In *Physical Review Letters*, 2008, vol. 100, no. 16, art. no. 161802. (2007: 6.944 -

IF, Q1 - JCR, 5.950 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.100.161802>

Ohlasy:

1. [1.1] GERSHON, Timothy - NEEDHAM, Matthew. Heavy flavour physics at the LHC. In *COMPTES RENDUS PHYSIQUE*. ISSN 1631-0705, 2015, vol. 16, no. 4, pp. 435-447., Registrované v: WOS
2. [1.1] HOU, Wei-Shu - KOHDA, Masaya - XU, Fanrong. Correlating $B \rightarrow q(0) \mu^+ \mu^-$ and $K \rightarrow L \pi(0) \nu \bar{\nu}$ decays with four generations. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2015, vol. 751, pp. 458-463., Registrované v: WOS

ADCA190 ACHARYA, S. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. First measurement of jet mass in Pb-Pb and p-Pb collisions at the LHC. In *Physics Letters B*, 2018, vol. 976, p. 249-264. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2017.11.044>

Ohlasy:

1. [1.1] BERTA, P. - MASETTI, L. - MILLER, D. W. - SPOUSTA, M. Pileup and underlying event mitigation with iterative constituent subtraction. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2019, no. 8, art. no. 175., Registrované v: WOS
2. [1.1] BREWER, Jasmine - MILHANO, Jose Guilherme - THALER, Jesse. Sorting Out Quenched Jets. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 122, no. 22, art. no. 222301., Registrované v: WOS
3. [1.1] BREWER, Jasmine - RAJAGOPAL, Krishna - SADOBYEV, Andrey - VAN DER SCHEE, Wilke. Evolution of the mean jet shape and dijet asymmetry distribution of an ensemble of holographic jets in strongly coupled plasma. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2018, no. 2, art. no. 015., Registrované v: WOS
4. [1.1] BUSZA, Wit - RAJAGOPAL, Krishna - VAN DER SCHEE, Wilke. Heavy Ion Collisions: The Big Picture and the Big Questions. In *ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE*, VOL 68. ISSN 0163-8998, 2018, vol. 68, pp. 339-376., Registrované v: WOS
5. [1.1] CASALDERREY-SOLANA, J. - MILHANO, G. - PABLOS, D. - RAJAGOPAL, K. Modification of jet substructure in heavy ion collisions as a probe of the resolution length of quark-gluon plasma. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, JAN 8 2020, no. 1., Registrované v: WOS
6. [1.1] DOMINGUEZ, F. - MILHANO, J.G. - SALGADO, C.A. - TYWONIUK, K. - VILA, V. Mapping collinear in-medium parton splittings. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, JAN 7 2020, vol. 80, no. 1., Registrované v: WOS
7. [1.1] D'ERAMO, Francesco - RAJAGOPAL, Krishna - YIN, Yi. Moliere scattering in quark-gluon plasma: finding point-like scatterers in a liquid. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2019, no. 1, art. no. 172., Registrované v: WOS
8. [1.1] HULCHER, Zachary - PABLOS, Daniel - RAJAGOPAL,

- Krishna. Resolution effects in the hybrid strong/weak coupling model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 010., Registrované v: WOS
9. [1.1] KANG, Zhong-Bo - LEE, Kyle - LIU, Xiaohui - RINGER, Felix. The groomed and ungroomed jet mass distribution for inclusive jet production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 137., Registrované v: WOS
10. [1.1] KANG, Zhong-Bo - LEE, Kyle - LIU, Xiaohui - RINGER, Felix. Soft drop groomed jet angularities at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 793, pp. 41-47., Registrované v: WOS
11. [1.1] KANG, Zhong-Bo - REITEN, Jared - VITEV, Ivan - YOON, Boram. Light and heavy flavor dijet production and dijet mass modification in heavy ion collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 3, art. no. 034006., Registrované v: WOS
12. [1.1] KARPENKO, I. - AICHELIN, J. - GOSSIAUX, P. - ROHRMOSER, M. - WERNER, K. Jet overlap in heavy ion collisions at energies available at the CERN Large Hadron Collider and its consequences for the jet shape. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 9 2020, vol. 101, no. 1., Registrované v: WOS
13. [1.1] LI, Hai Tao - VITEV, Ivan. Inverting the mass hierarchy of jet quenching effects with prompt b-jet substructure. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 793, pp. 259-264., Registrované v: WOS
14. [1.1] PARK, Chanwook - JEON, Sangyong - GALE, Charles. Jet modification with medium recoil in quark-gluon plasma. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 643-646., Registrované v: WOS
15. [1.1] PEREPELITSA, D.V. Connection between soft and hard probes of small collision systems at RHIC and LHC. In XLIX INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2019). ISSN 2100-014X, 2020, vol. 235., Registrované v: WOS
16. [1.1] REITEN, J. The dijet mass distribution in heavy ion collisions. In XLIX INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2019). ISSN 2100-014X, 2020, vol. 235., Registrované v: WOS
17. [1.1] SALAM, Gavin P. Modification of jet structure in nuclear collisions: theory overview (and pp perspective). In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 149-155., Registrované v: WOS
18. [1.1] SICKLES, Anne M. Jets in Nuclear Collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 142-148., Registrované v: WOS

ADCA191 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. First Measurement of the b-Jet Cross Section in Events with a W Boson in p(p)over-bar Collisions at root s=1.96 TeV. In *Physical Review Letters*, 2010, vol. 104, no. 13, art. no. 131801. (2009: 7.328 - IF, 6.325 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.104.131801>

Ohlasy:

1. [1.1] VOUTILAINEN, Mikko. Heavy quark jets at the LHC. In

- ADCA192 AALTONEN, T. - AMERIO, S. - AMIDEI, D. - ANASTASSOV, A. - ANNOVI, Alberto - ANTOŠ, Jaroslav - LYSÁK, Roman. First measurement of the forward-backward asymmetry in bottom-quark pair production at high mass. In *Physical Review D*, 2015, vol. 92, no. 3, art. no. 032006. (2014: 4.643 - IF, Q1 - JCR, 2.414 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.92.032006>
Ohlasy:
1. [1.1] SCHAETZEL, Sebastian. Boosted top quarks and jet structure. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 415., Registrované v: WOS
- ADCA193 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. First measurement of the ratio of branching fractions $B(\Lambda(0)(b) - \Lambda(0)(c) \mu(-) (\nu) \text{over } \bar{\mu})/B(\Lambda(0)(b) - \Lambda(0)(c) \pi(-))$. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2009, vol. 79, no. 3, art. no. 032001. (2008: 5.050 - IF, Q1 - JCR, 2.920 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.79.032001>
Ohlasy:
1. [1.1] GALANTI, Mario - GIAMMANCO, Andrea - GROSSMAN, Yuval - KATS, Yevgeny - STAMOU, Emmanuel - ZUPAN, Jure. Heavy baryons as polarimeters at colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 11, art. no. 067., Registrované v: WOS
- ADCA194 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. First Measurement of the $t(t) \text{ over } \bar{t}$ Differential Cross Section $d\sigma/dM(t(t) \text{ over } \bar{t})$ in $p(p) \text{ over } \bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. In *Physical Review Letters*, 2009, vol. 102, no. 22, art. no. 222003. (2008: 7.180 - IF, Q1 - JCR, 6.194 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.102.222003>
Ohlasy:
1. [1.1] ABELOF, Gabriel - GEHRMANN-DE RIDDER, Aude - MAJER, Imre. Top quark pair production at NNLO in the quark-antiquark channel. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 12, pp. 1-49., Registrované v: WOS
2. [1.1] BUCKLEY, Andy - ENGLERT, Christoph - FERRANDO, James - MILLER, David J. - MOORE, Liam - RUSSELL, Michael - WHITE, Chris D. Global fit of top quark effective theory to data. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 091501., Registrované v: WOS
- ADCA195 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. First measurement of W boson production in association with a single charm quark in $p(p) \text{ over } \bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. In *Physical Review Letters*, 2008, vol. 100, no. 9, art. no. 091803. (2007: 6.944 - IF, Q1 - JCR, 5.950 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.100.091803>

Ohlasy:

1. [1.1] ALEKHIN, S. - BLUEMLEIN, J. - CAMINADA, L. - LIPKA, K. - LOHWASSER, K. - MOCH, S. - PETTI, R. - PLACAKYTE, R.

Determination of strange sea quark distributions from fixed-target and collider data. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 094002., Registrované v: WOS

ADCA196 ACHARYA, S. - ADAMOŤ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. First measurement of $\Xi(0)(c)$ production in pp collisions at $\sqrt{s}=7$ TeV. In *Physics Letters B*, 2018, vol. 781, p. 8-19. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.03.061>

Ohlasy:

1. [1.1] BEDIAGA, I. - GOBEL, C. Direct CP violation in beauty and charm hadron decays. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, SEP 2020, vol. 114., Registrované v: WOS

ADCA197 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. First Observation of $B\text{-}s(0)\text{-}(DsK^{-/+})\text{-}K^{+/-}$ and Measurement of the Ratio of Branching Fractions $B(B\text{-}s(0)\text{-}(DsK^{-/+})\text{-}K^{+/-})/B(B\text{-}s(0)\text{-}D\text{-}s(+)\pi(-))$. In *Physical Review Letters*, 2009, vol. 103, no. 19, art. no. 191802. (2008: 7.180 - IF, Q1 - JCR, 6.194 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.103.191802>

Ohlasy:

1. [1.1] PATRA, P. - SAHA, J. P. Current conservation in charge conjugation parity time reversal symmetry violating gauge-invariant nonlocal Thirring model. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, 2015, vol. 89, no. 1, pp. 87-90., Registrované v: WOS

ADCA198 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. First observation of the decay $B\text{-}s(0)\text{-}Ds\text{-}Ds^{+}$ and measurement of its branching ratio. In *Physical Review Letters*, 2008, vol. 100, no. 2, art. no. 021803. (2007: 6.944 - IF, Q1 - JCR, 5.950 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.100.021803>

Ohlasy:

1. [1.1] JUNG, Martin - SCHACHT, Stefan. Standard model predictions and new physics sensitivity in $B \rightarrow DD$ decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 3, art. no. 034027., Registrované v: WOS

ADCA199 AAMODT, K. - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - PASTIRČÁK, Blahoslav - ŠÁNDOR, Ladislav - VALA, Martin. First proton-proton collisions at the LHC as observed with the ALICE detector: measurement of the charged-particle pseudorapidity density at $\sqrt{s}=900$ GeV. In *European Physical Journal C*, 2010, vol. 65, no. 1-2, p. 111-125. (2009: 2.746 - IF, Q2 - JCR, 1.859 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-009-1227-4>

Ohlasy:

1. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
2. [1.1] EL-BAKRY, Mahmoud Y. - EL-DAHSHAN, El-Sayed A. - EL-BAKRY, Salah Y. Mathematical modelling for pseudorapidity distribution of hadron-hadron collisions. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2015, vol. 130, no. 1, art. no. 17., Registrované v: WOS
3. [1.1] EL-DAHSHAN, El-Sayed A. - EL-BAKRY, Mahmoud Y. Modeling of Transverse Momentum Spectra for Charged Particles in Proton-Proton Collisions Based on Soft Computing Approaches. In JOURNAL OF COMPUTATIONAL AND THEORETICAL TRANSPORT. ISSN 2332-4309, 2017, vol. 46, no. 6-7, pp. 410-426., Registrované v: WOS
4. [1.1] FELIPE DIAZ-CARDENAS, Alfonso - DEL RAYO SANKEY-GARCIA, Maria - DIAZ-FURLONG, Alfonso - ADRIAN DIAZ-FURLONG, Hector - XOXOCOTZI-AGUILAR, Reyna - JAIME VAZQUEZ-LOPEZ, Jose - APAM-GARCIA, Cynthia. Characteristics of the scientific production of Puebla institutions indexed in the Web of Science. In INVESTIGACION BIBLIOTECOLOGICA. ISSN 0187-358X, 2017, pp. 43-77., Registrované v: WOS
5. [1.1] GOTSMAN, Errol. A Model for Soft Interactions based on the CGC/Saturation Approach and the BFKL Pomeron. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 01002., Registrované v: WOS
6. [1.1] GOTSMAN, E. - LEVIN, E. - POTASHNIKOVA, I. A CGC/saturation approach for angular correlations in proton-proton scattering. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 632., Registrované v: WOS
7. [1.1] KHACHATRYAN, V. - PRASZALOWICZ, M. Scaling properties of direct photon yields in heavy ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 24 2020, vol. 80, no. 7., Registrované v: WOS
8. [1.1] LIU, Fu-Hu - WEI, Hua-Rong - LACEY, Roy A. Transverse momentum and pseudorapidity distributions of final-state particles and spatial structure pictures of an interacting system in p-Pb collisions at root sNN=5.02 TeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 4, art. no. 43., Registrované v: WOS
9. [1.1] MCLERRAN, Larry - PRASZALOWICZ, Michal. Geometrical scaling and the dependence of the average transverse momentum on the multiplicity and energy for the ALICE experiment. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 741, pp. 246-251., Registrované v: WOS
10. [1.1] USTUN, G. - BARUT, E. - BEKTAS, E. - OZCAN, V. E. Measuring charged particle multiplicity with early ATLAS public data. In EUROPEAN JOURNAL OF PHYSICS. ISSN 0143-0807, 2017, vol. 38, no. 4, art. no. 045803., Registrované v: WOS
11. [1.1] XU, R. Data structure in the HIJING 2.0 Monte Carlo program. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, JUL 2019, vol. 28, no. 7., Registrované v: WOS

ADCA200 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. First Search for Multijet Resonances in $\sqrt{s}=1.96$ TeV $p(p)$ -over-bar Collisions. In *Physical Review Letters*, 2011, vol. 107, no. 4, art. no. 042001. (2010: 7.622 - IF, Q1 - JCR, 6.450 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.107.042001>

Ohlasy:

1. [1.1] FRANCESCHINI, Roberto. Status of LHC Searches for SUSY without R-Parity. In *ADVANCES IN HIGH ENERGY PHYSICS*. ISSN 1687-7357, 2015, art. no. 581038., Registrované v: WOS
2. [1.1] REDELBACH, Andreas. Searches for Prompt R-Parity-Violating Supersymmetry at the LHC. In *ADVANCES IN HIGH ENERGY PHYSICS*. ISSN 1687-7357, 2015, art. no. 982167., Registrované v: WOS

ADCA201 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Flavor tagged time-dependent angular analysis of the $B\text{-}s(0) \rightarrow J/\psi \phi$ decay and extraction of $\Delta\Gamma(s)$ and the weak phase $\phi(s)$ in ATLAS. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2014, vol. 90, no. 5, art. no. 052007. (2013: 4.864 - IF, Q1 - JCR, 2.482 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Ohlasy:

1. [1.1] GIARDINO, Pier Paolo - ZHANG, Cen. Probing the top-quark width using the charge identification of b jets. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 011901., Registrované v: WOS
2. [1.1] PORTER, Frank C. Experimental status of the CKM matrix. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2016, vol. 91, pp. 101-135., Registrované v: WOS

ADCA202 AABOUD, M. - AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Fluctuations of anisotropic flow in Pb plus Pb collisions at $\sqrt{s(NN)}=5.02$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2020, no. 1, art. no. 051. (2019: 5.875 - IF, Q1 - JCR, 0.948 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP01\(2020\)051](https://doi.org/10.1007/JHEP01(2020)051)

Ohlasy:

1. [1.1] CARZON, P. - RAO, S. - LUZUM, M. - SIEVERT, M. - NORONHA-HOSTLER, J. Possible octupole deformation of Pb-208 and the ultracentral $v(2)$ to $v(3)$ puzzle. In *PHYSICAL REVIEW C*. ISSN 2469-9985, NOV 9 2020, vol. 102, no. 5., Registrované v: WOS
2. [1.1] GARDIM, F.G. - GIACALONE, G. - OLLITRAULT, J.Y. The mean transverse momentum of ultracentral heavy-ion collisions: A new probe of hydrodynamics. In *PHYSICS LETTERS B*. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS
3. [1.1] GIACALONE, G. Constraining the quadrupole deformation of atomic nuclei with relativistic nuclear collisions. In *PHYSICAL REVIEW C*. ISSN 0556-2813, AUG 3 2020, vol. 102, no. 2., Registrované v: WOS
4. [1.1] GIACALONE, G. Turning up and down strong magnetic fields in relativistic nuclear collisions. In *PHYSICS LETTERS B*. ISSN 0370-2693,

DEC 10 2020, vol. 811., Registrované v: WOS

5. [1.1] MORDASINI, C. - BILANDZIC, A. - KARAKOC, D. - TAGHAVI, S.F. Higher order symmetric cumulants. In PHYSICAL REVIEW C. ISSN 0556-2813, AUG 12 2020, vol. 102, no. 2., Registrované v: WOS

6. [1.1] SHAO, H.S. Probing impact-parameter dependent nuclear parton densities from double parton scatterings in heavy-ion collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 26 2020, vol. 101, no. 5., Registrované v: WOS

ADCA203 AKTAS, A. - BRUNCKO, Dušan - FERENCÉI, Jozef - MURÍN, Pavol - TOMASZ, Filip. Forward jet production in deep inelastic scattering at HERA. In *European Physical Journal C*, 2006, vol. 46, no. 1, p. 27-42. (2005: 3.209 - IF, Q2 - JCR, 1.390 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s2005-02471-x>

Ohlasy:

1. [1.1] ROYON, Christophe. Probing the BFKL dynamics at hadronic colliders. In DIFFRACTION 2014: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2015, vol. 1654, art. no. UNSP 070002., Registrované v: WOS

ADCA204 AKTAS, A. - BRUNCKO, Dušan - FERENCÉI, Jozef - MURÍN, Pavol - TOMASZ, Filip. Forward pi(o) production and associated transverse energy flow in deep-inelastic scattering at HERA. In *European Physical Journal C*, 2004, vol. 36, no. 4, p. 441-452. (2003: 3.580 - IF, Current Contents - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s2004-01983-1>

Ohlasy:

1. [1.1] AURENCHE, P. - FONTANNAZ, M. Photon-jet cross sections in deep-inelastic scattering. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 2, art. no. 64., Registrované v: WOS

ADCA205 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Forward-Backward Asymmetry in Top-Quark Production in p(p)over-bar Collisions at root s=1.96 TeV. In *Physical Review Letters*, 2008, vol. 101, no. 20, art. no. 202001. (2007: 6.944 - IF, Q1 - JCR, 5.950 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.101.202001>

Ohlasy:

1. [1.1] CZAKON, Michal - FIEDLER, Paul - MITOV, Alexander. Resolving the Tevatron Top Quark Forward-Backward Asymmetry Puzzle: Fully Differential Next-to-Next-to-Leading-Order Calculation. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 5, art. no. 052001., Registrované v: WOS

2. [1.1] DEL DUCA, Vittorio - LAENEN, Eric. Top physics at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 35, art. no. 1530063., Registrované v: WOS

3. [1.1] GODBOLE, Rohini M. - MENDIRATTA, Gaurav - RINDANI, Saurabh D. Looking for BSM physics using top-quark polarization and decay-lepton kinematic asymmetries. In PHYSICAL REVIEW D. ISSN

- 1550-7998, 2015, vol. 92, no. 9, art. no. 094013., Registrované v: WOS
4. [1.1] GUO XING-DAO - FENG TAI-FU - ZHAO SHU-MIN - KE HONG-WEI - LI XUE-QIAN. Constraining parameter space of the little Higgs model using data from tera-Z factory and ILC. In CHINESE PHYSICS C. ISSN 1674-1137, 2015, vol. 39, no. 2, pp. 26-33., Registrované v: WOS
5. [1.1] JOSHI, Kiran. Studies and Applications of Jet Vetoing in Boosted Topologies. In QCD RADIATION IN TOP-ANTITOP AND Z+JETS FINAL STATES: PRECISION MEASUREMENTS AT ATLAS. ISSN 2190-5053, 2015, pp. 103-128., Registrované v: WOS
6. [1.1] KIM, C. S. - YOON, Yeo Woong - YUAN, Xing-Bo. Exploring top quark FCNC within 2HDM type III in association with flavor physics. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 12, art. no. 038., Registrované v: WOS
7. [1.1] RODRIGO, G. Top quark as a probe of physics beyond the Standard Model. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2015, vol. 38, no. 4, art. no. 146., Registrované v: WOS

ADCA206 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector. In *Journal of High Energy Physics*, 2012, vol. 2012, no. 7, art. no. 019. (2011: 5.831 - IF, 1.902 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP07\(2012\)019](https://doi.org/10.1007/JHEP07(2012)019)

Ohlasy:

1. [1.1] ALTSYBEEV, I. G. - FEOFILOV, G. A. - GILLIES, E. L. Forward-backward correlations with strange particles in PYTHIA. In 15TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2015). ISSN 1742-6588, 2016, vol. 668, art. no. 012034., Registrované v: WOS
2. [1.1] ANDRONOV, E. - KOVALENKO, V. Correlations between multiplicities and transverse momenta in nucleus-nucleus collisions from model with cluster of fused color strings. In 4TH INTERNATIONAL CONFERENCE ON PARTICLE PHYSICS AND ASTROPHYSICS (ICPPA-2018). ISSN 1742-6588, 2019, vol. 1390., Registrované v: WOS
3. [1.1] BRAVINA, L. - BLEIBEL, J. - EMAUS, R. - ZABRODIN, E. Forward-backward multiplicity correlations in proton-proton collisions from several GeV to LHC energies. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 07015., Registrované v: WOS
4. [1.1] CUAUTLE, E. - DOMINGUEZ, E. - MALDONADO, I. Extraction of multiple parton interactions and color reconnection from forward-backward multiplicity correlations. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 26 2019, vol. 79, no. 7., Registrované v: WOS
5. [1.1] GOTSMAN, E. - LEVIN, E. - MAOR, U. - TAPIA, S. CGC/saturation approach for high energy soft interactions: nu(2) in proton-proton collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 074029., Registrované v: WOS

6. [1.1] KHAN, R. - AJAZ, M. - ALI, Y. - YOUNIS, H. - KHAN, G. - WAZIR, Z. - ZAMAN, A. - KHAN, A. Model Predictions of Charged-Particle Azimuthal Distributions and Forward-Backward Correlations in pp Interactions at $\sqrt{s}=900$ GeV. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, OCT 2019, vol. 71, no. 10, p. 1172-1178., Registrované v: WOS
7. [1.1] KOVALENKO, V. Strongly intensive fluctuations and correlations in ultrarelativistic nuclear collisions in the model with string fusion. In XXIV INTERNATIONAL BALDIN SEMINAR ON HIGH ENERGY PHYSICS PROBLEMS: RELATIVISTIC NUCLEAR PHYSICS AND QUANTUM CHROMODYNAMICS (BALDIN ISHEPP XXIV). ISSN 2100-014X, 2019, vol. 204., Registrované v: WOS
8. [1.1] LEVIN, E. - SCHMIDT, I. - SIDDIKOV, M. Multiplicity dependence of quarkonia production in the CGC approach. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 20 2020, vol. 80, no. 6., Registrované v: WOS
9. [1.1] MONDAL, M. - MONDAL, J. - KAR, S. - DEB, A. - GHOSH, P. Forward-backward multiplicity and momentum correlations in pp collisions at LHC energies. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 21 2020, vol. 102, no. 1., Registrované v: WOS

ADCA207 ADAM, J. - ADAMOVIĆ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Forward-backward multiplicity correlations in pp collisions at $\sqrt{s}=0.9, 2.76$ and 7 TeV. In *Journal of High Energy Physics*, 2015, vol. 2015, no. 5, art. no. 097. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP05\(2015\)097](https://doi.org/10.1007/JHEP05(2015)097)

Ohlasy:

1. [1.1] BHOUMIK, Gopa - BHATTACHARYYA, Swarnapratim - DEB, Argha - GHOSH, Dipak. Evidence of forward-backward multiplicity correlation at SPS energy. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2018, vol. 27, no. 4, art. no. 1850029., Registrované v: WOS
2. [1.1] BRAVINA, L. - BLEIBEL, J. - EMAUS, R. - ZABRODIN, E. Forward-backward multiplicity correlations in proton-proton collisions from several GeV to LHC energies. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 07015., Registrované v: WOS
3. [1.1] BRAVINA, L. - BLEIBEL, J. - ZABRODIN, E. E. On the origin of forward-backward multiplicity correlations in pp collisions at ultrarelativistic energies. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 787, pp. 146-152., Registrované v: WOS
4. [1.1] HE, Ronghua - QIAN, Jing - HUO, Lei. Removing the influence of centrality fluctuations in the analysis of forward-backward multiplicity correlations in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 3, art. no. 034902., Registrované v: WOS
5. [1.1] HE, Ronghua - QIAN, Jing - HUO, Lei. Forward-backward multiplicity correlations caused by centrality fluctuations in high-energy

- heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 4, art. no. 044918., Registrované v: WOS
6. [1.1] JIA, Jiangyong - RADHAKRISHNAN, Sooraj - ZHOU, Mingliang. Forward-backward multiplicity fluctuation and longitudinal harmonics in high-energy nuclear collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 4, art. no. 044905., Registrované v: WOS
7. [1.1] OLSZEWSKI, Adam - BRONIOWSKI, Wojciech. Partial correlation analysis method in ultrarelativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 5, art. no. 054903., Registrované v: WOS
8. [1.1] WONG, C.Y. - JIANG, H.P. - YAO, N.X. - WEN, L.W. - WANG, G. - HUANG, H.Z. Clustering properties of produced particles in high-energy pp collisions. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 8 2020, vol. 102, no. 5., Registrované v: WOS
9. [1.1] WONG, Cheuk-Yin. Signature of the fragmentation of a color flux tube. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 074007., Registrované v: WOS

ADCA208 ADAM, J. - ADAMOVIĆ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Forward-central two-particle correlations in p-Pb collisions at root s(NN)=5.02 TeV. In *Physics Letters B*, 2016, vol. 753, p. 126-139. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2015.12.010>

Ohlasy:

1. [1.1] BOER, Daniel - VAN DAAL, Tom - MULDER, Piet J. - PETRESKA, Elena. Directed flow from C-odd gluon correlations at small x. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 140., Registrované v: WOS
2. [1.1] KURKELA, Aleksy - WIEDEMANN, Urs Achim - WU, Bin. Nearly isentropic flow at sizeable η/s . In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 274-279., Registrované v: WOS
3. [1.1] MA, Guo-Liang - BZDAK, Adam. Flow in small systems from parton scatterings. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 745-748., Registrované v: WOS
4. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS
5. [1.1] YOUN, Taewook - YOON, Jin-Hee. Application of the Momentum Kick Model to PbPb Collisions at root s(NN)=2.76 TeV at the LHC. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2017, vol. 71, no. 12, pp. 917-922., Registrované v: WOS

ADCA209 ABELEV, Betty - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Freeze-out radii extracted from three-pion cumulants in pp, p-Pb and Pb-Pb collisions at the LHC. In *Physics Letters B*, 2014, vol. 739, p. 139-151. (2013: 6.019 - IF, Q1 - JCR, 3.707 - SJR, Q1 -

SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2014.10.034>

Ohlasy:

1. [1.1] AYALA, Alejandro - MERCADO, Pedro - VILLAVICENCIO, C. Magnetic catalysis of a finite-size pion condensate. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 1, art. no. 014904., Registrované v: WOS
2. [1.1] BARY, Ghulam - RU, Peng - ZHANG, Wei-Ning. Analyses of multi-pion Hanbury Brown-Twiss correlations for the pion-emitting sources with Bose-Einstein condensation. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 6, art. no. 065102., Registrované v: WOS
3. [1.1] BHATTACHARYYA, Abhijit - RAY, Rajarshi - SUR, Subrata. Fluctuation of strongly interacting matter in the Polyakov-Nambu-Jona-Lasinio model in a finite volume. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 051501., Registrované v: WOS
4. [1.1] BOZEK, Piotr. Small systems hydrodynamics. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 208-215., Registrované v: WOS
5. [1.1] CLARK, Michael. Femtoscopy in root $s(NN)=5.02$ TeV p+Pb collisions with ATLAS. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 365-368., Registrované v: WOS
6. [1.1] CLARK, Michael. Femtoscopy in root $s(NN)=5.02$ TeV p-Pb collisions with ATLAS. In XLVI INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2016). ISSN 2100-014X, 2017, vol. 141, art. no. UNSP 01013., Registrované v: WOS
7. [1.1] DERRADI DE SOUZA, R. - KOIDE, T. - KODAMA, T. Hydrodynamic approaches in relativistic heavy ion reactions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 86, pp. 35-85., Registrované v: WOS
8. [1.1] DUSLING, Kevin - LI, Wei - SCHENKE, Bjoern. Novel collective phenomena in high-energy proton-proton and proton-nucleus collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 1, art. no. 1630002., Registrované v: WOS
9. [1.1] GANGADHARAN, Dhevan. Techniques for multiboson interferometry. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 1, art. no. 014902., Registrované v: WOS
10. [1.1] HIRONO, Yuji - SHURYAK, Edward. Femtoscopic signature of strong radial flow in high-multiplicity pp collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 5, art. no. 054915., Registrované v: WOS
11. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS
12. [1.1] OKOROKOV, V. A. Geometry and Space-Time Extent of Pion Emission Region at FCC Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 5972709., Registrované v: WOS
13. [1.1] OKOROKOV, V. A. Levy Distributions for One-Dimensional Analysis of the Bose-Einstein Correlations. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, art. no. 5465398., Registrované v: WOS

14. [1.1] PAN, Zan - CUI, Zhu-Fang - CHANG, Chao-Hsi - ZONG, Hong-Shi. Finite-volume effects on phase transition in the Polyakov-loop extended Nambu-Jona-Lasinio model with a chiral chemical potential. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 13, art. no. 1750067., Registrované v: WOS
15. [1.1] SEMENOVA, V. K. - KHYZHNIK, E. V. - NIGMATKULOV, G. A. Femtoscopic scales of particle-emitting source in small and large systems. In 4TH INTERNATIONAL CONFERENCE ON PARTICLE PHYSICS AND ASTROPHYSICS (ICPPA-2018). ISSN 1742-6588, 2019, vol. 1390., Registrované v: WOS
16. [1.1] SCHENKE, Bjorn. Collectivity in small systems: Initial correlations or final state flow? In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012011., Registrované v: WOS

ADCA210 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Further search for supersymmetry at root $s=7$ TeV in final states with jets, missing transverse momentum, and isolated leptons with the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2012, vol. 86, no. 9, art. no. 092002. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.86.092002>

Ohlasy:

1. [1.1] AVAKIAN, H. - BRESSAN, A. - CONTALBRIGO, M. Experimental results on TMDs. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 6, art. no. 150., Registrované v: WOS
2. [1.1] BARTL, A. - EBERL, H. - GININA, E. - HIDAKA, K. - MAJEROTTO, W. $h(0) > c(c)$ as a test case for quark flavor violation in the MSSM. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 015007., Registrované v: WOS
3. [1.1] CONTALBRIGO, M. TMDs and Unpolarized SIDIS. In 4TH INTERNATIONAL WORKSHOP ON TRANSVERSE POLARISATION PHENOMENA IN HARD PROCESSES (TRANSVERSITY 2014). ISSN 2100-014X, 2015, vol. 85, art. no. 01006., Registrované v: WOS
4. [1.1] CSAKI, Csaba - MA, Teng - SHU, Jing. Trigonometric Parity for Composite Higgs Models. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 23, art. no. 231801., Registrované v: WOS

ADCA211 ACHARYA, S. - ADAMOVÁ, D. - ADHYA, S.P. - ADLER, A. - ADOLFSSON, J. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Global polarization of Lambda and (Λ) hyperons in Pb-Pb collisions at root $s(NN)=2.76$ and 5.02 TeV. In *Physical Review C*, 2020, vol. 10, no. 4, art. no. 044611. (2019: 2.988 - IF, Q2 - JCR, 1.270 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.101.044611>

Ohlasy:

1. [1.1] DENG, X.G. - HUANG, X.G. - MA, Y.G. - ZHANG, S. Vorticity in low-energy heavy-ion collisions. In PHYSICAL REVIEW C. ISSN

0556-2813, JUN 25 2020, vol. 101, no. 6., Registrované v: WOS
2. [1.1] KAPUSTA, J.I. - RRAPAJ, E. - RUDAZ, S. Spin-vorticity coupling for massive vector mesons. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 28 2020, vol. 102, no. 12., Registrované v: WOS

ADCA212 COJACARU, C. - BRUNCKO, Dušan - CHYTRÁČEK, Richard - KLADIVA, Eduard - STRÍŽENEC, Pavol. Hadronic calibration of the ATLAS liquid argon end-cap calorimeter in the pseudorapidity region $1.6 < \eta < 1.8$ in beam tests. In *Nuclear Instruments and Methods in Physics Research A. Accelerators, Spectrometers, Detectors and Associated Equipment*, 2004, vol. 531, no. 3, p. 481-514. (2003: 1.166 - IF, Current Contents - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 0168-9002. Dostupné na: <https://doi.org/10.1016/j.nima.2005.05.133>

Ohlasy:

1. [1.1] CUKIERMAN, Aviv - NACHMAN, Benjamin. Mathematical properties of numerical inversion for jet calibrations. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2017, vol. 858, pp. 1-11., Registrované v: WOS
2. [1.1] HUONG LAN TRAN - KRUEGER, Katja - SEFKOW, Felix - GREEN, Steven - MARSHALL, John - THOMSON, Mark - SIMON, Frank. Software compensation in particle flow reconstruction. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 10, art. no. 698., Registrované v: WOS
3. [1.1] NACHMAN, Benjamin - NEF, Pascal - SCHWARTZMAN, Ariel - SWIATLOWSKI, Maximilian - WANOTAYAROJ, Chaowaroj. Jets from jets: re-clustering as a tool for large radius jet reconstruction and grooming at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 2, pp. 1-18., Registrované v: WOS
4. [1.1] SEFKOW, Felix - WHITE, Andy - KAWAGOE, Kiyotomo - POESCHL, Roman - REPOND, Jose. Experimental tests of particle flow calorimetry. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2016, vol. 88, no. 1, art. no. 015003., Registrované v: WOS

ADCA213 AAMODT, K. - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - ŠÁNDOR, Ladislav - VALA, Martin. Harmonic decomposition of two particle angular correlations in Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV. In *Physics Letters B*, 2012, vol. 708, no. 3-5, p. 249-264. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2012.01.060>

Ohlasy:

1. [1.1] ABBASI, Navid - ALLAHBAKHSI, Davood - DAVODY, Ali - TAGHAVI, Seyed Farid. Standardized cumulants of flow harmonic fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 024906., Registrované v: WOS
2. [1.1] BARI, Waseem - GANI, Qudsia - THOKER, Shamsul H. - TELI, Muzamil A. FORWARD-BACKWARD MULTIPLICITY CORRELATIONS IN RELATIVISTIC HEAVY-ION COLLISIONS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2015, vol. 46, no. 10, pp.

2039-2050., Registrované v: WOS

3. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS

4. [1.1] BETZ, Barbara. Jet Tomography in Heavy-Ion Collisions-Challenges, Results, and Open Problems. In NEW HORIZONS IN FUNDAMENTAL PHYSICS, 2017, pp. 199-208., Registrované v: WOS

5. [1.1] BUSZA, Wit - RAJAGOPAL, Krishna - VAN DER SCHEE, Wilke. Heavy Ion Collisions: The Big Picture and the Big Questions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 68. ISSN 0163-8998, 2018, vol. 68, pp. 339-376., Registrované v: WOS

6. [1.1] DERRADI DE SOUZA, R. - KOIDE, T. - KODAMA, T. Hydrodynamic approaches in relativistic heavy ion reactions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 86, pp. 35-85., Registrované v: WOS

7. [1.1] ESPOSITO, Angelo - GYULASSY, Miklos. Hadronization scheme dependence of long-range azimuthal harmonics in high energy p plus A reactions. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 433-440., Registrované v: WOS

8. [1.1] FLOERCHINGER, Stefan - MARTINEZ, Mauricio. Fluid dynamic propagation of initial baryon number perturbations on a Bjorken flow background. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 6, art. no. 064906., Registrované v: WOS

9. [1.1] FLORKOWSKI, Wojciech - RYBLEWSKI, Radoslaw - SU, Nan - TYWONIUK, Konrad. Transport coefficients of the Gribov-Zwanziger plasma. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 4, art. no. 044904., Registrované v: WOS

10. [1.1] GARDIM, Fernando G. - GRASSI, Frederique - ISHIDA, Pedro - LUZUM, Matthew - MAGALHAES, Pablo S. - NORONHA-HOSTLER, Jacquelyn. Sensitivity of observables to coarse-graining size in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 6, art. no. 064919., Registrované v: WOS

11. [1.1] JAISWAL, Amaresh - ROY, Victor. Relativistic Hydrodynamics in Heavy-Ion Collisions: General Aspects and Recent Developments. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 9623034., Registrované v: WOS

12. [1.1] JAISWAL, A. - HAQUE, N. Covariant kinetic theory and transport coefficients for Gribov plasma. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS

13. [1.1] KOFARAGO, Monika. Near-side jet peak broadening in Pb-Pb collisions at root S-NN=2.76 TeV. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 342-345., Registrované v: WOS

14. [1.1] LI, Wei. Collective flow from AA, pA to pp collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 59-66., Registrované v: WOS

15. [1.1] MAZELIAUSKAS, Aleksas - TEANEY, Derek. Fluctuations of harmonic and radial flow in heavy ion collisions with principal components. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 2, art. no. 024913.,

Registrované v: WOS

16. [1.1] PANG, Long-Gang - PETERSEN, Hannah - QIN, Guang-You - ROY, Victor - WANG, Xin-Nian. Decorrelation of anisotropic flow along the longitudinal direction. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 4, art. no. 97., Registrované v: WOS
17. [1.1] ROLAND, Gunther. Long-range correlations in high multiplicity pp and pA collisions. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2015, vol. 84, no. 5, pp. 731-746., Registrované v: WOS
18. [1.1] SHEN, Chun - QIU, Zhi - HEINZ, Ulrich. Shape and flow fluctuations in ultracentral Pb plus Pb collisions at the energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 1, art. no. 014901., Registrované v: WOS
19. [1.1] SICKLES, Anne M. d plus Au hadron correlation measurements from PHENIX. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 352, pp. 78-83., Registrované v: WOS
20. [1.1] SONG, Huichao. Hydrodynamic modelling for relativistic heavy-ion collisions at RHIC and LHC. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2015, vol. 84, no. 5, pp. 703-715., Registrované v: WOS
21. [1.1] SONG, Liao. The Ridge and Di-hadron Correlations from the BES at RHIC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 397-400., Registrované v: WOS
22. [1.1] TROSHIN, S. M. - TYURIN, N. E. Anisotropic flow in pp-collisions at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2015, vol. 24, no. 8, art. no. 1550066., Registrované v: WOS
23. [1.1] WEI, D.X. Transverse momentum dependent decorrelation in Pb-Pb collisions at LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, AUG 2020, vol. 29, no. 8., Registrované v: WOS
24. [1.1] WOSIEK, Barbara. Azimuthal anisotropies in Pb plus Pb and p plus Pb collisions with the ATLAS detector. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 352, pp. 117-128., Registrované v: WOS
25. [1.1] XIAO, Kai - YI, Li - LIU, Feng - WANG, Fuqiang. Factorization of event-plane correlations over transverse momentum in relativistic heavy ion collisions in a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024905., Registrované v: WOS
26. [1.1] XU, Hao-jie - LI, Zhuopeng - SONG, Huichao. High-order flow harmonics of identified hadrons in 2.76A TeV Pb plus Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 6, art. no. 064905., Registrované v: WOS
27. [1.1] YANG, Jing - REN, Yan-Yu - ZHANG, Wei-Ning. Pion Transverse Momentum Spectrum, Elliptic Flow, and Interferometry in the Granular Source Model for RHIC and LHC Heavy Ion Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 846154., Registrované v: WOS
28. [1.1] YANG, J. - ZHANG, Y. - ZHANG, W.N. Hydrodynamical response of plane correlation in Pb plus Pb collisions at $\sqrt{s(NN)}=2.76$ TeV. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, OCT 2019, vol. 28, no. 10., Registrované v: WOS

29. [1.1] YAN, Li. A flow paradigm in heavy-ion collisions. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 4, art. no. 042001., Registrované v: WOS

ADCA214 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Peter - PASTIRČÁK, Blahoslav - ŠÁNDOR, Ladislav - VALA, Martin. Heavy flavour decay muon production at forward rapidity in proton-proton collisions at $\sqrt{s}=7$ TeV. In *Physics Letters B*, 2012, vol. 708, no. 3-5, p. 265-275. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2012.01.063>

Ohlasy:

1. [1.1] CACCIARI, Matteo - MANGANO, Michelangelo L. - NASON, Paolo. Gluon PDF constraints from the ratio of forward heavy-quark production at the LHC at $\sqrt{s}=7$ and 13 TeV. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 12, art. no. 610., Registrované v: WOS

2. [1.1] GAO, L.N. - LIU, F.H. Transverse momentum spectra of heavy baryons and mesons in forward rapidity range in small collision system at the LHC. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, SEP 2020, vol. 94, no. 9, p. 1431-1450., Registrované v: WOS

3. [1.1] LI, Li-Li - LIU, Fu-Hu. Energy dependent kinetic freeze-out temperature and transverse flow velocity in high energy collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 10, art. no. 169., Registrované v: WOS

4. [1.1] LI, L.L. - LIU, F.H. Kinetic Freeze-Out Properties from Transverse Momentum Spectra of Pions in High Energy Proton-Proton Collisions. In PHYSICS. JUN 2020, vol. 2, no. 2, p. 277-308., Registrované v: WOS

5. [1.1] WANG, Q. - LIU, F.H. Initial and Final State Temperatures of Antiproton Emission Sources in High Energy Collisions. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, DEC 2019, vol. 58, no. 12, p. 4119-4138., Registrované v: WOS

6. [1.1] WANG, Q. - LIU, F.H. Excitation Function of Initial Temperature of Heavy Flavor Quarkonium Emission Source in High Energy Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, AUG 17 2020, vol. 2020., Registrované v: WOS

7. [1.1] WANG, Q. - YANG, P.P. - LIU, F.H. Comparing a few distributions of transverse momenta in high energy collisions. In RESULTS IN PHYSICS. ISSN 2211-3797, MAR 2019, vol. 12, p. 259-267., Registrované v: WOS

8. [1.1] WAQAS, M. - LIU, F.H. - FAKHRADDIN, S. - RAHIM, M.A. Possible scenarios for single, double, or multiple kinetic freeze-out in high-energy collisions. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, OCT 2019, vol. 93, no. 10, p. 1329-1343., Registrované v: WOS

9. [1.1] WAQAS, M. - LIU, F.H. Initial, effective, and kinetic freeze-out temperatures from transverse momentum spectra in high-energy proton(deuteron)-nucleus and nucleus-nucleus collisions. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, JAN 28 2020, vol. 135, no. 2., Registrované v: WOS

ADCA215 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Higgs boson studies at the Tevatron. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2013, vol. 88, no. 5, art. no. 052014. (2012: 4.691 - IF, Q1 - JCR, 2.725 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.88.052014>

Ohlasy:

1. [1.1] BERGSTROEM, Johannes - RIAD, Stella. Bayesian model comparison of Higgs couplings. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2015, vol. 91, no. 7, art. no. 075008., Registrované v: WOS
2. [1.1] BERNON, Jeremy - DUMONT, Beranger. Lilith: a tool for constraining new physics from Higgs measurements. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 440., Registrované v: WOS
3. [1.1] BHATTACHERJEE, Biplob - CHAKRABORTY, Amit - CHOUDHURY, Arghya. Status of the MSSM Higgs sector using global analysis and direct search bounds, and future prospects at the High Luminosity LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 093007., Registrované v: WOS
4. [1.1] DI CHIARA, Stefano - TUOMINEN, Kimmo. A minimal model for SU(N) vector dark matter. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2015, vol., no. 11, art. no. 188., Registrované v: WOS
5. [1.1] DISSERTORI, G. The pre-LHC Higgs hunt. In *PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES*. ISSN 1364-503X, 2015, vol. 373, no. 2032, art. no. 20140039., Registrované v: WOS
6. [1.1] EFRATI, Aielet - KUFLIK, Eric - NUSSINOV, Shmuel - SOREQ, Yotam - VOLANSKY, Tomer. Constraining the Higgs-dilaton with LHC and dark matter searches. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2015, vol. 91, no. 5, art. no. 055034., Registrované v: WOS
7. [1.1] CHECCHIA, Paolo. Implications of a 125 GeV Higgs boson. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2015, vol. 30, no. 7, art. no. 1530003., Registrované v: WOS
8. [1.1] ILISIE, Victor. New Barr-Zee contributions to $(g-2)(\mu)$ in two-Higgs-doublet models. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2015, no. 4, art. no. 077., Registrované v: WOS

ADCA216 AAMODT, K. - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - PASTIRČÁK, Blahoslav - ŠÁNDOR, Ladislav - VALA, Martin. Higher Harmonic Anisotropic Flow Measurements of Charged Particles in Pb-Pb Collisions at $\sqrt{s(NN)}=2.76$ TeV. In *Physical Review Letters*, 2011, vol. 107, no. 3, art. no. 032301. (2010: 7.622 - IF, Q1 - JCR, 6.450 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.107.032301>

Ohlasy:

1. [1.1] ABBASI, Navid - ALLAHBAKHSI, Davood - DAVODY, Ali - TAGHAVI, Seyed Farid. Standardized cumulants of flow harmonic fluctuations. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 024906., Registrované v: WOS
2. [1.1] AHMAD, Saeed - HOLOPAINEN, Hannu - HUOVINEN, Pasi. Dynamical freeze-out criterion in a hydrodynamical description of Au plus Au

collisions at $\sqrt{s(NN)}=200$ GeV and Pb plus Pb collisions at $\sqrt{s(NN)}=2760$ GeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 5, art. no. 054911., Registrované v: WOS

3. [1.1] ALAM, Jan-E. Electromagnetic probes of strongly interacting matter. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2015, vol. 84, no. 5, pp. 861-880., Registrované v: WOS

4. [1.1] AUVINEN, J. - ESKOLA, K.J. - HUOVINEN, P. - NEMI, H. - PAATELAINEN, R. - PETRECZKY, P. Temperature dependence of η/s of strongly interacting matter: Effects of the equation of state and the parametric form of $(\eta/s)(T)$. In PHYSICAL REVIEW C. ISSN 0556-2813, OCT 21 2020, vol. 102, no. 4., Registrované v: WOS

5. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS

6. [1.1] BERNHARD, Jonah E. - MORELAND, J. Scott - BASS, Steffen A. - LIU, Jia - HEINZ, Ulrich. Applying Bayesian parameter estimation to relativistic heavy-ion collisions: Simultaneous characterization of the initial state and quark-gluon plasma medium. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024907., Registrované v: WOS

7. [1.1] BERNHARD, Jonah E. - MORELAND, J. Scott - BASS, Steffen A. Characterization of the initial state and QGP medium from a combined Bayesian analysis of LHC data at 2.76 and 5.02 TeV. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 293-296., Registrované v: WOS

8. [1.1] BERNHARD, J.E. - MORELAND, J.S. - BASS, S.A. Bayesian estimation of the specific shear and bulk viscosity of quark-gluon plasma. In NATURE PHYSICS. ISSN 1745-2473, NOV 2019, vol. 15, no. 11, p. 1113-+., Registrované v: WOS

9. [1.1] BHALERAO, R.S. - GIACALONE, G. - OLLITRAULT, J.Y. Primordial non-Gaussianity in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, JUL 26 2019, vol. 100, no. 1., Registrované v: WOS

10. [1.1] BHALERAO, R.S. - GIACALONE, G. - OLLITRAULT, J.Y. Kurtosis of elliptic flow fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 30 2019, vol. 99, no. 1., Registrované v: WOS

11. [1.1] BIERLICH, Christian - GUSTAFSON, Gosta - LONNBLAD, Leif - SHAH, Harsh. The Angantyr model for heavy-ion collisions in Pythia8. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 134., Registrované v: WOS

12. [1.1] BLAIZOT, Jean-Paul. High gluon densities in heavy ion collisions. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2017, vol. 80, no. 3, art. no. 032301., Registrované v: WOS

13. [1.1] BLOK, B. - WIEDEMANN, U.A. Collectivity in pp from resummed interference effects?. In PHYSICS LETTERS B. ISSN 0370-2693, AUG 10 2019, vol. 795, p. 259-265., Registrované v: WOS

14. [1.1] BOZEK, Piotr - BRONIOWSKI, Wojciech - RYBCZYNSKI, Maciej. Wounded quarks in A plus A, p plus A, and p plus p collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 1, art. no. 014902., Registrované v: WOS

15. [1.1] BOZEK, Piotr. Effect of bulk viscosity on interferometry correlations in ultrarelativistic heavy-ion collisions. In PHYSICAL REVIEW C.

- ISSN 2469-9985, 2017, vol. 95, no. 5, art. no. 054909., Registrované v: WOS
16. [1.1] BRATKOVSKAYA, E. L. - CASSING, W. - KONCHAKOVSKI, V. P. - TONEEV, V. D. The QGP dynamics in relativistic collisions. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2014). ISSN 1742-6588, 2015, vol. 623, art. no. 012005., Registrované v: WOS
17. [1.1] BUSZA, Wit - RAJAGOPAL, Krishna - VAN DER SCHEE, Wilke. Heavy Ion Collisions: The Big Picture and the Big Questions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 68. ISSN 0163-8998, 2018, vol. 68, pp. 339-376., Registrované v: WOS
18. [1.1] CAO, G.Q. - HE, L.Y. Rotation induced charged pion condensation in a strong magnetic field: A Nambu-Jona-Lasino model study. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 14 2019, vol. 100, no. 9., Registrované v: WOS
19. [1.1] CARZON, P. - RAO, S. - LUZUM, M. - SIEVERT, M. - NORONHA-HOSTLER, J. Possible octupole deformation of Pb-208 and the ultracentral $v(2)$ to $v(3)$ puzzle. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 9 2020, vol. 102, no. 5., Registrované v: WOS
20. [1.1] CASTILHO, Wagner M. - QIAN, Wei-Liang - GARDIM, Fernando G. - HAMA, Yojiro - KODAMA, Takeshi. Hydrodynamic approach to the centrality dependence of di-hadron correlations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 064908., Registrované v: WOS
21. [1.1] CASULA, Ester Anna Rita. Low mass dimuon production in pp, p-Pb and Pb-Pb collisions with the ALICE muon spectrometer. In HOT QUARKS 2014: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS. ISSN 1742-6588, 2015, vol. 612, art. no. 012025., Registrované v: WOS
22. [1.1] CUAUTLE FLORES, Eleazar. Are the collective phenomena a universal feature of the hadronic matter created in p-p, p-A and A-A colliding systems? In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 7, art. no. 1642007., Registrované v: WOS
23. [1.1] DERRADI DE SOUZA, R. - KOIDE, T. - KODAMA, T. Hydrodynamic approaches in relativistic heavy ion reactions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 86, pp. 35-85., Registrované v: WOS
24. [1.1] DUMITRU, Adrian - GIANNINI, Andre V. - LUZUM, Matthew - NARA, Yasushi. Particle multiplicities in the central region of high-energy collisions from $k(T)$ -factorization with running coupling corrections. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 784, pp. 417-422., Registrované v: WOS
25. [1.1] DUSLING, Kevin - LI, Wei - SCHENKE, Bjoern. Novel collective phenomena in high-energy proton-proton and proton-nucleus collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 1, art. no. 1630002., Registrované v: WOS
26. [1.1] ESKOLA, K. J. - NIEMI, H. - PAATELAINEN, R. - TUOMINEN, K. Latest results from the EbyE NLO EKRT model. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 313-316., Registrované v: WOS

27. [1.1] ESKOLA, K. J. - NIEMI, H. - PAATELAINEN, R. - TUOMINEN, K. Predictions for multiplicities and flow harmonics in 5.44 TeV Xe+Xe collisions at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034911., Registrované v: WOS
28. [1.1] ESPOSITO, Angelo - GYULASSY, Miklos. Hadronization scheme dependence of long-range azimuthal harmonics in high energy p plus A reactions. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 433-440., Registrované v: WOS
29. [1.1] FELIPE DIAZ-CARDENAS, Alfonso - DEL RAYO SANKEY-GARCIA, Maria - DIAZ-FURLONG, Alfonso - ADRIAN DIAZ-FURLONG, Hector - XOXOCOTZI-AGUILAR, Reyna - JAIME VAZQUEZ-LOPEZ, Jose - APAM-GARCIA, Cynthia. Characteristics of the scientific production of Puebla institutions indexed in the Web of Science. In INVESTIGACION BIBLIOTECOLOGICA. ISSN 0187-358X, 2017, pp. 43-77., Registrované v: WOS
30. [1.1] FENG, Zhao - HUANG, Guang-Ming - LIU, Feng. Anisotropic flow of Pb plus Pb root S-NN=5.02 TeV from a multi-phase transport model. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 2, art. no. 024001., Registrované v: WOS
31. [1.1] FLOERCHINGER, Stefan - MARTINEZ, Mauricio. Fluid dynamic propagation of initial baryon number perturbations on a Bjorken flow background. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 6, art. no. 064906., Registrované v: WOS
32. [1.1] FLOERCHINGER, S. - GROSSI, E. - LION, J. Fluid dynamics of heavy ion collisions with mode expansion. In PHYSICAL REVIEW C. ISSN 2469-9985, JUL 15 2019, vol. 100, no. 1., Registrované v: WOS
33. [1.1] FLORKOWSKI, Wojciech - RYBLEWSKI, Radoslaw - SU, Nan - TYWONIUK, Konrad. Transport coefficients of the Gribov-Zwanziger plasma. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 4, art. no. 044904., Registrované v: WOS
34. [1.1] GAVIN, Sean - MOSCHELLI, George - ZIN, Christopher. Boltzmann-Langevin approach to pre-equilibrium correlations in nuclear collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 064901., Registrované v: WOS
35. [1.1] GELIS, Francois - SCHENKE, Bjorn. Initial-State Quantum Fluctuations in the Little Bang. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 66. ISSN 0163-8998, 2016, vol. 66, pp. 73-94., Registrované v: WOS
36. [1.1] GHIGLIERI, Jacopo - MOORE, Guy D. - TEANEY, Derek. Second-Order Hydrodynamics in Next-to-Leading-Order QCD. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 5, art. no. 052302., Registrované v: WOS
37. [1.1] GHOSH, Snigdha - SINGH, Sushant K. - CHATTERJEE, Sandeep - ALAM, Jane - SARKAR, Sourav. Initial conditions from the shadowed Glauber model for Pb plus Pb collisions at root s(NN)=2.76 TeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 5, art. no. 054904., Registrované v: WOS
38. [1.1] GHOSH, S. - SAMANTA, S. - GHOSH, S. - MISHRA, H. Viscosity calculations from hadron resonance gas model: Finite size effect. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013,

SEP 2019, vol. 28, no. 9., Registrované v: WOS

39. [1.1] GIACALONE, Giuliano - YAN, Li - NORONHA-HOSTLER, Jacquelyn - OLLITRAULT, Jean-Yves. Symmetric cumulants and event-plane correlations in Pb plus Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 1, art. no. 014906., Registrované v: WOS

40. [1.1] GIACALONE, Giuliano - NORONHA-HOSTLER, Jacquelyn - OLLITRAULT, Jean-Yves. Relative flow fluctuations as a probe of initial state fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 5, art. no. 054910., Registrované v: WOS

41. [1.1] GIACALONE, Giuliano - YAN, Li - NORONHA-HOSTLER, Jacquelyn - OLLITRAULT, Jean-Yves. The fluctuations of quadrangular flow. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012064., Registrované v: WOS

42. [1.1] GIACALONE, Giuliano - YAN, Li - OLLITRAULT, Jean-Yves. Nonlinear coupling of flow harmonics: Hexagonal flow and beyond. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 5, art. no. 054905., Registrované v: WOS

43. [1.1] GIACALONE, Giuliano - NORONHA-HOSTLER, Jacquelyn - LUZUM, Matthew - OLLITRAULT, Jean-Yves. Hydrodynamic predictions for 5.44 TeV Xe+Xe collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034904., Registrované v: WOS

44. [1.1] GIACALONE, G. - MAZELIAUSKAS, A. - SCHLICHTING, S. Hydrodynamic Attractors, Initial State Energy, and Particle Production in Relativistic Nuclear Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, DEC 30 2019, vol. 123, no. 26., Registrované v: WOS

45. [1.1] GIANNINI, A.V. - GRASSI, F. - LUZUM, M. Bulk quantities in nuclear collisions from running-coupling $k(T)$ factorization and hybrid simulations. In PHYSICAL REVIEW C. ISSN 2469-9985, JUL 31 2019, vol. 100, no. 1., Registrované v: WOS

46. [1.1] GRONQVIST, Hanna - BLAIZOT, Jean-Paul - OLLITRAULT, Jean-Yves. Non-Gaussian eccentricity fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 3, art. no. 034905., Registrované v: WOS

47. [1.1] HEINZ, Ulrich. Quark-gluon soup The perfectly liquid phase of QCD. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 2, art. no. 1530011., Registrované v: WOS

48. [1.1] HIRANO, T. - KURITA, R. - MURASE, K. Hydrodynamic fluctuations of entropy in one-dimensionally expanding system. In NUCLEAR PHYSICS A. ISSN 0375-9474, APR 2019, vol. 984, p. 44-67., Registrované v: WOS

49. [1.1] HOELCK, J. - WOLSCHIN, G. Electromagnetic field effects on Gamma-meson dissociation in PbPb collisions at LHC energies. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 12, art. no. 241., Registrované v: WOS

50. [1.1] HU, Ying - ZHANG, Wei-Ning - REN, Yan-Yu. Fluctuations of pion elliptic flow, triangular flow, and HBT correlation functions in ultrarelativistic heavy ion collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 4, art. no. 045105., Registrované v: WOS

51. [1.1] CHALOUPKA, Petr. Highlights from the heavy-ion program in

STAR. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 06001., Registrované v: WOS

52. [1.1] CHANDRA, Vinod - SREEKANTH, V. Impact of momentum anisotropy and turbulent chromo-fields on thermal particle production in quark-gluon-plasma medium. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 6, art. no. 427., Registrované v: WOS

53. [1.1] CHEN, Ya-Hui - LIU, Fu-Hu. Event patterns extracted from anisotropic spectra of charged particles produced in Pb-Pb collisions at 2.76 TeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 11, art. no. 230., Registrované v: WOS

54. [1.1] JACKSON, G. - PESHIER, A. Re-running the QCD shear viscosity. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 9, art. no. 095001., Registrované v: WOS

55. [1.1] JAISWAL, Amaresh - ROY, Victor. Relativistic Hydrodynamics in Heavy-Ion Collisions: General Aspects and Recent Developments. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 9623034., Registrované v: WOS

56. [1.1] JAISWAL, A. - HAQUE, N. Covariant kinetic theory and transport coefficients for Gribov plasma. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS

57. [1.1] JAMAL, M.Y. - MITRA, S. - CHANDRA, V. Optical properties of an anisotropic hot QCD medium. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, MAR 2020, vol. 47, no. 3., Registrované v: WOS

58. [1.1] JIANG ZHI-JIN - ZHANG HAI-LI - MA KE - WANG JIE. A description of pseudorapidity distributions in p-p collisions at center-of-mass energy from 23.6 to 900 GeV. In CHINESE PHYSICS C. ISSN 1674-1137, 2015, vol. 39, no. 4, art. no. 044102., Registrované v: WOS

59. [1.1] JIANG, Zhijin - HUANG, Yan - ZHANG, Haili - ZHANG, Yu. Hydrodynamic description of pseudorapidity distributions of charged particles in p-p collisions at center-of-mass energies from 23.6 GeV to 7 TeV. In CHINESE JOURNAL OF PHYSICS. ISSN 0577-9073, 2016, vol. 54, no. 3, pp. 371-378., Registrované v: WOS

60. [1.1] JIANG, Zhi-Jin - HUANG, Yan - WANG, Jie. A combined model for pseudorapidity distributions in p-p collisions at center-of-mass energies from 23.6 to 7000 GeV. In CHINESE PHYSICS C. ISSN 1674-1137, 2016, vol. 40, no. 7, art. no. 074104., Registrované v: WOS

61. [1.1] JIANG, Zhi-Jin - HUANG, Yan - ZHANG, Hai-Li - ZHANG, Yu. The hydrodynamic description of pseudorapidity distributions at lower energies at BNL-RHIC. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2017, vol. 88, no. 4, art. no. 63., Registrované v: WOS

62. [1.1] JIANG, Z. J. - DENG, H. P. - HUANG, Y. A Universal Description of Pseudorapidity Distributions in Both Nucleus-Nucleus and p-p Collisions at Currently Available Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 5308084., Registrované v: WOS

63. [1.1] JIANG, Z. J. - WANG, J. - HUANG, Y. A combined model for pseudo-rapidity distributions in Cu-Cu collisions at BNL-RHIC energies. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR

PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 4, art. no. 1650025., Registrované v: WOS

64. [1.1] JIANG, Z. J. - ZHANG, Y. - ZHANG, H. L. - DENG, H. P. A description of the pseudorapidity distributions in heavy ion collisions at RHIC and LHC energies. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 941, pp. 188-200., Registrované v: WOS

65. [1.1] JIA, Jiangyong - RADHAKRISHNAN, Sooraj - ZHOU, Mingliang. Forward-backward multiplicity fluctuation and longitudinal harmonics in high-energy nuclear collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 4, art. no. 044905., Registrované v: WOS

66. [1.1] JIA, Jiangyong - ZHOU, Mingliang - TRZUPEK, Adam. Revealing long-range multiparticle collectivity in small collision systems via subevent cumulants. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 3, art. no. 034906., Registrované v: WOS

67. [1.1] KHACHATRYAN, V. PHENIX MEASUREMENTS OF LOW MOMENTUM DIRECT PHOTON RADIATION FROM LARGE AND SMALL SYSTEMS IN (ULTRA) RELATIVISTIC HEAVY-ION COLLISIONS: DIRECT PHOTON SCALING. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, p. 457-463., Registrované v: WOS

68. [1.1] KONCHAKOVSKI, V. P. - CASSING, W. - TONEEV, V. D. Impact of the initial size of spatial fluctuations on the collective flow in Pb-Pb collisions at root S-NN=2.76 TeV. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 5, art. no. 055106., Registrované v: WOS

69. [1.1] KURKELA, Aleksi - WIEDEMANN, Urs Achim - WU, Bin. Nearly isentropic flow at sizeable η/s . In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 274-279., Registrované v: WOS

70. [1.1] KURKELA, A. - MAZELIAUSKAST, A. - PAQUET, J.F. - SCHLICHTING, S. - TEANEY, D. Effective kinetic description of event-by-event pre-equilibrium dynamics in high-energy heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, MAR 27 2019, vol. 99, no. 3., Registrované v: WOS

71. [1.1] KURKELA, A. - TAGHAVI, S.F. - WIEDEMANN, U.A. - WU, B. Hydrodynamization in systems with detailed transverse profiles. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS

72. [1.1] KURKELA, A. - WIEDEMANN, U.A. - WU, B. Flow in AA and pA as an interplay of fluid-like and non-fluid like excitations. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS

73. [1.1] KURKELA, A. - WIEDEMANN, U.A. - WU, B. Opacity dependence of elliptic flow in kinetic theory. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 2019, vol. 79, no. 9., Registrované v: WOS

74. [1.1] LACEY, Roy A. - REYNOLDS, D. - TARANENKO, A. - AJITANAND, N. N. - ALEXANDER, J. M. - LIU, Fu-Hu - GU, Yi - MWAI, A. Acoustic scaling of anisotropic flow in shape-engineered events: implications for extraction of the specific shear viscosity of the quark gluon plasma. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 10, art. no. 10LT01., Registrované v: WOS

75. [1.1] LINNYK, O. - BRATKOVSKAYA, E. L. - GASSING, W. Effective QCD and transport description of dilepton and photon production in heavy-ion collisions and elementary processes. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 87, pp. 50-115., Registrované v: WOS
76. [1.1] LIU, Peifeng - LACEY, Roy A. Acoustic scaling of linear and mode-coupled anisotropic flow; implications for precision extraction of the specific shear viscosity. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 021902., Registrované v: WOS
77. [1.1] LORENZ, Manuel. Overview of recent results from HADES. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 27-34., Registrované v: WOS
78. [1.1] MA, Guo-Liang - LIN, Zi-Wei. Predictions for root $s(NN)=5.02$ TeV Pb + Pb collisions from a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 5, art. no. 054911., Registrované v: WOS
79. [1.1] MCDONALD, Scott - SHEN, Chun - FILLION-GOURDEAU, Francois - JEON, Sangyong - GALE, Charles. Pre-equilibrium Longitudinal Flow in the IP-Glasma Framework for Pb plus Pb Collisions at the LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 461-464., Registrované v: WOS
80. [1.1] MCDONALD, Scott - SHEN, Chun - FILLION-GOURDEAU, Francois - JEON, Sangyong - GALE, Charles. Hydrodynamic predictions for Pb plus Pb collisions at 5.02 TeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 064913., Registrované v: WOS
81. [1.1] MEHRABPOUR, H. Systematic analysis of flow distributions. In PHYSICAL REVIEW C. ISSN 2469-9985, DEC 11 2020, vol. 102, no. 6., Registrované v: WOS
82. [1.1] MEHRABPOUR, H. - TAGHAVI, S.F. Non-Bessel-Gaussianity and flow harmonic fine-splitting. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 29 2019, vol. 79, no. 1., Registrované v: WOS
83. [1.1] MILOV, Alexander. Measurement of long-range particle correlations in small systems with the ATLAS detector. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 470-473., Registrované v: WOS
84. [1.1] MOTORNENKO, A. - VOVCHENKO, V. - GREINER, C. - STOECKER, H. Kinetic freeze-out temperature from yields of short-lived resonances. In PHYSICAL REVIEW C. ISSN 0556-2813, AUG 13 2020, vol. 102, no. 2., Registrované v: WOS
85. [1.1] MUSTAFA, Mustafa. Overview of recent results from the STAR experiment. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 43-50., Registrované v: WOS
86. [1.1] NABOKA, V. Yu. - KARPENKO, Iu. A. - SINYUKOV, Yu. M. Thermalization, evolution, and observables at energies available at the CERN Large Hadron Collider in an integrated hydrokinetic model of A plus A collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 2, art. no. 024902., Registrované v: WOS
87. [1.1] NAHRGANG, Marlene - AICHELIN, Joerg - BASS, Steffen - GOSSIAUX, Pol Bernard - WERNER, Klaus. Elliptic and triangular flow of heavy flavor in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN

0556-2813, 2015, vol. 91, no. 1, art. no. 014904., Registrované v: WOS

88. [1.1] NIEMI, H. - ESKOLA, K. J. - PAATELAINEN, R. - TUOMINEN, K. Pinning down QCD-matter shear viscosity in A plus A collisions via EbyE fluctuations using pQCD plus saturation plus hydrodynamics. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 312-315., Registrované v: WOS

89. [1.1] NIEMI, H. - ESKOLA, K. J. - PAATELAINEN, R. Event-by-event fluctuations in a perturbative QCD plus saturation plus hydrodynamics model: Determining QCD matter shear viscosity in ultrarelativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 2, art. no. 024907., Registrované v: WOS

90. [1.1] NIEMI, H. - ESKOLA, K. J. - PAATELAINEN, R. - TUOMINEN, K. Predictions for 5.023 TeV Pb + Pb collisions at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 1, art. no. 014912., Registrované v: WOS

91. [1.1] NIEMI, H. - ESKOLA, K. J. - PAATELAINEN, R. - TUOMINEN, K. Latest predictions from the EbyE NLO EKRT model. In NUCLEAR PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 443-446., Registrované v: WOS

92. [1.1] NORONHA-HOSTLER, Jacquelyn - LUZUM, Matthew - OLLITRAULT, Jean-Yves. Hydrodynamic predictions for 5.02 TeV Pb-Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 3, art. no. 034912., Registrované v: WOS

93. [1.1] OKAMOTO, Kazuhisa - AKAMATSU, Yukinao - NONAKA, Chiho. A new relativistic hydrodynamics code for high-energy heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 10., Registrované v: WOS

94. [1.1] OKAMOTO, Kazuhisa - NONAKA, Chiho. Temperature dependence of transport coefficients of QCD in high-energy heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 5, art. no. 054906., Registrované v: WOS

95. [1.1] PARI, Sharareh Mehrabi - SHAHRI, Fatemeh Taghavi - JAVIDAN, Kurosh. Viscosity to entropy ratio of QGP in relativistic heavy ion collisions: The second-order viscose hydrodynamics. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 10, art. no. 1650077., Registrované v: WOS

96. [1.1] PARI, Sharareh Mehrabi - JAVIDAN, Kurosh - SHAHRI, Fatemeh Taghavi. Viscosity to entropy ratio of QGP in relativistic heavy ion collision: Hard thermal loop corrections. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 6, art. no. 1650040., Registrované v: WOS

97. [1.1] PLUMARI, Salvatore - GUARDO, Giovanni Luca - GRECO, Vincenzo - OLLITRAULT, Jean-Yves. Viscous corrections to anisotropic flow and transverse momentum spectra from transport theory. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 941, pp. 87-96., Registrované v: WOS

98. [1.1] RADHAKRISHNAN, S. Soft probes of p plus Pb and Pb plus Pb collisions in the ATLAS experiment at the LHC. In HOT QUARKS 2014: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS. ISSN 1742-6588, 2015, vol. 612, art. no. 012060., Registrované v: WOS

99. [1.1] RATTI, Claudia. Lattice QCD and heavy ion collisions: a review of recent progress. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2018, vol. 81, no. 8, art. no. 084301., Registrované v: WOS
100. [1.1] RODE, Sudhir Pandurang - BHADURI, Partha Pratim - JAISWAL, Amaresh - ROY, Ankhi. Kinetic freeze-out conditions in nuclear collisions with 2A-158A GeV beam energy within a non-boost-invariant blast-wave model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 024907., Registrované v: WOS
101. [1.1] RODE, S.P. - BHADURI, P.P. - ROY, A. Anisotropic flow of charged and identified hadrons at FAIR energies and its dependence on the nuclear equation of state. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, NOV 2019, vol. 55, no. 11., Registrované v: WOS
102. [1.1] RODE, S.P. - BHADURI, P.P. - JAISWAL, A. - ROY, A. Hierarchy of kinetic freeze-out parameters in low-energy heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 23 2020, vol. 102, no. 5., Registrované v: WOS
103. [1.1] ROLAND, Gunther. Long-range correlations in high multiplicity pp and pA collisions. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2015, vol. 84, no. 5, pp. 731-746., Registrované v: WOS
104. [1.1] RYU, Sangwook - PAQUET, Jean-Francois - SHEN, Chun - DENICOL, Gabriel - SCHENKE, Bjorn - JEON, Sangyong - GALE, Charles. Effects of bulk viscosity and hadronic rescattering in heavy ion collisions at energies available at the BNL Relativistic Heavy Ion Collider and at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034910., Registrované v: WOS
105. [1.1] RYU, S. - PAQUET, J.F. - SHEN, C. - DENICOL, G. S. - SCHENKE, B. - JEON, S. - GALE, C. Importance of the Bulk Viscosity of QCD in Ultrarelativistic Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 13, art. no. 132301., Registrované v: WOS
106. [1.1] SAKAI, A. - MURASE, K. - HIRANO, T. Rapidity decorrelation of anisotropic flow caused by hydrodynamic fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, DEC 2 2020, vol. 102, no. 6., Registrované v: WOS
107. [1.1] SARASWAT, Kapil - SHUKLA, Prashant - SINGH, Venktesh. Constraining heavy quark energy loss using B and D meson measurements in heavy ion collision at RHIC and LHC energies. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 943, pp. 83-100., Registrované v: WOS
108. [1.1] SARASWAT, Kapil - SHUKLA, Prashant - KUMAR, Vineet - SINGH, Venktesh. Energy loss of heavy quarks and B and D meson spectra in PbPb collisions at LHC energies. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 961, pp. 169-182., Registrované v: WOS
109. [1.1] SARKAR, Soumya - MALI, Provash - MUKHOPADHYAY, Amitabha. Azimuthal anisotropy in particle distribution in a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 2, art. no. 024913., Registrované v: WOS
110. [1.1] SARKAR, Soumya - MALI, Provash - GHOSH, Somnath - MUKHOPADHYAY, Amitabha. Radial Flow in a Multiphase Transport Model at FAIR Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2018, art. no. 7453752., Registrované v: WOS
111. [1.1] SATAPATHY, S. - PAUL, S. - ANAND, A. - KUMAR, R. -

- GHOSH, S. From non-interacting to interacting picture of thermodynamics and transport coefficients for quark gluon plasma. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, FEB 2020, vol. 47, no. 4., Registrované v: WOS
112. [1.1] SEIFERT, E. - CASSING, W. Baryon-antibaryon dynamics in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 4, art. no. 044907., Registrované v: WOS
113. [1.1] SHEN, Chun - QIU, Zhi - HEINZ, Ulrich. Shape and flow fluctuations in ultracentral Pb plus Pb collisions at the energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 1, art. no. 014901., Registrované v: WOS
114. [1.1] SHURYAK, Edward. Strongly coupled quark-gluon plasma in heavy ion collisions. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2017, vol. 89, no. 3, art. no. 035001., Registrované v: WOS
115. [1.1] SCHENKE, Bjoern - SCHLICHTING, Soeren - VENUGOPALAN, Raju. Azimuthal anisotropies in p plus Pb collisions from classical Yang-Mills dynamics. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 76-82., Registrované v: WOS
116. [1.1] SIEVERT, M. - NORONHA-HOSTLER, J. CERN Large Hadron Collider system size scan predictions for PbPb, XeXe, ArAr, and OO with relativistic hydrodynamics. In PHYSICAL REVIEW C. ISSN 2469-9985, AUG 2 2019, vol. 100, no. 2., Registrované v: WOS
117. [1.1] SINGH, M. - SHEN, C. - MCDONALD, S. - JEON, S. - GALE, C. Hydrodynamic Fluctuations in Relativistic Heavy-Ion Collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 319-322., Registrované v: WOS
118. [1.1] SONG, Huichao. Hydrodynamic modelling for relativistic heavy-ion collisions at RHIC and LHC. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2015, vol. 84, no. 5, pp. 703-715., Registrované v: WOS
119. [1.1] SONG, Liao. The Ridge and Di-hadron Correlations from the BES at RHIC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 397-400., Registrované v: WOS
120. [1.1] STEINBERG, Peter. PHOBOS in the LHC era. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 352, pp. 84-95., Registrované v: WOS
121. [1.1] TACHIBANA, Yasuki - HIRANO, Tetsufumi. Interplay between Mach cone and radial expansion and its signal in gamma-jet events. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 5, art. no. 054907., Registrované v: WOS
122. [1.1] TACHIBANA, Yasuki - CHANG, Ning-Bo - QIN, Guang-You. Full jet in quark-gluon plasma with hydrodynamic medium response. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 4, art. no. 044909., Registrované v: WOS
123. [1.1] TRAINOR, Thomas A. Eventwise mean-p(t) fluctuations versus minimum-bias jets (minijets) at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 2, art. no. 024915., Registrované v: WOS
124. [1.1] TRAINOR, Thomas A. Questioning tests of hadron production models based on minimum-bias distributions on transverse energy. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 4, art. no. 044905.,

Registrované v: WOS

125. [1.1] TRAINOR, T.A. A two-component model for identified-hadron p(t) spectra from 5 TeV p-Pb collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, FEB 2020, vol. 47, no. 4., Registrované v: WOS

126. [1.1] TUNING, Niels. A machine of superlatives. In NATURE PHYSICS. ISSN 1745-2473, 2018, vol. 14, no. 12, pp. 1151-1153., Registrované v: WOS

127. [1.1] WEN, D. - CASTILHO, W.M. - LIN, K. - QIAN, W.L. - HAMA, Y. - KODAMA, T. On the peripheral tube description of the two-particle correlations in nuclear collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, MAR 2019, vol. 46, no. 3., Registrované v: WOS

128. [1.1] WOLSCHIN, Georg. Beyond the thermal model in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024911., Registrované v: WOS

129. [1.1] WOLSCHIN, Georg. Ultraviolet energy dependence of particle production sources in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 91, no. 1, art. no. 014905., Registrované v: WOS

130. [1.1] WOLSCHIN, G. Bottomonium spectroscopy in the quark-gluon plasma. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, OCT 20 2020, vol. 35, no. 29., Registrované v: WOS

131. [1.1] WOSIEK, Barbara. Azimuthal anisotropies in Pb plus Pb and p plus Pb collisions with the ATLAS detector. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 352, pp. 117-128., Registrované v: WOS

132. [1.1] WU, Xiang-Yu - PANG, Long-Gang - QIN, Guang-You - WANG, Xin-Nian. Longitudinal fluctuations and decorrelations of anisotropic flows at energies available at the CERN Large Hadron Collider and at the BNL Relativistic Heavy Ion Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 024913., Registrované v: WOS

133. [1.1] YANG, Jing - REN, Yan-Yu - ZHANG, Wei-Ning. Pion Transverse Momentum Spectrum, Elliptic Flow, and Interferometry in the Granular Source Model for RHIC and LHC Heavy Ion Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 846154., Registrované v: WOS

134. [1.1] YANG, J. - ZHANG, Y. - ZHANG, W.N. Hydrodynamical response of plane correlation in Pb plus Pb collisions at $\sqrt{s(NN)}=2.76$ TeV. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, OCT 2019, vol. 28, no. 10., Registrované v: WOS

135. [1.1] YAN, Li - OLLITRAULT, Jean-Yves. $v(4)$, $v(5)$, $v(6)$, $v(7)$: Nonlinear hydrodynamic response versus LHC data. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 744, pp. 82-87., Registrované v: WOS

136. [1.1] ZAKHAROV, B. G. Monte Carlo Glauber wounded nucleon model with meson cloud. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2017, vol. 124, no. 6, pp. 860-876., Registrované v: WOS

137. [1.1] ZAKHAROV, B. G. Multiplicity Density at Mid-Rapidity in AA Collisions: Effect of Meson Cloud. In JETP LETTERS. ISSN 0021-3640, 2016, vol. 104, no. 1, pp. 6-11., Registrované v: WOS

138. [1.1] ZHANG, C. - ZHENG, L. - LIU, F. - SHI, S.S. - LIN, Z.W.

Update of a multiphase transport model with modern parton distribution functions and nuclear shadowing. In PHYSICAL REVIEW C. ISSN 2469-9985, JUN 24 2019, vol. 99, no. 6., Registrované v: WOS

139. [1.1] ZHANG, S. - MA, Y.G. - MA, G.L. - CHEN, J.H. - SHOU, Q.Y. - HE, W.B. - ZHONG, C. Collision system size scan of collective flows in relativistic heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, MAY 10 2020, vol. 804., Registrované v: WOS

140. [1.1] ZHANG, Y. - YANG, J. - WU, W.H. Effect of in-medium mass-shift on transverse-momentum spectrum and elliptic anisotropy of phi meson. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, JUL 2020, vol. 29, no. 7., Registrované v: WOS

141. [1.1] ZHAO, Wenbin - XU, Hao-jie - SONG, Huichao. Collective flow in 2.76 and 5.02 A TeV Pb + Pb collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 645., Registrované v: WOS

ADCA217 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Higher harmonic flow coefficients of identified hadrons in Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV. In *Journal of High Energy Physics*, 2016, vol. 2016, no. 9, art. no. 164. (2015: 6.023 - IF, Q1 - JCR, 1.343 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP09\(2016\)164](https://doi.org/10.1007/JHEP09(2016)164)

Ohlasy:

1. [1.1] BHADURY, S. - KURIAN, M. - CHANDRA, V. - JAISWAL, A. First order dissipative hydrodynamics and viscous corrections to the entropy four-current from an effective covariant kinetic theory. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, AUG 2020, vol. 47, no. 8., Registrované v: WOS
2. [1.1] HILLMANN, Paula - STEINHEIMER, Jan - BLEICHER, Marcus. Directed, elliptic and triangular flow of protons in Au plus Au reactions at 1.23 A GeV: a theoretical analysis of the recent HADES data. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 8, art. no. 085101., Registrované v: WOS
3. [1.1] HILLMANN, P. - STEINHEIMER, J. - REICHERT, T. - GAEBEL, V. - BLEICHER, M. - SOMBUN, S. - HEROLD, C. - LIMPHIRAT, A. First, second, third and fourth flow harmonics of deuterons and protons in Au plus Au reactions at 1.23 AGeV. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, MAY 2020, vol. 47, no. 5., Registrované v: WOS
4. [1.1] KURIAN, Manu - CHANDRA, Vinod. Bulk viscosity of a hot QCD medium in a strong magnetic field within the relaxation-time approximation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 116008., Registrované v: WOS
5. [1.1] MCDONALD, Scott - SHEN, Chun - FILLION-GOURDEAU, Francois - JEON, Sangyong - GALE, Charles. Hydrodynamic predictions for Pb plus Pb collisions at 5.02 TeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 064913., Registrované v: WOS
6. [1.1] MITRA, Sukanya - CHANDRA, Vinod. Covariant kinetic

theory for effective fugacity quasiparticle model and first order transport coefficients for hot QCD matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 034032., Registrované v: WOS

7. [1.1] PANG, Long-Gang - PETERSEN, Hannah - WANG, Xin-Nian. Pseudorapidity distribution and decorrelation of anisotropic flow within the open-computing-language implementation CLVisc hydrodynamics. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 6, art. no. 064918., Registrované v: WOS

8. [1.1] RYU, Sangwook - PAQUET, Jean-Francois - SHEN, Chun - DENICOL, Gabriel - SCHENKE, Bjorn - JEON, Sangyong - GALE, Charles. Effects of bulk viscosity and hadronic rescattering in heavy ion collisions at energies available at the BNL Relativistic Heavy Ion Collider and at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034910., Registrované v: WOS

9. [1.1] ZHAO, Wenbin - ZHU, Lilin - ZHENG, Hua - KO, Che Ming - SONG, Huichao. Spectra and flow of light nuclei in relativistic heavy ion collisions at energies available at the BNL Relativistic Heavy Ion Collider and at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 5, art. no. 054905., Registrované v: WOS

ADCA218 ACHARYA, S. - ADAMOVÁ, D. - ADLER, A. - ADOLFSSON, J. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Higher harmonic non-linear flow modes of charged hadrons in Pb-Pb collisions at $\sqrt{s(NN)}=5.02$ TeV. In *Journal of High Energy Physics*, 2020, no. 5, art. no. 085. (2019: 5.875 - IF, Q1 - JCR, 0.948 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP05\(2020\)085](https://doi.org/10.1007/JHEP05(2020)085)

Ohlasy:

1. [1.1] WONDRAK, M.F. - KAMINSKI, M. - BLEICHER, M. Shear transport far from equilibrium via holography. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS

ADCA219 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. High-E-T isolated-photon plus jets production in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Nuclear Physics B*, 2017, vol. 918, p. 257-316. (2016: 3.678 - IF, Q2 - JCR, 2.211 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 0550-3213. Dostupné na: <https://doi.org/10.1016/j.nuclphysb.2017.03.006>

Ohlasy:

1. [1.1] KANG, Zhong-Bo - VITEV, Ivan - XING, Hongxi. Vector-boson-tagged jet production in heavy ion collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 1, art. no. 014912., Registrované v: WOS

2. [1.1] LIPATOV, A.V. - MALYSHEV, M.A. - JUNG, H. TMD parton shower effects in associated gamma plus jet production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 29 2019, vol. 100, no. 3., Registrované v: WOS

3. [1.1] MA, G.Y. - DAI, W. - ZHANG, B.W. Probing cold nuclear matter effects with the productions of isolated-gamma and gamma plus jet in p

plus Pb collisions at $\sqrt{s(NN)}=8.16$ TeV. In CHINESE PHYSICS C. ISSN 1674-1137, APR 2019, vol. 43, no. 4., Registrované v: WOS

ADCA220 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in 4.7fb^{-1} of $\sqrt{s}=7$ TeV proton-proton collisions. In *Journal of High Energy Physics*, 2012, vol. 2012, no. 7, art. no. 167. (2011: 5.831 - IF, 1.902 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP07\(2012\)167](https://doi.org/10.1007/JHEP07(2012)167)

Ohlasy:

1. [1.1] BARTL, A. - EBERL, H. - GININA, E. - HIDAKA, K. - MAJEROTTO, W. $h(0)^+c(c)^-$ as a test case for quark flavor violation in the MSSM. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 015007., Registrované v: WOS
2. [1.1] DUTTA, Bhaskar - LI, Tianjun - MAXIN, James A. - NANOPOULOS, Dimitri V. - SINHA, Kuver - WALKER, Joel W. Third generation in cascade decays. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 115021., Registrované v: WOS
3. [1.1] GEHRLEIN, J. - IPEK, S. - FOX, P.J. Bio phenomenology at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 13 2019, no. 3., Registrované v: WOS
4. [1.1] MAYES, Van E. - LUTZ, Andrew W. Light Higgsino dark matter in the MSSM on D-branes. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 9, art. no. 095006., Registrované v: WOS
5. [1.1] SAKAKI, Y. Quark jet rates and quark-gluon discrimination in multijet final states. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 18 2019, vol. 99, no. 11., Registrované v: WOS

ADCA221 ACHARYA, S. - ADAMOVÁ, D. - ADHYA, S.P. - ADLER, A. - ADOLFSSON, J. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. $H\text{-}3(\Lambda)$ and $(3)(\Lambda)^+(H)^+$ lifetime measurement in Pb-Pb collisions at $\sqrt{s(NN)}=5.02$ TeV via two-body decay. In *Physics Letters B*, 2019, vol. 797, art. no. 134905. (2018: 4.162 - IF, Q2 - JCR, 1.806 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2019.134905>

Ohlasy:

1. [1.1] HILDENBRAND, F. - HAMMER, H.W. Lifetime of the hypertriton. In PHYSICAL REVIEW C. ISSN 2469-9985, DEC 8 2020, vol. 102, no. 6., Registrované v: WOS
2. [1.1] KOLESNIKOV, V.I. - KEKELIDZE, V.D. - MATVEEV, V.A. - SORIN, A.S. Progress in the construction of the NICA accelerator complex. In PHYSICA SCRIPTA. ISSN 0031-8949, SEP 2020, vol. 95, no. 9., Registrované v: WOS

ADCA222 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Characterisation and mitigation of beam-induced backgrounds observed in the ATLAS detector during

the 2011 proton-proton run. In *Journal of Instrumentation*, 2013, vol. 8, art. no. P07004. (2012: 1.656 - IF, Q2 - JCR, 0.383 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1748-0221. Dostupné na: <https://doi.org/10.1088/1748-0221/8/07/P07004>

Ohlasy:

1. [1.1] FENG, Jonathan L. - GALON, Iftah - KLING, Felix - TROJANOWSKI, Sebastian. Dark Higgs bosons at the ForwArd Search ExpeRiment. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055034., Registrované v: WOS
2. [1.1] CHAKDAR, Shreyashi - GHOSH, K. - HOANG, V. - HUNG, P. Q. - NANDI, S. Search for mirror quarks at the LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 035007., Registrované v: WOS

ADCA223 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Charge correlations using the balance function in Pb-Pb collisions at root s(NN)=2.76 TeV. ALICE Collaboration. In *Physics Letters B*, 2013, vol. 723, no. 4-5, p. 267-279. (2012: 4.569 - IF, Q1 - JCR, 3.353 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2013.05.039>

Ohlasy:

1. [1.1] BIALAS, A. - BZDAK, A. Short-range two-particle correlations from statistical clusters. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 094015., Registrované v: WOS
2. [1.1] DE, A. - PLUMBERG, C. - KAPUSTA, J.I. Calculating fluctuations and self-correlations numerically for causal charge diffusion in relativistic heavy-ion collisions. In *PHYSICAL REVIEW C*. ISSN 0556-2813, AUG 7 2020, vol. 102, no. 2., Registrované v: WOS
3. [1.1] JIA, Jiangyong - RADHAKRISHNAN, Sooraj - ZHOU, Mingliang. Forward-backward multiplicity fluctuation and longitudinal harmonics in high-energy nuclear collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2016, vol. 93, no. 4, art. no. 044905., Registrované v: WOS
4. [1.1] PRATT, Scott - MCCORMACK, William Patrick - RATTI, Claudia. Production of charge in heavy ion collisions. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2015, vol. 92, no. 6, art. no. 064905., Registrované v: WOS
5. [1.1] PRATT, S. - PLUMBERG, C. Evolving charge correlations in a hybrid model with both hydrodynamics and hadronic Boltzmann descriptions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, APR 23 2019, vol. 99, no. 4., Registrované v: WOS
6. [1.1] PRATT, S. - PLUMBERG, C. Determining the diffusivity for light quarks from experiment. In *PHYSICAL REVIEW C*. ISSN 0556-2813, OCT 21 2020, vol. 102, no. 4., Registrované v: WOS
7. [1.1] PRATT, S. - STEINHORST, R. Charge conservation and higher moments of charge fluctuations. In *PHYSICAL REVIEW C*. ISSN 2469-9985, DEC 11 2020, vol. 102, no. 6., Registrované v: WOS
8. [1.1] TANG, A.H. Probe chiral magnetic effect with signed balance function *. In *CHINESE PHYSICS C*. ISSN 1674-1137, MAY 2020, vol. 44, no. 5., Registrované v: WOS
9. [1.1] TAWFIK, A. - SHALABY, Asmaa G. Balance Function in

ADCA224 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - ŠÁNDOR, Ladislav - VALA, Martin. Charge separation relative to the reaction plane in Pb-Pb collisions at root s(NN)=2.76 TeV. In *Physical Review Letters*, 2013, vol. 110, no. 1, art. no. 012301. (2012: 7.943 - IF, Q1 - JCR, 6.292 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.110.012301>

Ohlasy:

1. [1.1] AMMON, Martin - KAMINSKI, Matthias - KOIRALA, Roshan - LEIBER, Julian - WU, Jackson. Quasinormal modes of charged magnetic black branes & chiral magnetic transport. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, art. no. 067., Registrované v: WOS
2. [1.1] ANDRIANOV, Alexander - ANDRIANOV, Vladimir - ESPRIU, Domenec. Chiral imbalance in QCD. In XXIII INTERNATIONAL BALDIN SEMINAR ON HIGH ENERGY PHYSICS PROBLEMS RELATIVISTIC NUCLEAR PHYSICS AND QUANTUM CHROMODYNAMICS (BALDIN ISHEPP XXIII). ISSN 2100-014X, 2017, vol. 138, art. no. UNSP 01007., Registrované v: WOS
3. [1.1] BELMONT, R. - NAGLE, J. L. Implications of p plus Pb measurements on the chiral magnetic effect in heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 2, art. no. 024901., Registrované v: WOS
4. [1.1] BOYDA, D. L. - BRAGUTA, V. V. - KATSNELSON, M. - KOTOV, A. Yu. Lattice quantum Monte Carlo study of chiral magnetic effect in Dirac semimetals. In ANNALS OF PHYSICS. ISSN 0003-4916, 2018, vol. 396, pp. 78-86., Registrované v: WOS
5. [1.1] BOZEK, Piotr. Azimuthal angle dependence of the charge imbalance from charge conservation effects. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034907., Registrované v: WOS
6. [1.1] COPINGER, P. - PU, S. Chirality production with mass effects - Schwinger pair production and the axial Ward identity. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, OCT 10 2020, vol. 35, no. 28., Registrované v: WOS
7. [1.1] DENG, Wei-Tian - HUANG, Xu-Guang. Electric fields and chiral magnetic effect in Cu plus Au collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 742, pp. 296-302., Registrované v: WOS
8. [1.1] DENG, Wei-Tian - HUANG, Xu-Guang - MA, Guo-Liang - WANG, Gang. Testing the chiral magnetic effect with isobaric collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 4, art. no. 041901., Registrované v: WOS
9. [1.1] DENG, Wei-Tian - HUANG, Xu-Guang. Vorticity in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 6, art. no. 064907., Registrované v: WOS
10. [1.1] DENG, Wei-Tian - HUANG, Xu-Guang - MA, Guo-Liang - WANG, Gang. Predictions for isobaric collisions at root s(NN)=200 GeV from a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 4, art. no. 044901., Registrované v: WOS

11. [1.1] DENG, X.G. - MA, Y.G. Magnetic field effects in peripheral heavy ion collisions near 1 GeV/nucleon. In PHYSICAL REVIEW C. ISSN 0556-2813, MAY 28 2020, vol. 101, no. 5., Registrované v: WOS
12. [1.1] DONG, R.D. - FANG, R.H. - HOU, D.F. - SHE, D. Chiral magnetic effect for chiral fermion system*. In CHINESE PHYSICS C. ISSN 1674-1137, JUL 2020, vol. 44, no. 7., Registrované v: WOS
13. [1.1] EBIHARA, Shu - FUKUSHIMA, Kenji - OKA, Takashi. Chiral pumping effect induced by rotating electric fields. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 93, no. 15, art. no. 155107., Registrované v: WOS
14. [1.1] FANG, Ren-hong - PANG, Jin-yi - WANG, Qun - WANG, Xin-nian. Pseudoscalar condensation induced by chiral anomaly and vorticity for massive fermions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 014032., Registrované v: WOS
15. [1.1] FENG, B. - HOU, D.F. - REN, H.C. QED radiative corrections to chiral magnetic effect. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 14 2019, vol. 99, no. 3., Registrované v: WOS
16. [1.1] FENG, Yicheng - ZHAO, Jie - WANG, Fuqiang. Responses of the chiral-magnetic-effect-sensitive sine observable to resonance backgrounds in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034904., Registrované v: WOS
17. [1.1] FENG, Y.C. - ZHAO, J. - WANG, F.Q. Back-to-back relative-excess observable to identify the chiral magnetic effect. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 27 2020, vol. 101, no. 1., Registrované v: WOS
18. [1.1] FINCH, L. E. - MURRAY, S. J. Investigating local parity violation in heavy-ion collisions using Lambda helicity. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 4, art. no. 044911., Registrované v: WOS
19. [1.1] FUKUSHIMA, K. - SHIMAZAKI, T. - WANG, L.X. Mode decomposed chiral magnetic effect and rotating fermions. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 29 2020, vol. 102, no. 1., Registrované v: WOS
20. [1.1] FU, Wei-jie - LIU, Yu-xin. Four-fermion interactions and the chiral symmetry breaking in an external magnetic field. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074019., Registrované v: WOS
21. [1.1] GAO, Jian-Hua - LIANG, Zuo-Tang - WANG, Qun - WANG, Xin-Nian. Disentangling covariant Wigner functions for chiral fermions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 036019., Registrované v: WOS
22. [1.1] GAO, Jian-hua - PU, Shi - WANG, Qun. Covariant chiral kinetic equation in the Wigner function approach. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 016002., Registrované v: WOS
23. [1.1] GIACALONE, G. Turning up and down strong magnetic fields in relativistic nuclear collisions. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS
24. [1.1] GUERRERO-RODRIGUEZ, P. Topological charge fluctuations in the Glasma. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 6 2019, no. 8., Registrované v: WOS
25. [1.1] GUO, Er-dong - LIN, Shu. Quark mass effect on axial charge dynamics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 10, art. no. 105001., Registrované v: WOS

26. [1.1] GUO, Er-dong - LIN, Shu. Quark mass correction to chiral separation effect and pseudoscalar condensate. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 1, art. no. 111., Registrované v: WOS
27. [1.1] HAMMELMANN, J. - SOTO-ONTOSO, A. - ALVIOLI, M. - ELFNER, H. - STRIKMAN, M. Influence of the neutron-skin effect on nuclear isobar collisions at energies available at the BNL Relativistic Heavy Ion Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, JUN 30 2020, vol. 101, no. 6., Registrované v: WOS
28. [1.1] HATTORI, Koichi - HUANG, Xu-Guang. Novel quantum phenomena induced by strong magnetic fields in heavy-ion collisions. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2017, vol. 28, no. 2, art. no. 26., Registrované v: WOS
29. [1.1] HIRONO, Yuji - HIRANO, Tetsufumi - KHARZEEV, Dmitri E. Charge-dependent correlations from event-by-event anomalous hydrodynamics. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 393-396., Registrované v: WOS
30. [1.1] HONG, Byungsik. Effect of Quark Spins to the Hadron Distributions for Chiral Magnetic Wave in Ultrarelativistic Heavy-Ion Collisions. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2017, vol. 71, no. 2, pp. 77-81., Registrované v: WOS
31. [1.1] HONG, Byungsik. Nuclear Matter Under Extreme Conditions: from Quark-Gluon Plasma to Neutron Stars. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2018, vol. 72, no. 12, pp. 1515-1522., Registrované v: WOS
32. [1.1] HOU, De-fu - LIN, Shu. Fluctuation and dissipation of axial charge from massive quarks. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 054014., Registrované v: WOS
33. [1.1] HUANG, Ling - MA, Chun-Wang - MA, Guo-Liang. Investigating the quark flavor dependence of the chiral magnetic effect with a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034909., Registrované v: WOS
34. [1.1] HUANG, L. - NIE, M.W. - MA, G.L. Sensitivity analysis for observables of the chiral magnetic effect using a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 28 2020, vol. 101, no. 2., Registrované v: WOS
35. [1.1] HUANG, Xu-Guang - DENG, Wei-Tian - MA, Guo-Liang - WANG, Gang. Chiral magnetic effect in isobaric collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 736-739., Registrované v: WOS
36. [1.1] HUANG, Xu-Guang. Electromagnetic fields and anomalous transports in heavy-ion collisions-a pedagogical review. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2016, vol. 79, no. 7, art. no. 076302., Registrované v: WOS
37. [1.1] HUANG, Xu-Guang. Simulating Chiral Magnetic and Separation Effects with Spin-Orbit Coupled Atomic Gases. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, art. no. 20601., Registrované v: WOS
38. [1.1] CHATTERJEE, Sandeep - TRIBEDY, Prithwish. Separation of flow from the chiral magnetic effect in U plus U collisions using spectator asymmetry. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 1,

- art. no. 011902., Registrované v: WOS
39. [1.1] CHENG, Y.L. - ZHANG, S. - MA, Y.G. - CHEN, J.H. - ZHONG, C. Electromagnetic field from asymmetric to symmetric heavy-ion collisions at 200 GeV/c. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 22 2019, vol. 99, no. 5., Registrované v: WOS
40. [1.1] CHEN, B.X. - FENG, S.Q. A systematical study of the chiral magnetic effects at the RHIC and LHC energies. In CHINESE PHYSICS C. ISSN 1674-1137, FEB 2020, vol. 44, no. 2., Registrované v: WOS
41. [1.1] CHU, Kit-fai - HUANG, Peng-hui - LIU, Hui. Explicit calculation of the two-loop corrections to the chiral magnetic effect with the NJL model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 096009., Registrované v: WOS
42. [1.1] IATRAKIS, Ioannis - LIN, Shu - YIN, Yi. The anomalous transport of axial charge: topological vs non-topological fluctuations. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art. no. 030., Registrované v: WOS
43. [1.1] IMAKI, S. Chiral magnetic effect in the hadronic phase. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 20 2020, vol. 101, no. 7., Registrované v: WOS
44. [1.1] INGHIRAMI, G. - MACE, M. - HIRONO, Y. - DEL ZANNA, L. - KHARZEEV, D.E. - BLEICHER, M. Magnetic fields in heavy ion collisions: flow and charge transport. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 31 2020, vol. 80, no. 3., Registrované v: WOS
45. [1.1] JIANG, Yin - HUANG, Xu-Guang - LIAO, Jinfeng. Chiral vortical wave and induced flavor charge transport in a rotating quark-gluon plasma. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 071501., Registrované v: WOS
46. [1.1] JIANG, Yin - HUANG, Xu-Guang - LIAO, Jinfeng. Chiral electric separation effect in the quark-gluon plasma. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 4, art. no. 045001., Registrované v: WOS
47. [1.1] JIANG, Yin - SHI, Shuzhe - YIN, Yi - LIAO, Jinfeng. Quantifying the chiral magnetic effect from anomalous-viscous fluid dynamics. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 1, art. no. 011001., Registrované v: WOS
48. [1.1] KHARZEEV, Dmitri - TU, Zhoudunming - ZHANG, Aobo - LI, Wei. Effect of the fluctuating proton size on the study of the chiral magnetic effect in proton-nucleus collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 2, art. no. 024905., Registrované v: WOS
49. [1.1] KUMAR, Lokesh - KEANE, Declan. Experimental studies of the quantum chromodynamics phase diagram at the STAR experiment. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2015, vol. 84, no. 5, pp. 773-786., Registrované v: WOS
50. [1.1] LAPPI, Tuomas - SCHLICHTING, Soren. Linearly polarized gluons and axial charge fluctuations in the glasma. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 034034., Registrované v: WOS
51. [1.1] LEE, Su Kyeong - KIM, Eun-Joo - CHOI, Jong Bum. Gluon Propagation in Curved Space. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2015, vol. 67, no. 2, pp. 295-306., Registrované v: WOS
52. [1.1] LIANG, G.R. - LIAO, J.F. - LIN, S. - YAN, L. - LI, M. Chiral

- magnetic effect in isobar collisions from stochastic hydrodynamics*. In CHINESE PHYSICS C. ISSN 1674-1137, SEP 2020, vol. 44, no. 9., Registrované v: WOS
53. [1.1] LIN, S. - SHUKLA, A. Chiral kinetic theory from effective field theory revisited. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 14 2019, no. 6., Registrované v: WOS
54. [1.1] LIN, S. - YANG, L.X. Chiral kinetic theory from Landau level basis. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 10 2020, vol. 101, no. 3., Registrované v: WOS
55. [1.1] LIU, Y.C. - HUANG, X.G. Anomalous chiral transports and spin polarization in heavy-ion collisions. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, MAY 23 2020, vol. 31, no. 6., Registrované v: WOS
56. [1.1] LI, Hui - SHENG, Xin-li - WANG, Qun. Electromagnetic fields with electric and chiral magnetic conductivities in heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 4, art. no. 044903., Registrované v: WOS
57. [1.1] LI, Qiang - KHARZEEV, Dmitri E. Chiral magnetic effect in condensed matter systems. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 107-111., Registrované v: WOS
58. [1.1] LI, Qiang - KHARZEEV, Dmitri E. - ZHANG, Cheng - HUANG, Yuan - PLETIKOSIC, I. - FEDOROV, A. V. - ZHONG, R. D. - SCHNEELOCH, J. A. - GU, G. D. - VALLA, T. Chiral magnetic effect in ZrTe5. In NATURE PHYSICS. ISSN 1745-2473, 2016, vol. 12, no. 6, pp. 550-+., Registrované v: WOS
59. [1.1] LI, W. - WANG, G. Chiral Magnetic Effects in Nuclear Collisions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 293-321., Registrované v: WOS
60. [1.1] MACE, Mark - SCHLICHTING, Soeren - VENUGOPALAN, Raju. Off-equilibrium sphaleron transitions in the glasma. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 074036., Registrované v: WOS
61. [1.1] MAGDY, Niseem - SHI, Shuzhe - LIAO, Jinfeng - AJITANAND, N. - LACEY, Roy A. New correlator to detect and characterize the chiral magnetic effect. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 6, art. no. 061901., Registrované v: WOS
62. [1.1] MAGDY, N. - NIE, M.W. - MA, G.L. - LACEY, R.A. A sensitivity study of the primary correlators used to characterize chiral-magnetically-driven charge separation. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS
63. [1.1] MA, Guo-Liang - HUANG, Xu-Guang. Possible observables for the chiral electric separation effect in Cu plus Au collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 5, art. no. 054901., Registrované v: WOS
64. [1.1] MCDONALD, Daniel. Overview of results from phase I of the Beam Energy Scan program at RHIC. In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, art. no. 01009., Registrované v: WOS
65. [1.1] MIRANSKY, Vladimir A. - SHOVKOVY, Igor A. Quantum field theory in a magnetic field: From quantum chromodynamics to graphene and

- Dirac semimetals. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2015, vol. 576, pp. 1-209., Registrované v: WOS
66. [1.1] OKOROKOV, V. A. Chiral Effects in Nucleus-Nucleus Collisions: Experimental Review. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2017, vol. 80, no. 6, pp. 1133-1140., Registrované v: WOS
67. [1.1] PARK, Sang Eon. Charge asymmetry dependence of anisotropic flow in pPb and PbPb collisions with the CMS experiment. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 345-348., Registrované v: WOS
68. [1.1] PARMAR, Sonia. Event-by-Event Charge Separation in Pb-Pb Collisions at $\sqrt{s(NN)}=2.76$ TeV with ALICE at the LHC. In XXII DAE HIGH ENERGY PHYSICS SYMPOSIUM. ISSN 0930-8989, 2018, vol. 203, pp. 785-787., Registrované v: WOS
69. [1.1] SAHA, A. - SANYAL, S. Flow and vorticity with varying chemical potential in relativistic heavy ion collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, JAN 2020, vol. 29, no. 1., Registrované v: WOS
70. [1.1] SHENG, Xin-li - RISCHKE, Dirk H. - VASAK, David - WANG, Qun. Wigner functions for fermions in strong magnetic fields. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 2, art. no. 21., Registrované v: WOS
71. [1.1] SHENG, X.L. - OLIVA, L. - WANG, Q. What can we learn from the global spin alignment of phi mesons in heavy-ion collisions?. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 12 2020, vol. 101, no. 9., Registrované v: WOS
72. [1.1] SHI, C. - HE, X.T. - JIA, W.B. - WANG, Q.W. - XU, S.S. - ZONG, H.S. Chiral transition and the chiral charge density of the hot and dense QCD matter.. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 19 2020, no. 6., Registrované v: WOS
73. [1.1] SHI, Shusu. STAR highlights on heavy ion physics. In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, art. no. 03035., Registrované v: WOS
74. [1.1] SHI, Shuzhe - JIANG, Yin - LILLESKOV, Elias - YIN, Yi - LIAO, Jinfeng. Quantifying the Chiral Magnetic Effect from Anomalous-Viscous Fluid Dynamics. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 748-751., Registrované v: WOS
75. [1.1] SHI, Shuzhe - JIANG, Yin - LILLESKOV, Elias - LIAO, Jinfeng. Anomalous chiral transport in heavy ion collisions from Anomalous-Viscous Fluid Dynamics. In ANNALS OF PHYSICS. ISSN 0003-4916, 2018, vol. 394, pp. 50-72., Registrované v: WOS
76. [1.1] SCHENKE, B. - SHEN, C. - TRIBEDY, P. Multiparticle and charge-dependent azimuthal correlations in heavy-ion collisions at the Relativistic Heavy-Ion Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, APR 12 2019, vol. 99, no. 4., Registrované v: WOS
77. [1.1] SCHOBER, J. - BRANDENBURG, A. - ROGACHEVSKII, I. Chiral fermion asymmetry in high-energy plasma simulations. In GEOPHYSICAL AND ASTROPHYSICAL FLUID DYNAMICS. ISSN 0309-1929, MAR 3 2020, vol. 114, no. 1-2, SI, p. 106-129., Registrované v: WOS
78. [1.1] SUN, Yifeng - KO, Che Ming. Chiral kinetic approach to the

- chiral magnetic effect in isobaric collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 1, art. no. 014911., Registrované v: WOS
79. [1.1] SUN, Y.F. - KO, C.M. Probing the topological charge in QCD matter via multiplicity up-down asymmetry. In PHYSICS LETTERS B. ISSN 0370-2693, FEB 10 2019, vol. 789, p. 228-232., Registrované v: WOS
80. [1.1] TANJI, Naoto. Nonequilibrium axial charge production in expanding glasma flux tubes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 014025., Registrované v: WOS
81. [1.1] TRIBEDY, P. Status of CME Search Before Isobar Collisions and Methods of Blind Analysis From STAR. In 36TH WINTER WORKSHOP ON NUCLEAR DYNAMICS. ISSN 1742-6588, 2020, vol. 1602., Registrované v: WOS
82. [1.1] TU, Zhoudunming. Charge-dependent azimuthal correlations in pPb collisions with CMS experiment. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 744-747., Registrované v: WOS
83. [1.1] TU, Z. Search for the chiral magnetic effect and vorticity-induced polarization effects in nuclear collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 50-56., Registrované v: WOS
84. [1.1] WANG, Fu-Qiang - ZHAO, Jie. Search for the chiral magnetic effect in heavy ion collisions. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2018, vol. 29, no. 12, art. no. 179., Registrované v: WOS
85. [1.1] WANG, Gang - WEN, Liwen. Experimental Results on Chiral Magnetic and Vortical Effects. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, art. no. 9240170., Registrované v: WOS
86. [1.1] WEN, Fufang - BRYON, Jacob - WEN, Liwen - WANG, Gang. Event-shape-engineering study of charge separation in heavy-ion collisions. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 1, art. no. 014001., Registrované v: WOS
87. [1.1] XIA, Xiao-liang - QIN, Hong - WANG, Qun. Approach to Chandrasekhar-Kendall-Woltjer state in a chiral plasma. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 054042., Registrované v: WOS
88. [1.1] XU, Hao-jie - WANG, Xiaobao - LI, Hanlin - ZHAO, Jie - LIN, Zi-Wei - SHEN, Caiwan - WANG, Fuqiang. Importance of Isobar Density Distributions on the Chiral Magnetic Effect Search. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 2, art. no. 022301., Registrované v: WOS
89. [1.1] XU, Hao-Jie - ZHAO, Jie - WANG, Xiao-Bao - LI, Han-Lin - LIN, Zi-Wei - SHEN, Cai-Wan - WANG, Fu-Qiang. Varying the chiral magnetic effect relative to flow in a single nucleus-nucleus collision. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 8, art. no. 084103., Registrované v: WOS
90. [1.1] YE, Y.J. - MA, Y.G. - TANG, A.H. - WANG, G. Effect of magnetic fields on pairs of oppositely charged particles in ultrarelativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, APR 1 2019, vol. 99, no. 4., Registrované v: WOS
91. [1.1] YIN, Yi - LIAO, Jinfeng. Hydrodynamics with chiral anomaly and charge separation in relativistic heavy ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 756, pp. 42-46., Registrované v: WOS

92. [1.1] ZHANG, Rui - FU, Wei-jie - LIU, Yu-xin. Properties of mesons in a strong magnetic field. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 6, art. no. 307., Registrované v: WOS
93. [1.1] ZHAO, Jie. Charge dependent particle correlations motivated by chiral magnetic effect and chiral vortical effect. In XLVI INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2016). ISSN 2100-014X, 2017, vol. 141, art. no. UNSP 01010., Registrované v: WOS
94. [1.1] ZHAO, Jie. Search for the chiral magnetic effect in relativistic heavy-ion collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 13, art. no. 1830010., Registrované v: WOS
95. [1.1] ZHAO, J. - FENG, Y.C. - LI, H.L. - WANG, F.Q. HIJING can describe the anisotropy-scaled charge-dependent correlations at the BNL Relativistic Heavy Ion Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, MAR 16 2020, vol. 101, no. 3., Registrované v: WOS
96. [1.1] ZHAO, J. - LI, H.L. - WANG, F.Q. Isolating the chiral magnetic effect from backgrounds by pair invariant mass. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 25 2019, vol. 79, no. 2., Registrované v: WOS
97. [1.1] ZHAO, J. - WANG, F.Q. Experimental searches for the chiral magnetic effect in heavy-ion collisions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, JUL 2019, vol. 107, p. 200-236., Registrované v: WOS
98. [1.1] ZHAO, Xin-Li - MA, Yu-Gang - MA, Guo-Liang. Electromagnetic fields in small systems from a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 2, art. no. 024910., Registrované v: WOS
99. [1.1] ZHAO, X.L. - MA, G.L. - MA, Y.G. Impact of magnetic-field fluctuations on measurements of the chiral magnetic effect in collisions of isobaric nuclei. In PHYSICAL REVIEW C. ISSN 2469-9985, MAR 14 2019, vol. 99, no. 3., Registrované v: WOS
100. [1.1] ZHITNITSKY, Ariel R. The topological long range order in QCD. Applications to heavy ion collisions and cosmology. In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, art. no. 03041., Registrované v: WOS
101. [1.1] ZHONG YANG - YANG CHUN-BIN - CAI XU - FENG SHENG-QIN. Spatial distributions of magnetic field in the RHIC and LHC energy regions. In CHINESE PHYSICS C. ISSN 1674-1137, 2015, vol. 39, no. 10, art. no. 104105., Registrované v: WOS
102. [1.1] ZHOU, J. - CHEN, X. - ZHAO, Y.Q. - PING, J.L. Thermodynamics of heavy quarkonium in a magnetic field background. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 22 2020, vol. 102, no. 8., Registrované v: WOS
103. [1.1] ZHOU, Wen-Hao - XU, Jun. Simulating the chiral magnetic wave in a box system. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 4, art. no. 044904., Registrované v: WOS
104. [1.1] ZHOU, W.H. - XU, J. Simulating chiral anomalies with spin dynamics. In PHYSICS LETTERS B. ISSN 0370-2693, NOV 10 2019, vol. 798., Registrované v: WOS
105. [1.1] ZHU, Z.R. - FENG, S.Q. - SHI, Y.F. - ZHONG, Y. Energy loss

of heavy and light quarks in holographic magnetized background. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 4 2019, vol. 99, no. 12., Registrované v: WOS

ADCA225 ACHARYA, S. - ADAMOŤ, D. - ADLER, A. - ADOLFSSON, J. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VAĽA, Martin. Charged jet cross section and fragmentation in proton-proton collisions at root S=7 TeV. In *Physical Review D*, 2019, vol. 99, no. 1, art. no. 012016. (2018: 4.368 - IF, Q1 - JCR, 1.703 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.99.012016>

Ohlasy:

1. [1.1] KANG, Z.B. - LEE, K. - ZHAO, F.Y. Polarized jet fragmentation functions. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS

ADCA226 ABELEV, Betty - ADAM, J. - ADAMOŤ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VAĽA, Martin. Charged jet cross sections and properties in proton-proton collisions at root s=7 TeV. In *Physical Review D*, 2015, vol. 91, no. 11, art. no. 112012. (2014: 4.643 - IF, Q1 - JCR, 2.414 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.91.112012>

Ohlasy:

1. [1.1] PAGE, B.S. - CHU, X.X. - ASCHENAUER, E.C. Experimental aspects of jet physics at a future EIC. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 16 2020, vol. 101, no. 7., Registrované v: WOS

ADCA227 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VAĽA, Martin. Charged kaon femtoscopic correlations in pp collisions at s = 7 TeV (ALICE Collaboration). In *Physical Review D. Particles, fields, gravitation and cosmology*, 2013, vol. 87, no. 5, art. no. 052016. (2012: 4.691 - IF, Q1 - JCR, 2.725 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.87.052016>

Ohlasy:

1. [1.1] ACHASOV, N. N. - KISELEV, A. V. Light scalar mesons and two-kaon correlation functions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 036015., Registrované v: WOS
2. [1.1] BLUM, K. - TAKIMOTO, M. Nuclear coalescence from correlation functions. In PHYSICAL REVIEW C. ISSN 2469-9985, APR 18 2019, vol. 99, no. 4., Registrované v: WOS
3. [1.1] MIHAYLOV, D. L. - SARTI, V. Mantovani - ARNOLD, O. W. - FABBETTI, L. - HOHLWEGGER, B. - MATHIS, A. M. A femtoscopic correlation analysis tool using the Schrodinger equation (CATS). In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 5, art. no. 394., Registrované v: WOS

ADCA228 AARON, F.D. - BRUNCKO, Dušan - FERENCEI, Jozef - MURÍN, Pavol - TOMASZ, Filip. Charged Particle Production in High Q2 Deep-Inelastic Scattering

at HERA. In *Physics Letters B*, 2007, vol. 654, no. 5-6, p. 148-159. (2006: 5.043 - IF, Q1 - JCR, 3.265 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2007.07.073>

Ohlasy:

1. [1.1] PEREZ-RAMOS, Redamy - D'ENTERRIA, David.
Determination of $\alpha(s)$ at NLO*+NNLL from a global fit of the low- z parton-to-hadron fragmentation functions in $e(+) e(-)$ and DIS collisions. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. 04001., Registrované v: WOS

ADCA229 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Charged-particle distributions at low transverse momentum in $\sqrt{s}=13$ TeV pp interactions measured with the ATLAS detector at the LHC. In *European Physical Journal C*, 2016, vol. 76, no. 9, art. no. 502. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4335-y>

Ohlasy:

1. [1.1] ALBACETE, Javier L. - PETERSEN, Hannah - SOTO-ONTOSO, Alba. Correlated wounded hot spots in proton-proton interactions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 064909., Registrované v: WOS
2. [1.1] ALBACETE, Javier L. - PETERSEN, Hannah - SOTO-ONTOSO, Alba. Symmetric cumulants as a probe of the proton substructure at LHC energies. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2018, vol. 778, pp. 128-136., Registrované v: WOS
3. [1.1] ANG, H.W. - CHAN, A.H. - GHAFAR, M. - RYBCZYNSKI, M. - WILK, G. - WLODARCZYK, Z. A look at multiparticle production via modified combinants. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, APR 21 2020, vol. 56, no. 4., Registrované v: WOS
4. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In *MULTIPLE PARTON INTERACTIONS AT THE LHC*. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
5. [1.1] BELLM, J. - GIESEKE, S. - KIRCHGAESSER, P. Improving the description of multiple interactions in Herwig. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, MAY 25 2020, vol. 80, no. 5., Registrované v: WOS
6. [1.1] BIYAJIMA, Minoru - MIZOGUCHI, Takuya. Analyses of multiplicity distributions and Bose-Einstein correlations at the LHC using negative binomial distribution and generalized Glauber-Lachs formula. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2018, vol. 54, no. 6, art. no. 105., Registrované v: WOS
7. [1.1] CESAROTTI, C. - THALER, J. A robust measure of event isotropy at colliders. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, AUG 19 2020, no. 8., Registrované v: WOS
8. [1.1] DREWES, M. - GIAMMANCO, A. - HAJER, J. - LUCENTE, M. New long-lived particle searches in heavy-ion collisions at the LHC. In

- PHYSICAL REVIEW D. ISSN 2470-0010, MAR 3 2020, vol. 101, no. 5.,
Registrované v: WOS
9. [1.1] D'ENTERRIA, D. Ultrahigh-energy cosmic rays: Anomalies, QCD, and LHC data. In ULTRA HIGH ENERGY COSMIC RAYS 2018 (UHECR 2018). ISSN 2100-014X, 2019, vol. 210., Registrované v: WOS
10. [1.1] GOTSMAN, E. - LEVIN, E. Thermal radiation and inclusive production in the Kharzeev-Levin-Nardi model for ion-ion collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 12 2019, vol. 100, no. 3., Registrované v: WOS
11. [1.1] GOTSMAN, E. - LEVIN, E. Thermal radiation and inclusive production in the CGC/saturation approach at high energies. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 17 2019, vol. 79, no. 5., Registrované v: WOS
12. [1.1] MONDAL, M. - MONDAL, J. - KAR, S. - DEB, A. - GHOSH, P. Forward-backward multiplicity and momentum correlations in pp collisions at LHC energies. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 21 2020, vol. 102, no. 1., Registrované v: WOS
13. [1.1] OSTAPCHENKO, S. QGSJET-III model: physics and preliminary results. In XX INTERNATIONAL SYMPOSIUM ON VERY HIGH ENERGY COSMIC RAY INTERACTIONS (ISVHECRI 2018). ISSN 2100-014X, 2019, vol. 208., Registrované v: WOS
14. [1.1] PIEROG, T. Hadronic Interactions and Air Showers: Where Do We Stand?. In XX INTERNATIONAL SYMPOSIUM ON VERY HIGH ENERGY COSMIC RAY INTERACTIONS (ISVHECRI 2018). ISSN 2100-014X, 2019, vol. 208., Registrované v: WOS
15. [1.1] REICHELT, Daniel - RICHARDSON, Peter - SIODMOK, Andrzej. Improving the simulation of quark and gluon jets with Herwig 7. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 876., Registrované v: WOS
16. [1.1] SIODMOK, Andrzej. QUARK/GLUON JETS DISCRIMINATION AND ITS CONNECTION TO COLOUR RECONNECTION. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 12, pp. 2341-2346., Registrované v: WOS
17. [1.1] SJOSTRAND, T. - UTHEIM, M. A framework for hadronic rescattering in pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 1 2020, vol. 80, no. 10., Registrované v: WOS
18. [1.1] ZBOROVSKY, I. Three-component multiplicity distribution, oscillation of combinants and properties of clans in pp collisions at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 10, art. no. 816., Registrované v: WOS
19. [1.1] ZHOU, Qi-Dong - ITOW, Yoshitaka - MENJO, Hiroaki - SAKO, Takashi. Monte Carlo study of particle production in diffractive proton-proton collisions at $\sqrt{s}=13$ TeV with the very forward detector combined with central information. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 4, art. no. 212., Registrované v: WOS

ADCA230 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABELOOS, B. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Charged-particle distributions in pp interactions at $\sqrt{s}=8$ TeV measured with the ATLAS detector. In *European Physical Journal C*, 2016, vol. 76, no. 7, art. no. 403.

(2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4203-9>

Ohlasy:

1. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
2. [1.1] PIRNER, H.J. - KOPELIOVICH, B.Z. - REYGERS, K. Strangeness enhancement due to string fluctuations. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 15 2020, vol. 101, no. 11., Registrované v: WOS
3. [1.1] RADI, A. Modeling charged-particle multiplicity distributions at LHC. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, NOV 30 2020, vol. 35, no. 36., Registrované v: WOS
4. [1.1] REICHEL, Daniel - RICHARDSON, Peter - SIODMOK, Andrzej. Improving the simulation of quark and gluon jets with Herwig 7. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 876., Registrované v: WOS
5. [1.1] SIODMOK, Andrzej. QUARK/GLUON JETS DISCRIMINATION AND ITS CONNECTION TO COLOUR RECONNECTION. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 12, pp. 2341-2346., Registrované v: WOS
6. [1.1] TU, Z.D.M. - KHARZEEV, D.E. - ULLRICH, T. Einstein-Podolsky-Rosen Paradox and Quantum Entanglement at Subnucleonic Scales. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, FEB 14 2020, vol. 124, no. 6., Registrované v: WOS
7. [1.1] ZBOROVSKY, I. Three-component multiplicity distribution, oscillation of combinants and properties of clans in pp collisions at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 10, art. no. 816., Registrované v: WOS

ADCA231 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABELOOS, B. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Charged-particle distributions in root s=13 TeV pp interactions measured with the ATLAS detector at the LHC. In *Physics Letters B*, 2016, vol. 758, p. 67-88. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2016.04.050>

Ohlasy:

1. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
2. [1.1] EL-DAHSHAN, El-Sayed. Function mining for the $\langle P-T \rangle$ -N-ch correlations in pp and pp(bar) collisions based on symbolic regression. In TURKISH JOURNAL OF PHYSICS. ISSN 1300-0101, 2018, vol. 42, no. 3, pp. 273-282., Registrované v: WOS
3. [1.1] GIESEKE, Stefan - KIRCHGAESSER, Patrick - LOSHAJ, Frasher. A NEW MODEL FOR SOFT INTERACTIONS IN HERWIG. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 6, pp.

1025-1033., Registrované v: WOS

4. [1.1] GIESEKE, Stefan - LOSHAJ, Frasher - KIRCHGAESSER, Patrick. Soft and diffractive scattering with the cluster model in Herwig. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 3, art. no. 156., Registrované v: WOS

5. [1.1] GOTSMAN, E. - LEVIN, E. Thermal radiation and inclusive production in the Kharzeev-Levin-Nardi model for ion-ion collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 12 2019, vol. 100, no. 3., Registrované v: WOS

6. [1.1] GOTSMAN, E. - LEVIN, E. Thermal radiation and inclusive production in the CGC/saturation approach at high energies. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 17 2019, vol. 79, no. 5., Registrované v: WOS

7. [1.1] NALLY, Richard - RABEN, Timothy - TAN, Chung-I. Inclusive production through AdS/CFT. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 11, art. no. 075., Registrované v: WOS

8. [1.1] OKOROKOV, V. A. Levy Distributions for One-Dimensional Analysis of the Bose-Einstein Correlations. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, art. no. 5465398., Registrované v: WOS

9. [1.1] ORTIZ, Antonio - VALENCIA PALOMO, Lizardo. Universality of the underlying event in pp collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 114019., Registrované v: WOS

10. [1.1] OSTAPCHENKO, S. QGSJET-III model: physics and preliminary results. In XX INTERNATIONAL SYMPOSIUM ON VERY HIGH ENERGY COSMIC RAY INTERACTIONS (ISVHECRI 2018). ISSN 2100-014X, 2019, vol. 208., Registrované v: WOS

11. [1.1] PALNI, P. - KHUNTIA, A. - BARTALINI, P. Evolution of strange and multi-strange hadron production with relative transverse multiplicity activity in underlying event. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 6 2020, vol. 80, no. 10., Registrované v: WOS

12. [1.1] REICHEL, Daniel - RICHARDSON, Peter - SIODMOK, Andrzej. Improving the simulation of quark and gluon jets with Herwig 7. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 876., Registrované v: WOS

13. [1.1] SADHU, S. - GHOSH, P. Anomalous features of particle production in high-multiplicity events of pp collisions at the LHC energies. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 22 2019, vol. 99, no. 3., Registrované v: WOS

14. [1.1] SIKLER, Ferenc. A combination of analysis techniques for efficient track reconstruction of high multiplicity events in silicon detectors. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 6, art. no. 113., Registrované v: WOS

15. [1.1] SIKLER, Ferenc. Combination of various data analysis techniques for efficient track reconstruction in very high multiplicity events. In CONNECTING THE DOTS/INTELLIGENT TRACKERS 2017 (CTD/WIT 2017). ISSN 2100-014X, 2017, vol. 150, art. no. 00011., Registrované v: WOS

16. [1.1] SIODMOK, Andrzej. QUARK/GLUON JETS DISCRIMINATION AND ITS CONNECTION TO COLOUR RECONNECTION. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 12, pp. 2341-2346., Registrované v: WOS

17. [1.1] SJOSTRAND, T. - UTHEIM, M. A framework for hadronic rescattering in pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 1 2020, vol. 80, no. 10., Registrované v: WOS
18. [1.1] WEBER, S.G. - DUBLA, A. - ANDRONIC, A. - MORSCH, A. Elucidating the multiplicity dependence of J/psi production in proton-proton collisions with PYTHIA8. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 17 2019, vol. 79, no. 1., Registrované v: WOS
19. [1.1] ZBOROVSKY, I. Three-component multiplicity distribution, oscillation of combinants and properties of clans in pp collisions at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 10, art. no. 816., Registrované v: WOS

ADCA232 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Charged-particle multiplicities in pp interactions at root s=900 GeV measured with the ATLAS detector at the LHC ATLAS Collaboration. In *Physics Letters B*, 2010, vol. 688, no. 1, p. 21-42. (2009: 5.083 - IF, 2.886 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2010.03.064>

Ohlasy:

1. [1.1] ALI, Q. - ALI, Y. - HASEEB, M. - AJAZ, M. Distributions of the Transverse Momentum and Pseudorapidity of Charged Particles in pp Collisions at 0.9 TeV. In JETP LETTERS. ISSN 0021-3640, APR 2019, vol. 109, no. 8, p. 495-498., Registrované v: WOS
2. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
3. [1.1] BOFFITO, Daria C. - PATIENCE, Christian A. - PATIENCE, Paul A. - BERTRAND, Francois - PATIENCE, Gregory S. How do you write and present research well? 8 Assign authorship according to intellectual involvement. In CANADIAN JOURNAL OF CHEMICAL ENGINEERING. ISSN 0008-4034, 2016, vol. 94, no. 6, pp. 1127-1134., Registrované v: WOS
4. [1.1] CAKIR, M.P. - ACARTURK, C. - ALKAN, S. - AKBULUT, U. Multi-authoring and its impact on university rankings: a case study of CERN effect on Turkish universities. In STUDIES IN HIGHER EDUCATION. ISSN 0307-5079, JUN 3 2019, vol. 44, no. 6, p. 1052-1068., Registrované v: WOS
5. [1.1] GHAFARY, Tooraj. Charged Particles Multiplicity and Scaling Violation of Fragmentation Functions in Electron-Positron Annihilation. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 4506809., Registrované v: WOS
6. [1.1] GOTSMAN, E. - LEVIN, E. - MAOR, U. - TAPIA, S. CGC/saturation approach for high energy soft interactions: nu(2) in proton-proton collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 074029., Registrované v: WOS
7. [1.1] GOTSMAN, E. - LEVIN, E. - MAOR, U. CGC/saturation approach for soft interactions at high energy: survival probability of central exclusive production. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, art. no. 177., Registrované v: WOS
8. [1.1] GOTSMAN, E. - LEVIN, E. - POTASHNIKOVA, I. A

- CGC/saturation approach for angular correlations in proton-proton scattering. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 632., Registrované v: WOS
9. [1.1] KHAN, R. - AJAZ, M. Model predictions of charge particle densities and multiplicities in the forward region at 7 TeV. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, JUL 30 2020, vol. 35, no. 23., Registrované v: WOS
10. [1.1] LEVIN, E. - SCHMIDT, I. - SIDDIKOV, M. Multiplicity dependence of quarkonia production in the CGC approach. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 20 2020, vol. 80, no. 6., Registrované v: WOS
11. [1.1] LIU, Jingjing - LIU, Wanquan - LI, Qilin - MA, Shiwei - CHEN, Guanghua. Evaluation of K-SVD with Different Embedded Sparse Representation Algorithms. In 2016 12TH INTERNATIONAL CONFERENCE ON NATURAL COMPUTATION, FUZZY SYSTEMS AND KNOWLEDGE DISCOVERY (ICNC-FSKD), 2016, pp. 426-432., Registrované v: WOS
12. [1.1] ORTIZ, Antonio - VALENCIA PALOMO, Lizardo. Universality of the underlying event in pp collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 114019., Registrované v: WOS
13. [1.1] ROLIA, Eva - SUTJININGSIH, Dwita. Application of Geoelectric Method for Groundwater Exploration from Surface (A Literature Study). In HUMAN-DEDICATED SUSTAINABLE PRODUCT AND PROCESS DESIGN: MATERIALS, RESOURCES, AND ENERGY. ISSN 0094-243X, 2018, vol. 1977, art. no. 020018., Registrované v: WOS
14. [1.1] VERSHYNINA, A. Entanglement rates for Renyi, Tsallis, and other entropies. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, FEB 2019, vol. 60, no. 2., Registrované v: WOS
15. [1.1] WANG, Meixi - LIU, Jingjing - MA, Shiwei - LIU, Wanquan. Evaluation of K-SVD Embedded with Modified $l(1)$ -Norm Sparse Representation Algorithm. In INTELLIGENT COMPUTING, NETWORKED CONTROL, AND THEIR ENGINEERING APPLICATIONS, PT II. ISSN 1865-0929, 2017, vol. 762, pp. 84-93., Registrované v: WOS

ADCA233 ANDREI, V. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Charged-particle multiplicities in pp interactions measured with the ATLAS detector at the LHC. In *New Journal of Physics*, 2011, vol. 13, no. 5, art. no. 053033. (2010: 3.849 - IF, Q1 - JCR, 3.405 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1367-2630. Dostupné na: <https://doi.org/10.1088/1367-2630/13/5/053033>

Ohlasy:

1. [1.1] ABDULOV, N. A. - JUNG, H. - LIPATOV, A. - LYKASOV, G. - MALYSHEV, M. A. Employing RHIC and LHC data to determine the transverse momentum dependent gluon density in a proton. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 054010., Registrované v: WOS
2. [1.1] ABRAHAO, M. - DANTAS, W. G. - DE ALMEIDA, R. M. - GRATIERI, D. R. - PENNA, T. J. P. On the Impact of Tsallis Statistics on Cosmic Ray Showers. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 4676024., Registrované v: WOS

3. [1.1] ADRIANI, O. - BERTI, E. - BONECHI, L. - BONGI, M. - D'ALESSANDRO, R. - DETTI, S. - HAGUENAUER, M. - ITOW, Y. - KASAHARA, K. - MENJO, H. - MURAKI, Y. - OHASHI, K. - PAPINI, P. - RICCIARINI, S. - SAKO, T. - SAKURAI, N. - SATO, K. - TAMURA, T. - TIBERIO, A. - TORII, S. - TRICOMI, A. - TURNER, W.C. - UENO, M. Measurement of energy flow, cross section and average inelasticity of forward neutrons produced in $\sqrt{s}=13$ TeV proton-proton collisions with the LHCf Arm2 detector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 2 2020, no. 7., Registrované v: WOS
4. [1.1] AGGARWAL, R. - KAUR, M. Comparative study of charged multiplicities and moments in pp collisions at $\sqrt{s}=7$ TeV in the forward region at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 9 2020, vol. 102, no. 5., Registrované v: WOS
5. [1.1] ANG, H.W. - CHAN, A.H. - GHAFAR, M. - RYBCZYNSKI, M. - WILK, G. - WLODARCZYK, Z. A look at multiparticle production via modified combinants. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, APR 21 2020, vol. 56, no. 4., Registrované v: WOS
6. [1.1] ARTEMENKOV, Denis - MALAKHOV, Alexander - LYKASOV, Gennady. Development of the Baldin approach for the relativistic nuclear interactions. In XXIII INTERNATIONAL BALDIN SEMINAR ON HIGH ENERGY PHYSICS PROBLEMS RELATIVISTIC NUCLEAR PHYSICS AND QUANTUM CHROMODYNAMICS (BALDIN ISHEPP XXIII). ISSN 2100-014X, 2017, vol. 138, art. no. UNSP 01031., Registrované v: WOS
7. [1.1] ARTEMENKOV, D. A. - LYKASOV, G. I. - MALAKHOV, A. I. Self-similarity of hadron production in pp and AA collisions at high energies. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 21, art. no. 1550127., Registrované v: WOS
8. [1.1] BAGCHI, Debarshee - TSALLIS, Constantino. Sensitivity to initial conditions of a d-dimensional long-range-interacting quartic Fermi-Pasta-Ulam model: Universal scaling. In PHYSICAL REVIEW E. ISSN 2470-0045, 2016, vol. 93, no. 6, art. no. 062213., Registrované v: WOS
9. [1.1] BELLM, J. - BEWICK, G. - RAVASIO, S.F. - GIESEKE, S. - GRELLSCHEID, D. - KIRCHGAESSER, P. - LOSHAJ, F. - MASOUMINIA, M.R. - NAIL, G. - PAPAESTATHIOU, A. - PLATZER, S. - PODSKUBKA, R. - RAUCH, M. - REUSCHLE, C. - RICHARDSON, P. - SCHICHEL, P. - SEYMOUR, M.H. - SODMOK, A. - WEBSTER, S. Herwig 7.2 release note. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 20 2020, vol. 80, no. 5., Registrované v: WOS
10. [1.1] BELLM, J. - GIESEKE, S. - KIRCHGAESSER, P. Improving the description of multiple interactions in Herwig. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 25 2020, vol. 80, no. 5., Registrované v: WOS
11. [1.1] BHATTACHARYYA, Trambak - CLEYMANS, Jean - MOGLIACCI, Sylvain. Analytic results for the Tsallis thermodynamic variables. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 094026., Registrované v: WOS
12. [1.1] BHATTACHARYYA, Trambak - GARG, Prakhar - SAHOO, Raghunath - SAMANTRAY, Prasant. Time evolution of temperature fluctuation in a non-equilibrated system. In EUROPEAN PHYSICAL JOURNAL A. ISSN

- 1434-6001, 2016, vol. 52, no. 9, art. no. 283., Registrované v: WOS
13. [1.1] BHATTACHARYYA, Trambak - CLEYMANS, Jean - KHUNTIA, Arvind - PAREEK, Pooja - SAHOO, Raghunath. Radial flow in non-extensive thermodynamics and study of particle spectra at LHC in the limit of small ($q-1$). In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 2, art. no. 30., Registrované v: WOS
14. [1.1] BHATTACHARYYA, Trambak - CLEYMANS, Jean - GARG, Prakhar - KUMAR, Prateek - MOGLIACCI, Sylvain - SAHOO, Raghunath - TRIPATHY, Sushanta. Applications of the Tsallis Statistics in High Energy Collisions. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC. ISSN 1742-6588, 2017, vol. 878, art. no. UNSP 012016., Registrované v: WOS
15. [1.1] BHATTACHARYYA, T. - CLEYMANS, J. - MOGLIACCI, S. - PARVAN, A. S. - SORIN, A. S. - TERYAEV, O. V. Non-extensivity of the QCD $p(T)$ -spectra. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 12, art. no. 222., Registrované v: WOS
16. [1.1] BHATTACHARYYA, T. - CLEYMANS, J. - MARQUES, L. - MOGLIACCI, S. - PARADZA, M. W. On the precise determination of the Tsallis parameters in proton-proton collisions at LHC energies. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 5, art. no. 055001., Registrované v: WOS
17. [1.1] BIALAS, A. Tsallis p (perpendicular to) distribution from statistical clusters. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 190-192., Registrované v: WOS
18. [1.1] BIALAS, A. - BZDAK, A. Short-range two-particle correlations from statistical clusters. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 094015., Registrované v: WOS
19. [1.1] BIERLICH, Christian - GUSTAFSON, Gosta - LONNBLAD, Leif - SHAH, Harsh. The Angantyr model for heavy-ion collisions in Pythia8. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 134., Registrované v: WOS
20. [1.1] BIRO, G. - BARNAFOLDI, G.G. - BIRO, T.S. Tsallis-thermometer: a QGP indicator for large and small collisional systems. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, OCT 2020, vol. 47, no. 10., Registrované v: WOS
21. [1.1] BIYAJIMA, Minoru - MIZOGUCHI, Takuya. Analyses of multiplicity distributions and Bose-Einstein correlations at the LHC using negative binomial distribution and generalized Glauber-Lachs formula. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 6, art. no. 105., Registrované v: WOS
22. [1.1] BRATKOVSKAYA, E. L. - CASSING, W. - KONCHAKOVSKI, V. P. - TONEEV, V. D. The QGP dynamics in relativistic collisions. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2014). ISSN 1742-6588, 2015, vol. 623, art. no. 012005., Registrované v: WOS
23. [1.1] BRITO, Samurai - DA SILVA, L. R. - TSALLIS, Constantino. Role of dimensionality in complex networks. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, art. no. 27992., Registrované v: WOS
24. [1.1] BRODSKY, S.J. - LYKASOV, G.I. - LIPATOV, A.V. - SMIESKO, J. Novel heavy-quark physics phenomena. In PROGRESS IN

PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, SEP 2020, vol. 114.,
Registrované v: WOS

25. [1.1] BROOKS, Helen - SKANDS, Peter. Average event properties from LHC to FCC-hh. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 11, art. no. 963., Registrované v: WOS

26. [1.1] CLEYMANS, J. On the Use of the Tsallis Distribution at LHC Energies. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012079., Registrované v: WOS

27. [1.1] CLEYMANS, J. - AZMI, M. D. Large Transverse Momenta and Tsallis Thermodynamics. In 15TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2015). ISSN 1742-6588, 2016, vol. 668, art. no. 012050., Registrované v: WOS

28. [1.1] CLEYMANS, J. - AZMI, M. D. - PARVAN, A. S. - TERYAEV, O. V. The Parameters of The Tsallis Distribution at the LHC. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 11004., Registrované v: WOS

29. [1.1] DEPPMAN, A. - MARQUES, L. - CLEYMANS, J. Longitudinal Properties of High Energy Collisions. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2014). ISSN 1742-6588, 2015, vol. 623, art. no. 012009., Registrované v: WOS

30. [1.1] DERRADI DE SOUZA, R. - KOIDE, T. - KODAMA, T. Hydrodynamic approaches in relativistic heavy ion reactions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 86, pp. 35-85., Registrované v: WOS

31. [1.1] DURAES, F. O. - GIANNINI, A. V. - GONCALVES, V. P. - NAVARRA, F. S. Rapidity dependence of the average transverse momentum in hadronic collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024917., Registrované v: WOS

32. [1.1] EL-DAHSHAN, El-Sayed A. - EL-BAKRY, Mahmoud Y. Modeling of Transverse Momentum Spectra for Charged Particles in Proton-Proton Collisions Based on Soft Computing Approaches. In JOURNAL OF COMPUTATIONAL AND THEORETICAL TRANSPORT. ISSN 2332-4309, 2017, vol. 46, no. 6-7, pp. 410-426., Registrované v: WOS

33. [1.1] FERREIRA, Douglas S. R. - PAPA, Andres R. R. - MENEZES, Ronaldo. On the agreement between small-world-like OFC model and real earthquakes. In PHYSICS LETTERS A. ISSN 0375-9601, 2015, vol. 379, no. 7, pp. 669-675., Registrované v: WOS

34. [1.1] FERREIRA, Douglas - RIBEIRO, Jennifer - PAPA, Andres - MENEZES, Ronaldo. Towards evidence of long-range correlations in shallow seismic activities. In EPL. ISSN 0295-5075, 2018, vol. 121, no. 5, art. no. 58003., Registrované v: WOS

35. [1.1] GIESEKE, Stefan - KIRCHGAESSER, Patrick - LOSHAJ, Frasher. A NEW MODEL FOR SOFT INTERACTIONS IN HERWIG. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 6, pp. 1025-1033., Registrované v: WOS

36. [1.1] GIESEKE, Stefan - LOSHAJ, Frasher - KIRCHGAESSER, Patrick. Soft and diffractive scattering with the cluster model in Herwig. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 3, art. no. 156., Registrované v: WOS

37. [1.1] GRIGORYAN, Smbat. Using the Tsallis distribution for hadron spectra in pp collisions: Pions and quarkonia at $\sqrt{s}=5-13000$ GeV. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 056021., Registrované v: WOS
38. [1.1] HOCHE, Stefan. Introduction to Parton-Shower Event Generators. In JOURNEYS THROUGH THE PRECISION FRONTIER: AMPLITUDES FOR COLLIDERS (TASI 2014), 2016, pp. 235-295., Registrované v: WOS
39. [1.1] JUNG, Hannes - VAN MECHELEN, Pierre. New Underlying Event Tunes. In STUDY OF DOUBLE PARTON SCATTERING USING FOUR-JET SCENARIOS: IN PROTON-PROTON COLLISIONS AT $(\sqrt{s}) = 7$ TEV WITH THE CMS EXPERIMENT AT THE LHC. ISSN 2190-5053, 2016, pp. 245-261., Registrované v: WOS
40. [1.1] KHAN, R. - AJAZ, M. Model predictions of charge particle densities and multiplicities in the forward region at 7 TeV. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, JUL 30 2020, vol. 35, no. 23., Registrované v: WOS
41. [1.1] KHUNTIA, Arvind - TRIPATHY, Sushanta - SAHOO, Raghunath - CLEYMANS, Jean. Multiplicity dependence of non-extensive parameters for strange and multi-strange particles in proton-proton collisions at $\sqrt{s}=7$ TeV at the LHC. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 5, art. no. 103., Registrované v: WOS
42. [1.1] KOSHELKIN, Andrew V. - WONG, Cheuk-Yin. Dynamics of Quarks in a 2D Flux Tube. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. 01004., Registrované v: WOS
43. [1.1] KOVNER, Alex - SKOKOV, Vladimir V. Bose enhancement, the Liouville effective action, and the high multiplicity tail in p A collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 014004., Registrované v: WOS
44. [1.1] LIN, Su-Jie - BI, Xiao-Jun - FENG, Jie - YIN, Peng-Fei - YU, Zhao-Huan. Systematic study on the cosmic ray antiproton flux. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 12, art. no. 123010., Registrované v: WOS
45. [1.1] LYKASOV, G. I. - MALAKHOV, A. I. Self-consistent analysis of hadron production in pp and AA collisions at mid-rapidity. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 11, art. no. 187., Registrované v: WOS
46. [1.1] MALAKHOV, A. - ARTEMENKOV, D. - LYKASOV, G. Development of the Baldin approach to analysis of hadronic and nuclear processes at high energies. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, 2017, vol. 48, no. 6, pp. 949-955., Registrované v: WOS
47. [1.1] MARQUES, L. - CLEYMANS, J. - DEPPMAN, A. Description of high-energy pp collisions using Tsallis thermodynamics: Transverse momentum and rapidity distributions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 5, art. no. 054025., Registrované v: WOS
48. [1.1] METZ, A. - VOSSSEN, A. Parton fragmentation functions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 91, pp. 136-202., Registrované v: WOS
49. [1.1] MIZOGUCHI, Takuya - BIYAJIMA, Minoru - SUZUKI,

- Naomichi. Analyses of whole transverse momentum distributions in $p(\bar{p})$ and pp collisions by using a modified version of Hagedorn's formula. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 11, art. no. 1750057., Registrované v: WOS
50. [1.1] MONDAL, M. - MONDAL, J. - KAR, S. - DEB, A. - GHOSH, P. Forward-backward multiplicity and momentum correlations in pp collisions at LHC energies. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 21 2020, vol. 102, no. 1., Registrované v: WOS
51. [1.1] OLIMOV, K.K. - IQBAL, A. - MASOOD, S. Systematic analysis of midrapidity transverse momentum spectra of identified charged particles in p plus p collisions at $(s_{NN})^{1/2}=2.76, 5.02, \text{ and } 7 \text{ TeV}$ at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, SEP 30 2020, vol. 35, no. 27., Registrované v: WOS
52. [1.1] ORTIZ, Antonio - VALENCIA PALOMO, Lizardo. Universality of the underlying event in pp collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 114019., Registrované v: WOS
53. [1.1] PARVAN, A. S. Ultrarelativistic transverse momentum distribution of the Tsallis statistics. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 3, art. no. 53., Registrované v: WOS
54. [1.1] PARVAN, A. S. - TERYAEV, O. V. - CLEYMANS, J. Systematic comparison of Tsallis statistics for charged pions produced in pp collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 5, art. no. 102., Registrované v: WOS
55. [1.1] PARVAN, A.S. - BHATTACHARYYA, T. Hadron transverse momentum distributions of the Tsallis normalized and unnormalized statistics. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, FEB 27 2020, vol. 56, no. 2., Registrované v: WOS
56. [1.1] PLASTINO, A. - ROCCA, M. C. On the entropic derivation of the $r(-2)$ Newtonian gravity force. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2018, vol. 505, pp. 190-195., Registrované v: WOS
57. [1.1] RADI, A. Modeling charged-particle multiplicity distributions at LHC. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, NOV 30 2020, vol. 35, no. 36., Registrované v: WOS
58. [1.1] REICHEL, Daniel - RICHARDSON, Peter - SIODMOK, Andrzej. Improving the simulation of quark and gluon jets with Herwig 7. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 876., Registrované v: WOS
59. [1.1] RISTEA, Oana - RISTEA, Catalin - JIPA, Alexandru. Rapidity dependence of charged pion production at relativistic energies using Tsallis statistics. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 5, art. no. 91., Registrované v: WOS
60. [1.1] RYBCZYNSKI, Maciej - WLODARCZYK, Zbigniew. Imprints of energy limitation in transverse momentum distributions of jets. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 7, art. no. 80., Registrované v: WOS
61. [1.1] RYBCZYNSKI, M. - WLODARCZYK, Z. Similarities in Multiparticle Production Processes in pp Collisions as Imprints of Nonextensive Statistics. In SYMMETRY-BASEL. AUG 2020, vol. 12, no. 8., Registrované v: WOS

62. [1.1] RYBCZYNSKI, M. - WLODARCZYK, Z. Fluctuations and clustering of multiplicity in collisions of relativistic ions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, JAN 28 2020, vol. 56, no. 1., Registrované v: WOS
63. [1.1] RYBCZYNSKI, M. - WLODARCZYK, Z. Self-similarity in Fluctuations and Clustering of Multiplicities. In XLIX INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2019). ISSN 2100-014X, 2020, vol. 235., Registrované v: WOS
64. [1.1] SARKISYAN, Edward K. G. - MISHRA, Aditya Nath - SAHOO, Raghunath - SAKHAROV, Alexander S. Multihadron production dynamics exploring the energy balance in hadronic and nuclear collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 054046., Registrované v: WOS
65. [1.1] SHARMA, S. - KAUR, M. - THAKUR, S. Multiplicity spectra in $e(+)e(-)$ and $(p)over-bar p$ collisions in terms of Tsallis and Weibull distributions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, 2018, vol. 27, no. 11, art. no. 1850101., Registrované v: WOS
66. [1.1] SHARMA, S. - KAUR, M. Multiplicity spectra in pp collisions at high energies in terms of Gamma and Tsallis distributions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 034008., Registrované v: WOS
67. [1.1] SIODMOK, Andrzej. QUARK/GLUON JETS DISCRIMINATION AND ITS CONNECTION TO COLOUR RECONNECTION. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 12, pp. 2341-2346., Registrované v: WOS
68. [1.1] SJOSTRAND, T. - UTHEIM, M. A framework for hadronic rescattering in pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 1 2020, vol. 80, no. 10., Registrované v: WOS
69. [1.1] SPANNOWSKY, Michael - STOLL, Martin. Tracking new physics at the LHC and beyond. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 054033., Registrované v: WOS
70. [1.1] TAWFIK, Abdel Nasser - YASSIN, Hayam - ELYAZEED, Eman R. Abo. On thermodynamic self-consistency of generic axiomatic-nonextensive statistics. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 5, art. no. 053107., Registrované v: WOS
71. [1.1] THAKUR, Dhananjaya - TRIPATHY, Sushanta - GARG, Prakhar - SAHOO, Raghunath - CLEYMANS, Jean. Indication of a Differential Freeze-Out in Proton-Proton and Heavy-Ion Collisions at RHIC and LHC Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 4149352., Registrované v: WOS
72. [1.1] TRIPATHY, Sushanta - BHATTACHARYYA, Trambak - GARG, Prakhar - KUMAR, Prateek - SAHOO, Raghunath - CLEYMANS, Jean. Nuclear modification factor using Tsallis non-extensive statistics. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 9, art. no. 289., Registrované v: WOS
73. [1.1] WILK, Grzegorz - WLODARCZYK, Zbigniew. QUASI-POWER LAW ENSEMBLES. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2015, vol. 46, no. 6, pp. 1103-1122., Registrované v: WOS
74. [1.1] WILK, Grzegorz - WLODARCZYK, Zbigniew. Oscillations in Multiparticle Production Processes. In ENTROPY. ISSN 1099-4300, 2017, vol.

19, no. 12, art. no. 670., Registrované v: WOS

75. [1.1] WILK, Grzegorz - WLODARCZYK, Zbigniew. Some intriguing aspects of multiparticle production processes. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 10, art. no. 1830008., Registrované v: WOS

76. [1.1] WILK, G. - WLODARCZYK, Z. Temperature oscillations and sound waves in hadronic matter. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2017, vol. 486, pp. 579-586., Registrované v: WOS

77. [1.1] WONG, Cheuk-Yin - WILK, Grzegorz - CIRTO, Leonardo J. L. - TSALLIS, Constantino. From QCD-based hard-scattering to nonextensive statistical mechanical descriptions of transverse momentum spectra in high-energy pp and p(p)over-bar collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 11, art. no. 114027., Registrované v: WOS

78. [1.1] WONG, Cheuk-Yin - WILK, Grzegorz - CIRTO, Leonardo J. L. - TSALLIS, Constantino. Possible Implication of a Single Nonextensive p(T) Distribution for Hadron Production in High-Energy pp Collisions. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. 04002., Registrované v: WOS

79. [1.1] YALCIN, G. Cigdem - BECK, Christian. Generalized statistical mechanics of cosmic rays: Application to positron-electron spectral indices. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2018, vol. 8, art. no. 1764., Registrované v: WOS

80. [1.1] ZBOROVSKY, I. Three-component multiplicity distribution, oscillation of combinants and properties of clans in pp collisions at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 10, art. no. 816., Registrované v: WOS

81. [1.1] ZHAO, Y.P. Thermodynamic properties and transport coefficients of QCD matter within the nonextensive Polyakov-Nambu-Jona-Lasinio model. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 11 2020, vol. 101, no. 9., Registrované v: WOS

ADCA234 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Charged-particle multiplicities in proton-proton collisions at root s=0.9 to 8 TeV. In *European Physical Journal C*, 2017, vol. 77, no. 1, art. no. 33. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4571-1>

Ohlasy:

1. [1.1] ALBACETE, Javier L. - PETERSEN, Hannah - SOTO-ONTOSO, Alba. Correlated wounded hot spots in proton-proton interactions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 064909., Registrované v: WOS

2. [1.1] BEGGIO, P.C. - CORIOLANO, F.R. Energy dependence of the inelasticity in pp/p(p)over-bar collisions from experimental information on charged particle multiplicity distributions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 18 2020, vol. 80, no. 5., Registrované v:

WOS

3. [1.1] KANAKUBO, Y. - TACHIBANA, Y. - HIRANO, T. Unified description of hadron yield ratios from dynamical core-corona initialization. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 24 2020, vol. 101, no. 2., Registrované v: WOS
4. [1.1] KHAN, R. - AJAZ, M. Model predictions of charge particle densities and multiplicities in the forward region at 7 TeV. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, JUL 30 2020, vol. 35, no. 23., Registrované v: WOS
5. [1.1] LACEY, Roy - LIU, Peifeng - MAGDY, Niseem - CSANAD, Mate - SCHWEID, Benjamin - AJITANAND, Nuggehalli N. - ALEXANDER, John - PAK, Robert. Scaling Properties of the Mean Multiplicity and Pseudorapidity Density in e(-). In UNIVERSE. ISSN 2218-1997, 2018, vol. 4, no. 1, art. no. 22., Registrované v: WOS
6. [1.1] OSADA, Takeshi - KUMAOKA, Takuya. Saturation momentum scale extracted from semi-inclusive transverse spectra in high-energy pp collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 3., Registrované v: WOS
7. [1.1] PLUMBERG, C. Hanbury-Brown-Twiss interferometry and collectivity in p plus p, p plus Pb, and Pb plus Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 13 2020, vol. 102, no. 5., Registrované v: WOS
8. [1.1] TRAINOR, Thomas A. Comparing the PYTHIA Monte Carlo to a two-component (soft plus hard) model of hadron production in high-energy p-p collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, 2019, vol. 28, no. 4., Registrované v: WOS
9. [1.1] ZAKHAROV, B. G. Monte Carlo Glauber model with meson cloud: predictions for 5.44 TeV Xe + Xe collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 5, art. no. 427., Registrované v: WOS
10. [1.1] ZBOROVSKY, I. Three-component multiplicity distribution, oscillation of combinants and properties of clans in pp collisions at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 10, art. no. 816., Registrované v: WOS

ADCA235 AAMODT, K. - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - ŠÁNDOR, Ladislav - VAĽA, Martin. Charged-Particle Multiplicity Density at Midrapidity in Central Pb-Pb Collisions at $\sqrt{s(NN)}=2.76$ TeV. In *Physical Review Letters*, 2010, vol. 105, no. 25, art. no. 252301. (2009: 7.328 - IF, 6.325 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.105.252301>

Ohlasy:

1. [1.1] AREF'EVA, Irina. Holography for Heavy Ions Collisions at LHC and NICA. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 01014., Registrované v: WOS
2. [1.1] BHADURY, S. - KURIAN, M. - CHANDRA, V. - JAISWAL, A. First order dissipative hydrodynamics and viscous corrections to the entropy four-current from an effective covariant kinetic theory. In JOURNAL OF

PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, AUG 2020, vol. 47, no. 8., Registrované v: WOS

3. [1.1] BLAIZOT, Jean-Paul. High gluon densities in heavy ion collisions. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2017, vol. 80, no. 3, art. no. 032301., Registrované v: WOS

4. [1.1] BUSZA, Wit - RAJAGOPAL, Krishna - VAN DER SCHEE, Wilke. Heavy Ion Collisions: The Big Picture and the Big Questions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 68. ISSN 0163-8998, 2018, vol. 68, pp. 339-376., Registrované v: WOS

5. [1.1] CARON-HUOT, Simon. When does the gluon reggeize? In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 5, art. no. 093., Registrované v: WOS

6. [1.1] CASTORINA, Paolo - SATZ, Helmut. Strangeness production in AA and pp collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 7, art. no. 200., Registrované v: WOS

7. [1.1] CASTORINA, P. - PLUMARI, S. - SATZ, H. Universal strangeness production in hadronic and nuclear collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 8, art. no. 1650058., Registrované v: WOS

8. [1.1] CASTORINA, P. - PLUMARI, S. - SATZ, H. Strangeness production and color deconfinement. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2017, vol. 26, no. 12, art. no. 1175008., Registrované v: WOS

9. [1.1] CASTORINA, P. - PLUMARI, S. - SATZ, H. strangeness production and color deconfinement (vol 26, 1750081, 2017). In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2018, vol. 27, no. 4, art. no. 1891001., Registrované v: WOS

10. [1.1] CUAUTLE FLORES, Eleazar. Are the collective phenomena a universal feature of the hadronic matter created in p-p, p-A and A-A colliding systems? In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 7, art. no. 1642007., Registrované v: WOS

11. [1.1] DAS, Sruthy Jyothi - GIACALONE, Giuliano - MONARD, Pierre-Amaury - OLLITRAULT, Jean-Yves. Relating centrality to impact parameter in nucleus-nucleus collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 1, art. no. 014905., Registrované v: WOS

12. [1.1] DJORDJEVIC, Magdalena - DJORDJEVIC, Marko. Predictions of heavy-flavor suppression at 5.1 TeV Pb+Pb collisions at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 2, art. no. 024918., Registrované v: WOS

13. [1.1] FELIPE DIAZ-CARDENAS, Alfonso - DEL RAYO SANKEY-GARCIA, Maria - DIAZ-FURLONG, Alfonso - ADRIAN DIAZ-FURLONG, Hector - XOXOCOTZI-AGUILAR, Reyna - JAIME VAZQUEZ-LOPEZ, Jose - APAM-GARCIA, Cynthia. Characteristics of the scientific production of Puebla institutions indexed in the Web of Science. In INVESTIGACION BIBLIOTECOLOGICA. ISSN 0187-358X, 2017, pp. 43-77., Registrované v: WOS

14. [1.1] FRASSINO, Antonia M. - BLEICHER, Marcus - MANN, Robert B. Unruh thermal hadronization and the cosmological constant. In

PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 780, pp. 93-99.,

Registrované v: WOS

15. [1.1] HABICH, M. - NAGLE, J. L. - ROMATSCHKE, P. Particle spectra and HBT radii for simulated central nuclear collisions of C plus C, Al plus Al, Cu plus Cu, Au plus Au, and Pb plus Pb from $\sqrt{s}=62.4-2760$ GeV. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 1, art. no. 15., Registrované v: WOS

16. [1.1] CHANDRA, Vinod - SREEKANTH, V. Impact of momentum anisotropy and turbulent chromo-fields on thermal particle production in quark-gluon-plasma medium. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 6, art. no. 427., Registrované v: WOS

17. [1.1] JAISWAL, Amaresh - ROY, Victor. Relativistic Hydrodynamics in Heavy-Ion Collisions: General Aspects and Recent Developments. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 9623034., Registrované v: WOS

18. [1.1] JAMAL, M.Y. - CHANDRA, V. Energy loss of heavy quarks in the isotropic collisional hot QCD medium. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 2019, vol. 79, no. 9., Registrované v: WOS

19. [1.1] JAMAL, M.Y. - MITRA, S. - CHANDRA, V. Optical properties of an anisotropic hot QCD medium. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, MAR 2020, vol. 47, no. 3., Registrované v: WOS

20. [1.1] KURIAN, Manu - CHANDRA, Vinod. Effective description of hot QCD medium in strong magnetic field and longitudinal conductivity. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 114026., Registrované v: WOS

21. [1.1] KURIAN, Manu - CHANDRA, Vinod. Bulk viscosity of a hot QCD medium in a strong magnetic field within the relaxation-time approximation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 116008., Registrované v: WOS

22. [1.1] KURIAN, M. - DAS, S.K. - CHANDRA, V. Heavy quark dynamics in a hot magnetized QCD medium. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 4 2019, vol. 100, no. 7., Registrované v: WOS

23. [1.1] KURIAN, M. - CHANDRA, V. Longitudinal conductivity of hot magnetized collisional QCD medium in the inhomogeneous electric field. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 24 2019, vol. 99, no. 11., Registrované v: WOS

24. [1.1] KURIAN, M. - MITRA, S. - GHOSH, S. - CHANDRA, V. Transport coefficients of hot magnetized QCD matter beyond the lowest Landau level approximation. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 13 2019, vol. 79, no. 2., Registrované v: WOS

25. [1.1] KURIAN, M. - SINGH, M. - CHANDRA, V. - JEON, S. - GALE, C. Charm quark dynamics in quark-gluon plasma with 3+1D viscous hydrodynamics. In PHYSICAL REVIEW C. ISSN 0556-2813, OCT 19 2020, vol. 102, no. 4., Registrované v: WOS

26. [1.1] KURKELA, A. - MAZELIAUSKAST, A. - PAQUET, J.F. - SCHLICHTING, S. - TEANEY, D. Effective kinetic description of event-by-event pre-equilibrium dynamics in high-energy heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, MAR 27 2019, vol. 99, no. 3., Registrované v: WOS

27. [1.1] KURKELA, A. - MAZELIAUSKAS, A. - PAQUET, J.F. - SCHLICHTING, S. - TEANEY, D. Matching the Nonequilibrium Initial Stage of Heavy Ion Collisions to Hydrodynamics with QCD Kinetic Theory. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, MAR 27 2019, vol. 122, no. 12., Registrované v: WOS
28. [1.1] MARTINEZ TORRES, A. - KHEMCHANDANI, K. P. - ABREU, L. M. - NAVARRA, F. S. - NIELSEN, M. Absorption and production cross sections of K and K*. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 056001., Registrované v: WOS
29. [1.1] MITRA, Sukanya - CHANDRA, Vinod. Covariant kinetic theory for effective fugacity quasiparticle model and first order transport coefficients for hot QCD matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 034032., Registrované v: WOS
30. [1.1] NIEMI, H. - ESKOLA, K. J. - PAATELAINEN, R. Event-by-event fluctuations in a perturbative QCD plus saturation plus hydrodynamics model: Determining QCD matter shear viscosity in ultrarelativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 2, art. no. 024907., Registrované v: WOS
31. [1.1] NORONHA-HOSTLER, Jacquelyn - LUZUM, Matthew - OLLITRAULT, Jean-Yves. Hydrodynamic predictions for 5.02 TeV Pb-Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 3, art. no. 034912., Registrované v: WOS
32. [1.1] NOUICER, R. New state of nuclear matter: Nearly perfect fluid of quarks and gluons in heavy-ion collisions at RHIC energies. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2016, vol. 131, no. 3, art. no. 70., Registrované v: WOS
33. [1.1] PARI, Sharareh Mehrabi - JAVIDAN, Kurosh - SHAHRI, Fatemeh Taghavi. Viscosity to entropy ratio of QGP in relativistic heavy ion collision: Hard thermal loop corrections. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 6, art. no. 1650040., Registrované v: WOS
34. [1.1] PETRUKHIN, A.A. - SOZINOV, E.S. - SHUTENKO, V.V. Possible approach to the analysis of nucleus-nucleus interactions at very high energies. In 26TH EXTENDED EUROPEAN COSMIC RAY SYMPOSIUM. ISSN 1742-6588, 2019, vol. 1181., Registrované v: WOS
35. [1.1] REIS, Daniel M. - REYES-GOMEZ, Ernesto - OLIVEIRA, Luiz E. - DE CARVALHO, Carlos A. A. Electromagnetic Propagation in a Relativistic Electron Gas at Finite Temperatures. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2018, vol. 530, no. 7, art. no. 1700443., Registrované v: WOS
36. [1.1] REZAEIAN, Amir H. Photon-jet ridge at RHIC and the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 094030., Registrované v: WOS
37. [1.1] SANCHES, S. M. - FOGACA, D. A. - NAVARRA, F. S. - MARROCHIO, H. Cavitation in a quark gluon plasma with finite chemical potential and several transport coefficients. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 2, art. no. 025204., Registrované v: WOS
38. [1.1] SATZ, Helmut. Strangeness Suppression and Color Deconfinement. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 02005., Registrované v: WOS

39. [1.1] SATZ, Helmut. The Fireball Paradigm. In EXTREME STATES OF MATTER IN STRONG INTERACTION PHYSICS: AN INTRODUCTION, 2ND EDITION. ISSN 0075-8450, 2018, vol. 945, pp. 209-238., Registrované v: WOS
40. [1.1] SETHY, P.K. - KUMAR, Y. - SINGH, S.S. Dilepton production rate calculation using MEQM in heavy-ion collision. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, JUL 30 2020, vol. 35, no. 21., Registrované v: WOS
41. [1.1] SIASOS, Gerasimos - TSIGKOU, Vicky - OIKONOMOU, Evangelos - ZAROMITIDOU, Marina - TSALAMANDRIS, Sotiris - MOUROUZIS, Konstantinos - VAVURANAKIS, Manolis - ANASTASIOU, Maria - VLASIS, Konstantinos - LIMPERI, Maria - GENNIMATA, Vasiliki - BOLETIS, John N. - PAPAVALASSIOU, Athanasios G. - TOUSOULIS, Dimitris. Circulating Biomarkers Determining Inflammation in Atherosclerosis Progression. In CURRENT MEDICINAL CHEMISTRY. ISSN 0929-8673, 2015, vol. 22, no. 22, pp. 2619-2635., Registrované v: WOS
42. [1.1] SOYEZ, G. Pileup mitigation at the LHC: A theorist's view. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, APR 25 2019, vol. 803, p. 1-158., Registrované v: WOS
43. [1.1] STEINBERG, Peter. PHOBOS in the LHC era. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 352, pp. 84-95., Registrované v: WOS
44. [1.1] TAGHAVI, Seyed Farid - WIEDEMANN, Urs Achim. Chiral magnetic wave in an expanding QCD fluid. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 2, art. no. 024902., Registrované v: WOS
45. [1.1] XU, R. Data structure in the HIJING 2.0 Monte Carlo program. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, JUL 2019, vol. 28, no. 7., Registrované v: WOS
46. [1.1] ZHANG, S. - MA, Y. G. - CHEN, J. H. - ZHONG, C. Beam Energy Dependence of Hanbury-Brown-Twiss Radii from a Blast-Wave Model. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 9414239., Registrované v: WOS
47. [1.1] ZHANG, Y. - YANG, J. - WU, W.H. Effect of in-medium mass-shift on transverse-momentum spectrum and elliptic anisotropy of phi meson. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, JUL 2020, vol. 29, no. 7., Registrované v: WOS

ADCA236 AAMODT, K. - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - PASTIRČÁK, Blahoslav - ŠÁNDOR, Ladislav - VALA, Martin. Charged-particle multiplicity measurement in proton-proton collisions at root s=7 TeV with ALICE at LHC. In *European Physical Journal C*, 2010, vol. 68, no. 3-4, p. 345-354. (2009: 2.746 - IF, Q2 - JCR, 1.859 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-010-1350-2>

Ohlasy:

1. [1.1] ABDEL-WAGED, Khaled - FELEMBAN, Nuha. Interpretation of charged-particle spectra in p plus p and p plus Pb collisions at energies available at the CERN Large Hadron Collider using an improved HIJING code with a collective cascade. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 3, art. no. 034908., Registrované v: WOS
2. [1.1] ADRIANI, O. - BERTI, E. - BONECHI, L. - BONGI, M. -

- D'ALESSANDRO, R. - DETTI, S. - HAGUENAUER, M. - ITOW, Y. - KASAHARA, K. - MENJO, H. - MURAKI, Y. - OHASHI, K. - PAPINI, P. - RICCIARINI, S. - SAKO, T. - SAKURAI, N. - SATO, K. - TAMURA, T. - TIBERIO, A. - TORII, S. - TRICOMI, A. - TURNER, W.C. - UENO, M. Measurement of energy flow, cross section and average inelasticity of forward neutrons produced in $\sqrt{s}=13$ TeV proton-proton collisions with the LHCf Arm2 detector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 2 2020, no. 7., Registrované v: WOS
3. [1.1] AGGARWAL, R. - KAUR, M. Comparative study of charged multiplicities and moments in pp collisions at $\sqrt{s}=7$ TeV in the forward region at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 9 2020, vol. 102, no. 5., Registrované v: WOS
4. [1.1] ALBACETE, Javier L. - PETERSEN, Hannah - SOTO-ONTOSO, Alba. Correlated wounded hot spots in proton-proton interactions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 064909., Registrované v: WOS
5. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
6. [1.1] BELLM, J. - GIESEKE, S. - KIRCHGAESSER, P. Improving the description of multiple interactions in Herwig. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 25 2020, vol. 80, no. 5., Registrované v: WOS
7. [1.1] BIYAJIMA, Minoru - MIZOGUCHI, Takuya. Analyses of multiplicity distributions and Bose-Einstein correlations at the LHC using negative binomial distribution and generalized Glauber-Lachs formula. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 6, art. no. 105., Registrované v: WOS
8. [1.1] BROOKS, Helen - SKANDS, Peter. Average event properties from LHC to FCC-hh. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 11, art. no. 963., Registrované v: WOS
9. [1.1] FELIPE DIAZ-CARDENAS, Alfonso - DEL RAYO SANKEY-GARCIA, Maria - DIAZ-FURLONG, Alfonso - ADRIAN DIAZ-FURLONG, Hector - XOXOCOTZI-AGUILAR, Reyna - JAIME VAZQUEZ-LOPEZ, Jose - APAM-GARCIA, Cynthia. Characteristics of the scientific production of Puebla institutions indexed in the Web of Science. In INVESTIGACION BIBLIOTECOLOGICA. ISSN 0187-358X, 2017, pp. 43-77., Registrované v: WOS
10. [1.1] GIESEKE, Stefan - KIRCHGAESSER, Patrick - PLAETZER, Simon. Baryon production from cluster hadronisation. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 2, art. no. 99., Registrované v: WOS
11. [1.1] GOTSMAN, E. - LEVIN, E. - MAOR, U. CGC/saturation approach for soft interactions at high energy: Inclusive production. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 746, pp. 154-158., Registrované v: WOS
12. [1.1] HABICH, M. - NAGLE, J. L. - ROMATSCHKE, P. Particle spectra and HBT radii for simulated central nuclear collisions of C plus C, Al plus Al, Cu plus Cu, Au plus Au, and Pb plus Pb from $\sqrt{s}=62.4-2760$ GeV. In

- EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 1, art. no. 15., Registrované v: WOS
13. [1.1] KHAN, R. - AJAZ, M. Model predictions of charge particle densities and multiplicities in the forward region at 7 TeV. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, JUL 30 2020, vol. 35, no. 23., Registrované v: WOS
14. [1.1] KURKELA, A. - MAZELIAUSKAS, A. - PAQUET, J.F. - SCHLICHTING, S. - TEANEY, D. Matching the Nonequilibrium Initial Stage of Heavy Ion Collisions to Hydrodynamics with QCD Kinetic Theory. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, MAR 27 2019, vol. 122, no. 12., Registrované v: WOS
15. [1.1] LIN, Su-Jie - BI, Xiao-Jun - FENG, Jie - YIN, Peng-Fei - YU, Zhao-Huan. Systematic study on the cosmic ray antiproton flux. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 12, art. no. 123010., Registrované v: WOS
16. [1.1] PIEROG, Tanguy - ENGEL, Ralph - HECK, Dieter - POGHOSYAN, Gevorg. Future of Monte Carlo simulations of atmospheric showers. In ATMOHEAD 2014: ATMOSPHERIC MONITORING FOR HIGH ENERGY ASTROPARTICLE DETECTORS. ISSN 2100-014X, 2015, vol. 89, art. no. 01003., Registrované v: WOS
17. [1.1] PIEROG, T. - KARPENKO, Iu. - KATZY, J. M. - YATSENKO, E. - WERNER, K. EPOS LHC: Test of collective hadronization with data measured at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 92, no. 3, art. no. 034906., Registrované v: WOS
18. [1.1] SUPANITSKY, A. D. - ETCHEGOYEN, A. - MELO, D. - SANCHEZ, F. A composition dependent energy scale and the determination of the cosmic ray primary mass in the ankle region. In ASTROPARTICLE PHYSICS. ISSN 0927-6505, 2015, vol. 68, pp. 7-15., Registrované v: WOS
19. [1.1] VON DOETINCHEM, P. - PEREZ, K. - ARAMAKI, T. - BAKER, S. - BARWICK, S. - BIRD, R. - BOEZIO, M. - BOGGS, S.E. - CUI, M. - DATTA, A. - DONATO, F. - EVOLI, C. - FABRIS, L. - FABBIETTI, L. - BUENO, E.F. - FORNENGO, N. - FUKU, H. - GERRITY, C. - CORAL, D.G. - HAILEY, C. - HOOPER, D. - KACHELRIESS, M. - KORSMEIER, M. - KOZAI, M. - LEA, R. - LI, N. - LOWELL, A. - MANGHISONI, M. - MOSKALENKO, I.V. - MUNINI, R. - NASKRET, M. - NELSON, T. - NG, K.C.Y. - NOZZOLI, F. - OLIVA, A. - ONG, R.A. - OSTERIA, G. - PIEROG, T. - POULIN, V. - PROFUMO, S. - POSCHL, T. - QUINN, S. - RE, V. - ROGERS, F. - RYAN, J. - SAFFOLD, N. - SAKAI, K. - SALATI, P. - SCHAEEL, S. - SERKSNYTE, L. - SHUKLA, A. - STOESSL, A. - TJEMSLAND, J. - VANNUCCINI, E. - VECCHI, M. - WINKLER, M.W. - WRIGHT, D. - XIAO, M. - XU, W. - YOSHIDA, T. - ZAMPA, G. - ZUCCON, P. Cosmic-ray antinuclei as messengers of new physics: status and outlook for the new decade. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, AUG 2020, no. 8., Registrované v: WOS
20. [1.1] WANG HONG-MIN - HOU ZHAO-YU - SUN XIAN-JING. Energy dependent growth of nucleon and inclusive charged hadron distributions. In CHINESE PHYSICS C. ISSN 1674-1137, 2015, vol. 39, no. 11, art. no. 114105., Registrované v: WOS
21. [1.1] ZHANG, S. - MA, Y. G. - CHEN, J. H. - ZHONG, C.

Production of Kaon and Lambda in Nucleus-Nucleus Collisions at Ultrarelativistic Energy from a Blast-Wave Model. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 460590., Registrované v: WOS

- ADCA237 AAMODT, K. - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - PASTIRČÁK, Blahoslav - ŠÁNDOR, Ladislav - VALA, Martin. Charged-particle multiplicity measurement in proton-proton collisions at $\sqrt{s}=0.9$ and 2.36 TeV with ALICE at LHC. In *European Physical Journal C*, 2010, vol. 68, no. 1-2, p. 89-108. (2009: 2.746 - IF, Q2 - JCR, 1.859 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-010-1339-x>
- Ohlasy:
1. [1.1] ABDEL-WAGED, Khaled - FELEMBAN, Nuha. Interpretation of charged-particle spectra in p plus p and p plus Pb collisions at energies available at the CERN Large Hadron Collider using an improved HIJING code with a collective cascade. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 3, art. no. 034908., Registrované v: WOS
 2. [1.1] AGGARWAL, R. - KAUR, M. Compelling Evidence of Oscillatory Behaviour of Hadronic Multiplicities in the Shifted Gompertz Distribution. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, FEB 21 2020, vol. 2020., Registrované v: WOS
 3. [1.1] ALKIN, A. PHENOMENOLOGY OF CHARGED-PARTICLE MULTIPLICITY DISTRIBUTIONS. In UKRAINIAN JOURNAL OF PHYSICS. ISSN 2071-0186, 2017, vol. 62, no. 9, pp. 743-756., Registrované v: WOS
 4. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
 5. [1.1] DURAES, F. O. - GIANNINI, A. V. - GONCALVES, V. P. - NAVARRA, F. S. Testing the running coupling $k(T)$ -factorization formula for the inclusive gluon production. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 054023., Registrované v: WOS
 6. [1.1] D'ENTERRIA, David - PIEROG, Tanguy. Global properties of proton-proton collisions at $\sqrt{s}=100$ TeV. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 8, art. no. 170., Registrované v: WOS
 7. [1.1] FELIPE DIAZ-CARDENAS, Alfonso - DEL RAYO SANKEY-GARCIA, Maria - DIAZ-FURLONG, Alfonso - ADRIAN DIAZ-FURLONG, Hector - XOXOCOTZI-AGUILAR, Reyna - JAIME VAZQUEZ-LOPEZ, Jose - APAM-GARCIA, Cynthia. Characteristics of the scientific production of Puebla institutions indexed in the Web of Science. In INVESTIGACION BIBLIOTECOLOGICA. ISSN 0187-358X, 2017, pp. 43-77., Registrované v: WOS
 8. [1.1] GOTSMAN, Errol. A Model for Soft Interactions based on the CGC/Saturation Approach and the BFKL Pomeron. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 01002., Registrované v: WOS
 9. [1.1] GOTSMAN, E. - LEVIN, E. - MAOR, U. CGC/saturation approach for soft interactions at high energy: Inclusive production. In PHYSICS

LETTERS B. ISSN 0370-2693, 2015, vol. 746, pp. 154-158., Registrované v: WOS

10. [1.1] GOTSMAN, E. - LEVIN, E. - POTASHNIKOVA, I. A
CGC/saturation approach for angular correlations in proton-proton scattering. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 632., Registrované v: WOS

11. [1.1] KHAN, R. - AJAZ, M. - ALI, Y. - YOUNIS, H. - KHAN, G. - WAZIR, Z. - ZAMAN, A. - KHAN, A. Model Predictions of Charged-Particle Azimuthal Distributions and Forward-Backward Correlations in pp Interactions at root s=900 GeV. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, OCT 2019, vol. 71, no. 10, p. 1172-1178., Registrované v: WOS

12. [1.1] KHAN, R. - AJAZ, M. Model predictions of charge particle densities and multiplicities in the forward region at 7 TeV. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, JUL 30 2020, vol. 35, no. 23., Registrované v: WOS

13. [1.1] LACEY, Roy - LIU, Peifeng - MAGDY, Niseem - CSANAD, Mate - SCHWEID, Benjamin - AJITANAND, Nuggehalli N. - ALEXANDER, John - PAK, Robert. Scaling Properties of the Mean Multiplicity and Pseudorapidity Density in e(-). In UNIVERSE. ISSN 2218-1997, 2018, vol. 4, no. 1, art. no. 22., Registrované v: WOS

14. [1.1] MORELAND, J. Scott - BERNHARD, Jonah E. - BASS, Steffen A. Alternative ansatz to wounded nucleon and binary collision scaling in high-energy nuclear collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 1, art. no. 011901., Registrované v: WOS

15. [1.1] OKOROKOV, V. A. Geometry and Space-Time Extent of Pion Emission Region at FCC Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 5972709., Registrované v: WOS

16. [1.1] OSADA, Takeshi - ISHIHARA, Masamichi. Event-by-event mean p(T) fluctuations and transverse size of color flux tube generated in p-p collisions at root s=0.90 TeV. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 1, art. no. 015104., Registrované v: WOS

17. [1.1] SHABELSKI, Yu M. - SHUVAEV, A. G. Midrapidity inclusive densities in high energy pp collisions in additive quark model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 8, art. no. 470., Registrované v: WOS

18. [1.1] TU, Z.D.M. - KHARZEEV, D.E. - ULLRICH, T. Einstein-Podolsky-Rosen Paradox and Quantum Entanglement at Subnucleonic Scales. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, FEB 14 2020, vol. 124, no. 6., Registrované v: WOS

19. [1.1] ZAKHAROV, B. G. Multiplicity Density at Mid-Rapidity in AA Collisions: Effect of Meson Cloud. In JETP LETTERS. ISSN 0021-3640, 2016, vol. 104, no. 1, pp. 6-11., Registrované v: WOS

ADCA238 ACHARYA, S. - ADAMOVÁ, D. - ADHYA, S.P. - ADLER, A. - ADOLFSSON, J. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Charged-particle production as a function of multiplicity and transverse sphericity in pp collisions at root s=5.02 and 13 TeV. In *European Physical Journal C*, 2019, vol. 79, no. 10, art. no. 857. (2018: 4.843 - IF,

Q1 - JCR, 1.972 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-019-7350-y>

Ohlasy:

1. [1.1] DEPPMAN, A. - MEGIAS, E. - MENEZES, D.P. Fractal Structures of Yang-Mills Fields and Non-Extensive Statistics: Applications to High Energy Physics. In PHYSICS. SEP 2020, vol. 2, no. 3, p. 455-480., Registrované v: WOS

ADCA239 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Charge-dependent flow and the search for the chiral magnetic wave in Pb-Pb collisions at root S-NN=2.76 TeV. In *Physical Review C*, 2016, vol. 93, no. 4, art. no. 044903. (2015: 3.146 - IF, Q2 - JCR, 1.993 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.93.044903>

Ohlasy:

1. [1.1] BU, Yanyan - DEMIRCIK, Tuna - LUBLINSKY, Michael. Gradient resummation for nonlinear chiral transport: an insight from holography. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 1., Registrované v: WOS
2. [1.1] DIAMANTINI, M. Cristina - KHARZEEV, Dmitri - MOLOCHKOV, Alexander - SCHAFER, Thomas - SULEJMANPASIC, Tin. Round table: What can we learn about confinement and anomalous effects in QCD using analog systems? In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. 01002., Registrované v: WOS
3. [1.1] HATTORI, Koichi - HUANG, Xu-Guang. Novel quantum phenomena induced by strong magnetic fields in heavy-ion collisions. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2017, vol. 28, no. 2, art. no. 26., Registrované v: WOS
4. [1.1] IMAKI, S. Chiral magnetic effect in the hadronic phase. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 20 2020, vol. 101, no. 7., Registrované v: WOS
5. [1.1] KHARZEEV, Dmitri E. Chiral magnetic superconductivity. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. 01011., Registrované v: WOS
6. [1.1] KHARZEEV, Dmitri - STEPHANOV, Mikhail - YEE, Ho-Ung. Anatomy of the chiral magnetic effect in and out of equilibrium. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 051901., Registrované v: WOS
7. [1.1] LIU, Y.C. - HUANG, X.G. Anomalous chiral transports and spin polarization in heavy-ion collisions. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, MAY 23 2020, vol. 31, no. 6., Registrované v: WOS
8. [1.1] LI, W. - WANG, G. Chiral Magnetic Effects in Nuclear Collisions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 293-321., Registrované v: WOS
9. [1.1] MAGDY, N. - NIE, M.W. - HUANG, L. - MA, G.L. - LACEY,

- R.A. An extended R-Psi $m((2))$ ($\Delta S=2$) correlator for detecting and characterizing the Chiral Magnetic Wave. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS
10. [1.1] MOGHADDAM, M. Haddadi - AZADEGAN, B. - KORD, A. F. - ALBERICO, W. M. Non-relativistic approximate numerical ideal-magneto-hydrodynamics of (1+1D) transverse flow in Bjorken scenario. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 255., Registrované v: WOS
11. [1.1] OKOROKOV, V. A. Chiral Effects in Nucleus-Nucleus Collisions: Experimental Review. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2017, vol. 80, no. 6, pp. 1133-1140., Registrované v: WOS
12. [1.1] PARK, Sang Eon. Charge asymmetry dependence of anisotropic flow in pPb and PbPb collisions with the CMS experiment. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 345-348., Registrované v: WOS
13. [1.1] RYBALKO, D. O. - GORBAR, E. V. - SHOVKOVY, I. A. Hydrodynamic modes in a magnetized chiral plasma with vorticity. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 1., Registrované v: WOS
14. [1.1] SHEN, Diyu - CHEN, Jinhui - MA, Guoliang - MA, Yu-Gang - SHOU, Qiye - ZHANG, Song - ZHONG, Chen. Charge asymmetry dependence of flow and a novel correlator to detect the chiral magnetic wave in a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 6., Registrované v: WOS
15. [1.1] SCHENKE, Bjorn - SHEN, Chun - TRIBEDY, Prithwish. Multiparticle and charge-dependent azimuthal correlations in heavy-ion collisions at the Relativistic Heavy-Ion Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4., Registrované v: WOS
16. [1.1] SOZZI, M.S. Tests of discrete symmetries. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JAN 2020, vol. 47, no. 1., Registrované v: WOS
17. [1.1] TRIBEDY, P. Status of CME Search Before Isobar Collisions and Methods of Blind Analysis From STAR. In 36TH WINTER WORKSHOP ON NUCLEAR DYNAMICS. ISSN 1742-6588, 2020, vol. 1602., Registrované v: WOS
18. [1.1] WANG, Gang. Experimental Overview of the Search for Chiral Effects at RHIC. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. 012013., Registrované v: WOS
19. [1.1] XU, H.J. - ZHAO, J. - FENG, Y.C. - WANG, F.Q. Complications in the interpretation of the charge-asymmetry-dependent π flow for the chiral magnetic wave. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 24 2020, vol. 101, no. 1., Registrované v: WOS
20. [1.1] YE, Y. J. - MA, Y. G. - TANG, A. H. - WANG, G. Effect of magnetic fields on pairs of oppositely charged particles in ultrarelativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4., Registrované v: WOS
21. [1.1] ZHAO, Jie - WANG, Fuqiang. Experimental searches for the chiral magnetic effect in heavy-ion collisions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 107, pp. 200-236.,

Registrované v: WOS

22. [1.1] ZHOU, Wen-Hao - XU, Jun. Simulating chiral anomalies with spin dynamics. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 798., Registrované v: WOS

ADCA240 ABBAS, E. - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Charmonium and $e^{+}e^{-}$ pair photoproduction at mid-rapidity in ultra-peripheral Pb-Pb collisions at root $s(NN)=2.76$ TeV. In *European Physical Journal C*, 2013, vol. 73, no. 11, art. no. 2617. (2012: 5.247 - IF, Q1 - JCR, 3.034 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-013-2617-1>

Ohlasy:

1. [1.1] AZEVEDO, C. - GONCALVES, V.P. - MOREIRA, B.D.

Exclusive dilepton production in ultraperipheral PbPb collisions at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 22 2019, vol. 79, no. 5., Registrované v: WOS

2. [1.1] AZEVEDO, C. - GONCALVES, V.P. - MOREIRA, B.D. True muonium production in ultraperipheral PbPb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 25 2020, vol. 101, no. 2., Registrované v: WOS

3. [1.1] COELHO, R.O. - GONCALVES, V.P. Exclusive $Z(0)$ photoproduction at the Large Hadron Collider and the Future Circular Collider. In NUCLEAR PHYSICS B. ISSN 0550-3213, JUL 2020, vol. 956., Registrované v: WOS

4. [1.1] DREMIN, I.M. Thresholds of ultraperipheral processes. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, JUN 30 2020, vol. 35, no. 18., Registrované v: WOS

5. [1.1] DREMIN, I.M. Ultraperipheral nuclear interactions. In PHYSICS-USPEKHI. ISSN 1063-7869, 2020, vol. 63, no. 8, p. 758-765., Registrované v: WOS

6. [1.1] DREMIN, I.M. Ultraperipheral vs. Ordinary Nuclear Interactions. In UNIVERSE. JAN 2020, vol. 6, no. 1., Registrované v: WOS

7. [1.1] FRANKFURT, L. - GUZEY, V. - STRIKMAN, M. Dynamical model of antishadowing of the nuclear gluon distribution. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 5, art. no. 055208., Registrované v: WOS

8. [1.1] FU, Qiang - CHEN, Xurong. Coherent photoproduction of J/ψ and (sic) mesons in pp and PbPb ultraperipheral collisions from dynamical gluon distributions. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 11, art. no. 114105., Registrované v: WOS

9. [1.1] GAY DUCATI, M. B. - KOPP, F. - MACHADO, M. V. T. - MARTINS, S. Photoproduction of upsilon states in ultraperipheral collisions at the CERN Large Hadron Collider within the color dipole approach. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 094023., Registrované v: WOS

10. [1.1] GIL DA SILVEIRA, G. - GONCALVES, V. P. - JAIME, M. M. Exclusive vector meson photoproduction at the LHC and a future circular collider: A closer look on the final state. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034020., Registrované v: WOS

11. [1.1] GONCALVES, V. P. Investigating the transverse single spin

- asymmetry in the inelastic J/Psi photoproduction in p(up arrow)p and p(up arrow)A collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 014001., Registrované v: WOS
12. [1.1] GONCALVES, V. P. - DA SILVEIRA, G. G. Probing the photon flux in the diffractive quarkonium photoproduction at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 054013., Registrované v: WOS
13. [1.1] GONCALVES, V. P. - JAIME, M. M. Exclusive vector meson photoproduction in fixed-target collisions at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 693., Registrované v: WOS
14. [1.1] GONCALVES, V. P. - JAIME, M. M. - MARTINS, D. E. - RANGEL, M. S. Exclusive and diffractive $\mu^{(+)}\mu^{(-)}$ production in pp collisions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 074024., Registrované v: WOS
15. [1.1] GONCALVES, V. P. - MOREIRA, B. D. - NAVARRA, F. S. Exclusive Upsilon photoproduction in hadronic collisions at CERN LHC energies. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 742, pp. 172-177., Registrované v: WOS
16. [1.1] GONCALVES, V. P. - MOREIRA, B. D. - NAVARRA, F. S. Diffractive photoproduction of J/psi at LHC energies. In XXXVII BRAZILIAN MEETING ON NUCLEAR PHYSICS. ISSN 1742-6588, 2015, vol. 630, art. no. 012061., Registrované v: WOS
17. [1.1] GONCALVES, V. P. - MOREIRA, B. D. - NAVARRA, F. S. Double vector meson production in gamma gamma interactions at hadronic colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 3, art. no. 103., Registrované v: WOS
18. [1.1] GONCALVES, V. P. - MARTINS, L. A. S. - SAUTER, W. K. Probing the gluon density of the proton in the exclusive photoproduction of vector mesons at the LHC: a phenomenological analysis. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 2, art. no. 97., Registrované v: WOS
19. [1.1] GONCALVES, V. P. - MACHADO, M. V. T. - MOREIRA, B. D. - NAVARRA, F. S. - DOS SANTOS, G. Sampaio. Color dipole predictions for the exclusive vector meson photoproduction in pp, pPb, and PbPb collisions at run 2 LHC energies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 094027., Registrované v: WOS
20. [1.1] GONCALVES, V. P. - MARTINS, L. S. - MOREIRA, B. D. Diffractive quarkonium photoproduction in pp and pA collisions at the LHC: Predictions of the resolved Pomeron model for the Run 2 energies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074029., Registrované v: WOS
21. [1.1] GONCALVES, V. P. - MOREIRA, B. D. - NAVARRA, F. S. Exclusive heavy vector meson photoproduction in hadronic collisions at the LHC: Predictions of the color glass condensate model for Run 2 energies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 054011., Registrované v: WOS
22. [1.1] GONCALVES, V. P. - MOREIRA, B. D. $\eta(c)$ production in photon-induced interactions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 094009., Registrované v: WOS

23. [1.1] GONCALVES, V. P. - NAVARRA, F. S. - SPIERING, D. Probing saturation physics in the Real Compton Scattering at ultraperipheral pPb collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 774, pp. 189-194., Registrované v: WOS
24. [1.1] GONCALVES, V. P. - SAUTER, W. K. eta(c) production in photon-induced interactions at a fixed target experiment at LHC as a probe of the odderon. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 9, art. no. 094014., Registrované v: WOS
25. [1.1] GONCALVES, V. P. - SAMPAIO DOS SANTOS, G. - SENA, C. R. Inclusive heavy quark photoproduction in pp, pPb and PbPb collisions at Run 2 LHC energies. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 976, pp. 33-45., Registrované v: WOS
26. [1.1] GONCALVES, V.P. - MOREIRA, B.D. Probing the X(4350) in interactions at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 4 2019, vol. 79, no. 1., Registrované v: WOS
27. [1.1] GUZEY, V. Dijet Photoproduction in Ultraperipheral Collisions at the LHC and Nuclear PDFs at Small x. In PHYSICS OF PARTICLES AND NUCLEI LETTERS. ISSN 1547-4771, SEP 2019, vol. 16, no. 5, p. 498-502., Registrované v: WOS
28. [1.1] GUZEY, V. - KLASSEN, M. Inclusive dijet photoproduction in ultraperipheral heavy ion collisions at the CERN Large Hadron Collider in next-to-leading order QCD. In PHYSICAL REVIEW C. ISSN 2469-9985, JUN 25 2019, vol. 99, no. 6., Registrované v: WOS
29. [1.1] GUZEY, V. - KLASSEN, M. Constraints on nuclear parton distributions from dijet photoproduction at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 8 2019, vol. 79, no. 5., Registrované v: WOS
30. [1.1] HENKELS, C. - DE OLIVEIRA, E.G. - PASECHNIK, R. - TREBIEN, H. Exclusive photoproduction of excited quarkonia in ultraperipheral collisions. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 16 2020, vol. 102, no. 1., Registrované v: WOS
31. [1.1] CHEN, Guangyao - LI, Yang - MARIS, Pieter - TUCHIN, Kirill - VARY, James P. Charmonium spectrum and diffractive production in a light-front Hamiltonian approach. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 409-413., Registrované v: WOS
32. [1.1] CHEN, Guangyao - ZHAO, Xingbo - LI, Yang - TUCHIN, Kirill - VARY, James P. Particle distribution in intense fields in a light-front Hamiltonian approach. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 096012., Registrované v: WOS
33. [1.1] CHEN, G.Y. - LI, Y. - TUCHIN, K. - VARY, J.P. Heavy quarkonia production at energies available at the CERN Large Hadron Collider and future electron-ion colliding facilities using basis light-front quantization wave functions. In PHYSICAL REVIEW C. ISSN 2469-9985, AUG 23 2019, vol. 100, no. 2., Registrované v: WOS
34. [1.1] KARADAG, S. - GUCLU, M.C. Multiple-scattering production of lepton pairs in ultraperipheral heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, JUL 6 2020, vol. 102, no. 1., Registrované v: WOS
35. [1.1] KHOZE, V. A. - MARTIN, A. D. - RYSKIN, M. G. Multiple interactions and rapidity gap survival. In JOURNAL OF PHYSICS

- G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 5, art. no. 053002., Registrované v: WOS
36. [1.1] KLEIN, Spencer R. Two-photon production of dilepton pairs in peripheral heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 5, art. no. 054903., Registrované v: WOS
37. [1.1] KLEIN, S.R. - MANTYSAARI, H. Imaging the nucleus with high-energy photons. In NATURE REVIEWS PHYSICS. NOV 2019, vol. 1, no. 11, p. 662-674., Registrované v: WOS
38. [1.1] KLEIN, S.R. - STEINBERG, P. Photonuclear and Two-Photon Interactions at High-Energy Nuclear Colliders. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 323-354., Registrované v: WOS
39. [1.1] KLUSEK-GAWENDA, Mariola - SZCZUREK, Antoni. Photoproduction of J/Psi mesons in peripheral and semicentral heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 4, art. no. 044912., Registrované v: WOS
40. [1.1] KNAPEN, Simon - LIN, Tongyan - LOU, Hou Keong - MELIA, Tom. Searching for Axionlike Particles with Ultraperipheral Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 118, no. 17, art. no. 171801., Registrované v: WOS
41. [1.1] LAPPI, T. - MANTYSAARI, H. - VENUGOPALAN, R. Ballistic Protons in Incoherent Exclusive Vector Meson Production as a Measure of Rare Parton Fluctuations at an Electron-Ion Collider. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 8, art. no. 082301., Registrované v: WOS
42. [1.1] LAPPI, T. - MANTYSAARI, H. - PENTTALA, J. Relativistic corrections to the vector meson light front wave function. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 22 2020, vol. 102, no. 5., Registrované v: WOS
43. [1.1] LI, G.S. - ZHOU, K. - CHEN, B.Y. Effects of nuclear charge fluctuations on dilepton photoproduction. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, FEB 1 2020, vol. 72, no. 2., Registrované v: WOS
44. [1.1] LUSZCZAK, Agnieszka - SCHAFER, Wolfgang. Incoherent diffractive photoproduction of J/psi and Upsilon on heavy nuclei in the color dipole approach. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 2, art. no. 024903., Registrované v: WOS
45. [1.1] LUSZCZAK, A. - SCHAFER, W. Coherent photoproduction of J/psi in nucleus-nucleus collisions in the color dipole approach. In PHYSICAL REVIEW C. ISSN 2469-9985, APR 8 2019, vol. 99, no. 4., Registrované v: WOS
46. [1.1] MANTYSAARI, Heikki - SCHENKE, Bjorn. Revealing proton shape fluctuations with incoherent diffraction at high energy. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 034042., Registrované v: WOS
47. [1.1] MANTYSAARI, Heikki - VENUGOPALAN, Raju. Systematics of strong nuclear amplification of gluon saturation from exclusive vector meson production in high energy electron-nucleus collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 781, pp. 664-671., Registrované v: WOS
48. [1.1] MANTYSAARI, H. Review of proton and nuclear shape

- fluctuations at high energy. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, AUG 2020, vol. 83, no. 8., Registrované v: WOS
49. [1.1] MANTYSAARI, H. - PAUKKUNEN, H. Saturation and forward jets in proton-lead collisions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 20 2019, vol. 100, no. 11., Registrované v: WOS
50. [1.1] MOREIRA, B. D. - BERTULANI, C. A. - GONCALVES, V. P. - NAVARRA, F. S. Production of exotic charmonium in gamma gamma interactions at hadron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 094024., Registrované v: WOS
51. [1.1] PARYEV, E. Ya. - KISELEV, Yu. T. Near-Threshold J/psi-Meson Photoproduction on Nuclei. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2017, vol. 80, no. 1, pp. 67-76., Registrované v: WOS
52. [1.1] SAMBASIVAM, B. - TOLL, T. - ULLRICH, T. Investigating saturation effects in ultraperipheral collisions at the LHC with the color dipole model. In PHYSICS LETTERS B. ISSN 0370-2693, APR 10 2020, vol. 803., Registrované v: WOS
53. [1.1] SAMPAIO DOS SANTOS, G. - MACHADO, M. V. T. On theoretical uncertainty of color dipole phenomenology in the J/psi and Upsilon photoproduction in pA and AA collisions at the CERN Large Hadron Collider. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 10, art. no. 105001., Registrované v: WOS
54. [1.1] SAMPAIO DOS SANTOS, G. - MACHADO, M. V. T. Light vector meson photoproduction in hadron-hadron and nucleus-nucleus collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 2, art. no. 025203., Registrované v: WOS
55. [1.1] SHI, Wei - ZHA, Wangmei - CHEN, Baoyi. Charmonium coherent photoproduction and hadroproduction with effects of quark gluon plasma. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 777, pp. 399-405., Registrované v: WOS
56. [1.1] SCHAFER, W. Photon induced processes: from ultraperipheral to semicentral heavy ion collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, SEP 17 2020, vol. 56, no. 9., Registrované v: WOS
57. [1.1] SZCZUREK, Antoni - KLUSEK-GAWENDA, Mariola - LEBIEDOWICZ, Piotr - SCHAFER, Wolfgang. New Results for Ultraperipheral Heavy Ion Collisions. In DIFFRACTION 2016: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2017, vol. 1819, art. no. UNSP 070004-1., Registrované v: WOS
58. [1.1] SZCZUREK, A. RECENT THEORETICAL RESULTS FOR ELECTROMAGNETICALLY-INDUCED ULTRAPERIPHERAL REACTIONS OF HEAVY IONS. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, p. 323-332., Registrované v: WOS
59. [1.1] VAN HAMEREN, Andreas - KLUSEK-GAWENDA, Mariola - SZCZUREK, Antoni. Single- and double-scattering production of four muons in ultraperipheral PbPb collisions at the Large Hadron Collider. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 776, pp. 84-90., Registrované v: WOS
60. [1.1] VAN HULSE, C. CENTRAL EXCLUSIVE PRODUCTION AT LHCb. In UKRAINIAN JOURNAL OF PHYSICS. ISSN 2071-0186, 2019, vol. 64, no. 7, p. 595-601., Registrované v: WOS

61. [1.1] VARY, James P. - ADHIKARI, Lekha - CHEN, Guangyao - LI, Yang - MARIS, Pieter - ZHAO, Xingbo. Basis Light-Front Quantization: Recent Progress and Future Prospects. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2016, vol. 57, no. 8, pp. 695-702., Registrované v: WOS
62. [1.1] VARY, James P. - ADHIKARI, Lekha - CHEN, Guangyao - LI, Meijian - LI, Yang - MARIS, Pieter - QIAN, Wenyang - SPENCE, John R. - TANG, Shuo - TUCHIN, Kirill - ZHAO, Xingbo. Trends and Progress in Nuclear and Hadron Physics: A Straight or Winding Road. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2017, vol. 58, no. 2, art. no. UNSP 56., Registrované v: WOS
63. [1.1] XIE, Ya-ping - CHEN, Xurong. The coherent cross section of vector mesons in ultraperipheral PbPb collisions at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 6, art. no. 316., Registrované v: WOS
64. [1.1] XIE, Ya-Ping - CHEN, Xurong. Incoherent vector mesons production in PbPb ultraperipheral collisions at the LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 959, pp. 56-65., Registrované v: WOS
65. [1.1] XIE, Ya-Ping - CHEN, Xurong. J/psi production in PbPb ultraperipheral collisions at $\sqrt{s(NN)}=2.76$ TeV. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 957, pp. 477-490., Registrované v: WOS
66. [1.1] XIE, Ya-Ping - CHEN, Xurong. Photoproduction of vector mesons in proton-proton ultraperipheral collisions at the CERN Large Hadron Collider. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 14-15, art. no. 1850086., Registrované v: WOS
67. [1.1] XIE, Ya-Ping - CHEN, Xurong. Exclusive photoproduction of vector mesons in proton-lead ultraperipheral collisions at the LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 970, pp. 316-324., Registrované v: WOS
68. [1.1] YU, Gong-Ming - YU, Yue-Chao - LI, Yun-De - WANG, Jian-Song. Charmonium production in ultra-peripheral heavy ion collisions with two-photon processes. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 917, pp. 234-240., Registrované v: WOS
69. [1.1] ZHA, W.M. - BRANDENBURG, J.D. - TANG, Z.B. - XU, Z.B. Initial transverse-momentum broadening of Breit-Wheeler process in relativistic heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, JAN 10 2020, vol. 800., Registrované v: WOS

ADCA241 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in pp collisions at $\sqrt{s}=8$ TeV. In *European Physical Journal C*, 2015, vol. 75, no. 7, art. no. 303. (2014: 5.084 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-015-3500-z>

Ohlasy:

1. [1.1] DE LA PUENTE, Alejandro - SZYNKMAN, Alejandro. Long-lived colored scalars at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 3, art. no. 124., Registrované v: WOS
2. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson

resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS
3. [1.1] TANG, Yi-Lei - ZHANG, Chen - ZHU, Shou-hua. Invisible Higgs decay at the Large Hadron-Electron Collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 011702., Registrované v: WOS

ADCA242 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. In *European Physical Journal C*, 2017, vol. 77, no. 9, art. no. 580. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-017-5081-5>

Ohlasy:

1. [1.1] DE LIMA, F.S. Recent advances and future directions for uterine diseases diagnosis, pathogenesis, and management in dairy cows. In ANIMAL REPRODUCTION. ISSN 1806-9614, 2020, vol. 17, no. 3., Registrované v: WOS

ADCA243 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - ABED ABUD, A. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Identification of boosted Higgs bosons decaying into b-quark pairs with the ATLAS detector at 13 TeV. In *European Physical Journal C*, 2019, vol. 79, no. 10, art. no. 836. (2018: 4.843 - IF, Q1 - JCR, 1.972 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-019-7335-x>

Ohlasy:

1. [1.1] BAO, Y.J. - LARKOSKI, A.J. Calculating pull for non-singlet jets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 4 2019, no. 12., Registrované v: WOS
2. [1.1] MORENO, E.A. - NGUYEN, T.Q. - VLIMANT, J.R. - CERRI, O. - NEWMAN, H.B. - PERIWAL, A. - SPIROPULU, M. - DUARTE, J.M. - PIERINI, M. Interaction networks for the identification of boosted $H \rightarrow b(b)\text{over-bar}d$ decays. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 28 2020, vol. 102, no. 1., Registrované v: WOS

ADCA244 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Identification of boosted, hadronically decaying W bosons and comparisons with ATLAS data taken at $\sqrt{s}=8$ TeV. In *European Physical Journal C*, 2016, vol. 76, no. 3, art. no. 154. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-3978-z>

Ohlasy:

1. [1.1] ALTMANNSHOFER, Wolfgang - NIEHOFF, Christoph - STRAUB, David M. $B \rightarrow \mu^+ \mu^-$ as current and future probe of new physics. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 5, art. no. 076., Registrované v: WOS
2. [1.1] ARCHILLI, F. - BETTLER, M.O. - OWEN, P. - PETRIDIS, K.

- A. Flavour-changing neutral currents making and breaking the standard model. In NATURE. ISSN 0028-0836, 2017, vol. 546, no. 7657, pp. 221-226.,
Registrované v: WOS
3. [1.1] BENEKE, M. - BOBETH, C. - SZAFRON, R. Power-enhanced leading-logarithmic QED corrections to $B \rightarrow \mu^+ \mu^-$. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 22 2019, no. 10.,
Registrované v: WOS
4. [1.1] DELGADO, R.L. - GARCIA-GARCIA, C. - HERRERO, M.J. Dynamical vector resonances from the EChL in VBS at the LHC: the WW case. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 12 2019, no. 11., Registrované v: WOS
5. [1.1] DUTTA, Juhi - KONAR, Partha - MONDAL, Subhadeep - MUKHOPADHYAYA, Biswarup - RAI, Santosh Kumar. Search for a compressed supersymmetric spectrum with a light gravitino. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 9, art. no. 026.,
Registrované v: WOS
6. [1.1] ELDER, B.T. - THALER, J. Aspects of track-assisted mass. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 19 2019, no. 3., Registrované v: WOS
7. [1.1] FLEISCHER, Robert - JAARSMA, Ruben - TETLALMATZI-XOLOCOTZI, Gilberto. In pursuit of new physics with $B_s, d(0) \rightarrow l^+ l^-$. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 5, art. no. 156., Registrované v: WOS
8. [1.1] FREYTSIS, M. - HARRIS, P. - HINZMANN, A. - MOULT, I. - TRAN, N. - VERNIERI, C. Prospects for a measurement of the W boson mass in the all-jets final state at hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 1 2019, no. 2., Registrované v: WOS
9. [1.1] FRYE, Christopher - LARKOSKI, Andrew J. - THALER, Jesse - ZHOU, Kevin. Casimir meets Poisson: improved quark/gluon discrimination with counting observables. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 9, art. no. 083., Registrované v: WOS
10. [1.1] GOLDOUZIAN, Reza - CLERBAUX, Barbara. Photon initiated single top quark production via flavor-changing neutral currents at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 054014.,
Registrované v: WOS
11. [1.1] GORI, Stefania - HABER, Howard E. - SANTOS, Edward. High scale flavor alignment in two-Higgs doublet models and its phenomenology. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 6, art. no. 110., Registrované v: WOS
12. [1.1] ILTEN, Philip - RODD, Nicholas L. - THALER, Jesse - WILLIAMS, Mike. Disentangling heavy flavor at colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 054019.,
Registrované v: WOS
13. [1.1] IVANOV, M.A. - MELIKHOV, D. - SIMULA, S. Form factors for $B \rightarrow j(1) j(2)$ decays into two currents in QCD. In PHYSICAL REVIEW D. ISSN 1550-7998, MAY 21 2020, vol. 101, no. 9., Registrované v: WOS
14. [1.1] KASIECZKA, G. - SHIH, D. Robust Jet Classifiers through Distance Correlation. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, SEP 14 2020, vol. 125, no. 12., Registrované v: WOS
15. [1.1] LARKOSKI, A.J. - METODIEV, E.M. A theory of quark vs.

gluon discrimination. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 3 2019, no. 10., Registrované v: WOS

16. [1.1] MEHTAR-TANI, Y. - SOTO-ONTOSO, A. - TYWONIUK, K. Tagging boosted hadronic objects with dynamical grooming. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 7 2020, vol. 102, no. 11., Registrované v: WOS

17. [1.1] RUSOV, A.V. Probing New Physics in $b \rightarrow d$ transitions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 22 2020, no. 7., Registrované v: WOS

18. [1.1] SAKAKI, Y. Quark jet rates and quark-gluon discrimination in multijet final states. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 18 2019, vol. 99, no. 11., Registrované v: WOS

19. [1.1] TRIPATHEE, Aashish - XUE, Wei - LARKOSKI, Andrew - MARZANI, Simone - THALER, Jesse. Jet substructure studies with CMS open data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074003., Registrované v: WOS

ADCA245 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Identification of high transverse momentum top quarks in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2016, vol. 2016, no. 6, art. no. 093. (2015: 6.023 - IF, Q1 - JCR, 1.343 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP06\(2016\)093](https://doi.org/10.1007/JHEP06(2016)093)

Ohlasy:

1. [1.1] HAN, Zhenyu - SON, Minho - TWEEDIE, Brock. Top-tagging at the energy frontier. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 036023., Registrované v: WOS

2. [1.1] PEDERSEN, Keith - SULLIVAN, Zack. Probing the two-Higgs-doublet wedge region with charged Higgs boson decays to boosted jets. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035037., Registrované v: WOS

3. [1.1] TRIPATHEE, Aashish - XUE, Wei - LARKOSKI, Andrew - MARZANI, Simone - THALER, Jesse. Jet substructure studies with CMS open data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074003., Registrované v: WOS

ADCA246 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Improved luminosity determination in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector at the LHC. In *European Physical Journal C*, 2013, vol. 73, no. 8, art. no. 2518. (2012: 5.247 - IF, Q1 - JCR, 3.034 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-013-2518-3>

Ohlasy:

1. [1.1] BABAEV, A. Beam-dynamic effects at the CMS BRIL van der Meer scans. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2018, vol. 13, art. no. C03028., Registrované v: WOS

2. [1.1] BIONDI, Silvia. Study of the associated production of the Higgs boson with a top quark pair in a boosted regime in the ATLAS experiment. In

EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 11, art. no. 462., Registrované v: WOS

3. [1.1] BOYE, D. - MAPEKULA, X. Search for a Higgs boson decaying through $Z(\gamma)$ to 4 leptons. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2018). ISSN 1742-6588, 2019, vol. 1271., Registrované v: WOS

4. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS

5. [1.1] JOHNSON, Mark - MAITRE, Daniel. Strong coupling constant extraction from high-multiplicity Z plus jets observables. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 054013., Registrované v: WOS

6. [1.1] THAKUR, R.K. - TIWARI, B.N. - NIGAM, R. Parameter space stability of multiple soft interactions. In NUCLEAR PHYSICS A. ISSN 0375-9474, OCT 2020, vol. 1002., Registrované v: WOS

ADCA247 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - STRÍŽENEC, Pavol - URBÁN, Jozef. In situ calibration of large-radius jet energy and mass in 13TeVproton-proton collisions with the ATLAS detector. In *European Physical Journal C*, 2019, vol. 79, no. 2, art. no. 135. (2018: 4.843 - IF, Q1 - JCR, 1.972 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/0.1140/epjc/s10052-019-6632-8>

Ohlasy:

1. [1.1] FUKS, B. - NORDSTROM, K. - RUIZ, R. - WILLIAMSON, S.L. Sleptons without hadrons. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 11 2019, vol. 100, no. 7., Registrované v: WOS

2. [1.1] PASCOLI, S. - RUIZ, R. - WEILAND, C. Heavy neutrinos with dynamic jet vetoes: multilepton searches at $s=14, 27$, and 100 TeV. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 13 2019, no. 6., Registrované v: WOS

ADCA248 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - PASTIRČÁK, Blahoslav - ŠÁNDOR, Ladislav - VALA, Martin. Inclusive J/ψ production in pp collisions at $\sqrt{s}=2.76$ TeV. In *Physics Letters B*, 2012, vol. 718, no. 2, p. 295-306. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2012.10.078>

Ohlasy:

1. [1.1] CISEK, Anna - SZCZUREK, Antoni. Prompt inclusive production of J/ψ , ψ' and $\chi(c)$ mesons at the LHC in forward directions within the NRQCD $k(t)$ -factorization approach: Search for the onset of gluon saturation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 034035., Registrované v: WOS

2. [1.1] DUCATI, M. B. Gay - MARTINS, S. Heavy meson photoproduction in peripheral AA collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 116013., Registrované v: WOS

3. [1.1] FENG, Yu - LANSBERG, Jean-Philippe - WANG, Jian-Xiong.

Energy dependence of direct-quarkonium production in pp collisions from fixed-target to LHC energies: complete one-loop analysis. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 7, art. no. 313., Registrované v: WOS

4. [1.1] GAO, L.N. - LIU, F.H. Transverse momentum spectra of heavy baryons and mesons in forward rapidity range in small collision system at the LHC. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, SEP 2020, vol. 94, no. 9, p. 1431-1450., Registrované v: WOS

5. [1.1] CHEN, Baoyi - GUO, Tiecheng - LIU, Yunpeng - ZHUANG, Pengfei. Cold and hot nuclear matter effects on charmonium production in p plus Pb collisions at LHC energy. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 765, pp. 323-327., Registrované v: WOS

6. [1.1] CHEN, B.Y. Thermal production of charmonia in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. In CHINESE PHYSICS C. ISSN 1674-1137, DEC 2019, vol. 43, no. 12., Registrované v: WOS

7. [1.1] CHEN, Y.H. - MA, Y.G. - MA, G.L. - CHEN, J.H. Transverse momentum spectra of J/ψ produced in collisions over an energy range from 17.4 GeV to 13 TeV. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, APR 2020, vol. 47, no. 4., Registrované v: WOS

8. [1.1] KIKOLA, Daniel. Effect of Hadron Contamination on Dielectron Signal Reconstruction in Heavy Flavor Production Measurements. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 385205., Registrované v: WOS

9. [1.1] KLUSEK-GAWENDA, Mariola - SZCZUREK, Antoni. Photoproduction of J/Ψ mesons in peripheral and semicentral heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 4, art. no. 044912., Registrované v: WOS

10. [1.1] KOPELIOVICH, B. Z. - POTASHNIKOVA, I. K. - SCHMIDT, Ivan - SIDDIKOV, M. Survival of charmonia in a hot environment. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 91, no. 2, art. no. 024911., Registrované v: WOS

11. [1.1] KOPELIOVICH, B. Z. - POTASHNIKOVA, I. K. - SCHMIDT, Ivan - SIDDIKOV, M. Charmonium propagation through a dense medium. In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, art. no. 03020., Registrované v: WOS

12. [1.1] KRAETSCHMER, Ilse. Production of $\eta(c)$, $\chi(c)$ and $\chi(b)$ Mesons in Proton-(Anti) Proton Collisions. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2017, vol. 58, no. 2., Registrované v: WOS

13. [1.1] LI, Li-Li - LIU, Fu-Hu. Energy dependent kinetic freeze-out temperature and transverse flow velocity in high energy collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 10, art. no. 169., Registrované v: WOS

14. [1.1] NAYAK, Gouranga C. Proof of factorization of heavy quarkonium production in non-equilibrium QCD at RHIC and LHC. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 2, art. no. 52., Registrované v: WOS

15. [1.1] PAUL, Biswarup - MANDAL, Mahatsab - ROY, Pradip - CHATTAPADHYAY, Sukalyan. Systematic study of charmonium production in p-p collisions at LHC energies. In JOURNAL OF PHYSICS G-NUCLEAR AND

PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 6, art. no. 065101., Registrované v: WOS

16. [1.1] SEPAHVAND, R. - DADFAR, S. NLO corrections to c- and b-quark fragmentation into j/psi and gamma. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034012., Registrované v: WOS

17. [1.1] SPOUSTA, Martin. On similarity of jet quenching and charmonia suppression. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 767, pp. 10-15., Registrované v: WOS

18. [1.1] WANG, Q. - LIU, F.H. Initial and Final State Temperatures of Antiproton Emission Sources in High Energy Collisions. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, DEC 2019, vol. 58, no. 12, p. 4119-4138., Registrované v: WOS

19. [1.1] WANG, Q. - LIU, F.H. Excitation Function of Initial Temperature of Heavy Flavor Quarkonium Emission Source in High Energy Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, AUG 17 2020, vol. 2020., Registrované v: WOS

20. [1.1] WANG, Q. - YANG, P.P. - LIU, F.H. Comparing a few distributions of transverse momenta in high energy collisions. In RESULTS IN PHYSICS. ISSN 2211-3797, MAR 2019, vol. 12, p. 259-267., Registrované v: WOS

21. [1.1] WAQAS, M. - LIU, F.H. - FAKHRADDIN, S. - RAHIM, M.A. Possible scenarios for single, double, or multiple kinetic freeze-out in high-energy collisions. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, OCT 2019, vol. 93, no. 10, p. 1329-1343., Registrované v: WOS

ADCA249 ACHARYA, S. - ACOSTA, F.T. - ADAMOVIĆ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Inclusive J/psi production in Xe-Xe collisions at root s(NN)=5.44 TeV. In *Physics Letters B*, 2018, vol. 785, p. 419-428. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.08.047>

Ohlasy:

1. [1.1] GUO, Z.L. - LI, B.C. - DONG, H.W. Transverse Momentum and Pseudorapidity Dependence of Particle Production in Xe-Xe Collision at root s(NN)=5.44 TeV. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, FEB 1 2020, vol. 2020., Registrované v: WOS

2. [1.1] ZHAO, H.F. - LI, B.C. - DONG, H.W. Investigation of Particle Distributions in Xe-Xe Collision at root(s)(NN)=5.44 TeV with the Tsallis Statistics. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, FEB 11 2020, vol. 2020., Registrované v: WOS

ADCA250 ABELEV, Betty - ADAM, J. - ADAMOVIĆ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Inclusive photon production at forward rapidities in proton-proton collisions at root s=0.9, 2.76 and 7 TeV. In *European Physical Journal C*, 2015, vol. 75, no. 4, art. no. 146. (2014: 5.084 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-015-3356-2>

Ohlasy:

1. [1.1] DAVID, G. Direct real photons in relativistic heavy ion collisions. In *REPORTS ON PROGRESS IN PHYSICS*. ISSN 0034-4885, APR 2020, vol. 83, no. 4., Registrované v: WOS

ADCA251 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VAĽA, Martin. Inclusive quarkonium production at forward rapidity in pp collisions at $\sqrt{s}=8$ TeV. In *European Physical Journal C*, 2016, vol. 76, no. 4, art. no. 184. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-3987-y>

Ohlasy:

1. [1.1] DUCLOUE, B. - LAPPI, T. - MANTYSAARI, H. Forward J/psi production at high energy: Centrality dependence and mean transverse momentum. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 074031., Registrované v: WOS

2. [1.1] DU, X. - HE, M. - RAPP, R. Color screening and regeneration of bottomonia in high-energy heavy-ion collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2017, vol. 96, no. 5, art. no. 054901., Registrované v: WOS

ADCA252 ABULENCIA, A. - ANTOŠ, Jaroslav - LYSÁK, Roman. Inclusive search for new physics with like-sign dilepton events in $p(\bar{p})$ collisions at $\sqrt{s}=1.96$ TeV. In *Physical Review Letters*, 2007, vol. 98, no. 22, art. no. 221803. (2006: 7.072 - IF, Q1 - JCR, 4.781 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.98.221803>

Ohlasy:

1. [1.1] DEPPISCH, Frank F. - DEV, P. S. Bhupal - PILAFTSIS, Apostolos. Neutrinos and collider physics. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2015, vol. 17, art. no. 075019., Registrované v: WOS

2. [1.1] ELLIOTT, Steven R. - FRANZ, Marcel. Colloquium: Majorana fermions in nuclear, particle, and solid-state physics. In *REVIEWS OF MODERN PHYSICS*. ISSN 0034-6861, 2015, vol. 87, no. 1, art. no. 137., Registrované v: WOS

ADCA253 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Inclusive Search for Standard Model Higgs Boson Production in the WW Decay Channel Using the CDF II Detector. In *Physical Review Letters*, 2010, vol. 104, no. 6, art. no. 061803. (2009: 7.328 - IF, 6.325 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.104.061803>

Ohlasy:

1. [1.1] KOLLMER, Jonathan E. - POESCHEL, Thorsten - GALLAS, Jason A. C. Are physicists afraid of mathematics? In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2015, vol. 17, art. no. 013036., Registrované v: WOS

ADCA254 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Inclusive, prompt and non-prompt J/psi production at mid-rapidity in Pb-Pb collisions at root S-NN=2.76 TeV. In *Journal of High Energy Physics*, 2015, vol. 2015, no. 7, art. no. 051. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP07\(2015\)051](https://doi.org/10.1007/JHEP07(2015)051)

Ohlasy:

1. [1.1] ARLEO, Francois - PEIGNE, Stephane. Quarkonium Suppression from Coherent Energy Loss in Fixed-Target Experiments Using LHC Beams. In *ADVANCES IN HIGH ENERGY PHYSICS*. ISSN 1687-7357, 2015, art. no. 961951., Registrované v: WOS
2. [1.1] FRONZE, G. G. Measurements of quarkonium production in p-Pb and Pb-Pb collisions with ALICE at LHC. In *NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS*. ISSN 2037-4909, 2018, vol. 41, no. 1-2, art. no. 14., Registrované v: WOS
3. [1.1] HACHIYA, Takashi. Recent heavy flavor measurements from PHENIX at RHIC. In *XLVI INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2016)*. ISSN 2100-014X, 2017, vol. 141, art. no. UNSP 05006., Registrované v: WOS
4. [1.1] MA, Rongrong. Experimental summary for heavy flavor production. In *16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016)*. ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012020., Registrované v: WOS

ADCA255 AARON, F.D. - BRUNCKO, Dušan - FERENCEI, Jozef - MURÍN, Pavol - TOMASZ, Filip. Inelastic production of J/psi mesons in photoproduction and deep inelastic scattering at HERA. In *European Physical Journal C*, 2010, vol. 68, no. 3-4, p. 401-420. (2009: 2.746 - IF, Q2 - JCR, 1.859 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-010-1376-5>

Ohlasy:

1. [1.1] HE, Zhi-Guo - KNIEHL, Bernd A. Relativistic corrections to J/psi polarization in photo- and hadroproduction. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 014009., Registrované v: WOS
2. [1.1] HIDALGO-DUQUE, Carlos - LLANES-ESTRADA, Felipe J. Soft interactions in jet quenching. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2015, vol. 30, no. 13, art. no. 1550067., Registrované v: WOS

ADCA256 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Insight into particle production mechanisms via angular correlations of identified particles in pp collisions at root s=7 TeV. In *European Physical Journal C*, 2017, vol. 77, no. 8, art. no. 569. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-017-5129-6>

Ohlasy:

1. [1.1] ARMESTO, Nestor - DOMINGUEZ, Fabio - KOVNER, Alex - LUBLINSKY, Michael - SKOKOV, Vladimir V. The Color Glass Condensate density matrix: Lindblad evolution, entanglement entropy and Wigner functional. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2019, no. 5., Registrované v: WOS
2. [1.1] SJOSTRAND, Torbjorn. Collective Effects: the viewpoint of HEP MC codes. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 43-49., Registrované v: WOS
3. [1.1] WANG, Feng-Tao - XU, Jun. Hadronization using the Wigner function approach for a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 6., Registrované v: WOS
4. [1.1] ZHANG, Liu-Yao - CHEN, Jin-Hui - LIN, Zi-Wei - MA, Yu-Gang - ZHANG, Song. Two-particle angular correlations in pp and p-Pb collisions at energies available at the CERN Large Hadron Collider from a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034912., Registrované v: WOS
5. [1.1] ZHANG, Liu-Yao - CHEN, Jin-Hui - LIN, Zi-Wei - MA, Yu-Gang - ZHANG, Song. Two-particle angular correlations in heavy ion collisions from a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 5., Registrované v: WOS

ADCA257 ACHARYA, S. - ADAMOVIĆ, D. - ADLER, A. - ADOLFSSON, J. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Investigation of the p-Sigma(0) interaction via femtoscopy in pp collisions. In *Physics Letters B : Nuclear, Elementary Particle and High-Energy Physics*, 2020, vol. 805, art. no. 135419. (2019: 4.384 - IF, Q1 - JCR, 1.795 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2020.135419>

Ohlasy:

1. [1.1] KREIN, G. - PEIXOTO, T.C. Femtoscopy of the Origin of the Nucleon Mass. In FEW-BODY SYSTEMS. ISSN 0177-7963, NOV 19 2020, vol. 61, no. 4., Registrované v: WOS

ADCA258 AAD, G. - ABAJYAN, T. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Jet energy measurement and its systematic uncertainty in proton-proton collisions at root s=7 TeV with the ATLAS detector. In *European Physical Journal C*, 2015, vol. 75, no. 1, art. no. 17. (2014: 5.084 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-014-3190-y>

Ohlasy:

1. [1.1] AHMED, Ijaz - HASHEMI, Majid - TAJUDDIN, Wan Ahmad. The s-channel charged Higgs in the fully hadronic final state at LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, pp. 1-10., Registrované v: WOS
2. [1.1] AZAR, M.M. - GASTON, D.C. - KOTTON, C.N. - MALINIS, M.F. Emerging Microbiology Diagnostics for Transplant Infections: On the Cusp

- of a Paradigm Shift. In TRANSPLANTATION. ISSN 0041-1337, JUL 2020, vol. 104, no. 7, p. 1358-1384., Registrované v: WOS
3. [1.1] BACON, Simon W. - ROE, Chris A. Investigating practitioners' perceptions of the role of spirituality in osteopathic practice using Interpretative Phenomenological Analysis. In INTERNATIONAL JOURNAL OF OSTEOPATHIC MEDICINE. ISSN 1746-0689, 2018, vol. 29, pp. 3-9., Registrované v: WOS
4. [1.1] BIONDI, Silvia. Study of the associated production of the Higgs boson with a top quark pair in a boosted regime in the ATLAS experiment. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 11, art. no. 462., Registrované v: WOS
5. [1.1] CACCIARI, Matteo - SALAM, Gavin P. - SOYEZ, Gregory. SoftKiller, a particle-level pileup removal method. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 2, art. no. 59., Registrované v: WOS
6. [1.1] COKER, M.O. - HOEN, A.G. - DADE, E. - LUNDGREN, S. - LI, Z. - WONG, A.D. - ZENS, M.S. - PALYS, T.J. - MORRISON, H.G. - SOGIN, M.L. - BAKER, E.R. - KARAGAS, M.R. - MADAN, J.C. Specific class of intrapartum antibiotics relates to maturation of the infant gut microbiota: a prospective cohort study. In BJOG-AN INTERNATIONAL JOURNAL OF OBSTETRICS AND GYNAECOLOGY. ISSN 1470-0328, JAN 2020, vol. 127, no. 2, SI, p. 217-227., Registrované v: WOS
7. [1.1] CURRIE, James - GLOVER, E. W. N. - GEHRMANN, Thomas - GEHRMANN-DE RIDDER, Aude - HUSS, Alexander - FIRES, Joao. SINGLE JET INCLUSIVE PRODUCTION FOR THE INDIVIDUAL JET p(T) SCALE CHOICE AT THE LHC. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 6, pp. 955-967., Registrované v: WOS
8. [1.1] DASGUPTA, Mrinal - DREYER, Frederic A. - HAMILTON, Keith - MONNI, Pier Francesco - SALAM, Gavin P. Logarithmic accuracy of parton showers: a fixed-order study. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 033., Registrované v: WOS
9. [1.1] DILSIZ, Kamuran. Differential QCD Predictions of the W (+/-)+1 Jet for the Large Hadron Collider and Possible Future High Energy Colliders. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2018, vol. 73, no. 9, pp. 1240-1246., Registrované v: WOS
10. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS
11. [1.1] ELVIRA, V. Daniel. Impact of detector simulation in particle physics collider experiments. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2017, vol. 695, pp. 1-54., Registrované v: WOS
12. [1.1] HARLAND-LANG, L. A. - NATHVANI, R. - THORNE, R. S. - MARTIN, A. D. MMHT PDFs: UPDATES AND OUTLOOK. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 6, pp. 1011-1024., Registrované v: WOS
13. [1.1] HARLAND-LANG, L. A. - MARTIN, A. D. - THORNE, R. S. The impact of LHC jet data on the MMHT PDF fit at NNLO. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 248., Registrované v: WOS

14. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS
15. [1.1] CHO, Y. Two Types of Jets and Quark and Chromon Model in QCD. In UNIVERSE. FEB 2019, vol. 5, no. 2., Registrované v: WOS
16. [1.1] LLORENTE, Javier. Determination of the Strong Coupling Constant $\alpha(s)$ in Multijet Production with the ATLAS Detector at the LHC. In PROCEEDINGS OF THE 21ST PARTICLES AND NUCLEI INTERNATIONAL CONFERENCE (PANIC 2017). ISSN 2010-1945, 2018, vol. 46, art. no. 1860085., Registrované v: WOS
17. [1.1] METODIEV, Eric M. - THALER, Jesse. Jet Topics: Disentangling Quarks and Gluons at Colliders. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 24, art. no. 241602., Registrované v: WOS
18. [1.1] NACHMAN, B. A guide for deploying deep learning in LHC searches: How to achieve optimality and account for uncertainty. In SCIPOST PHYSICS. ISSN 2542-4653, JUN 2020, vol. 8, no. 6., Registrované v: WOS
19. [1.1] RABBERTZ, Klaus. Jet Measurement. In JET PHYSICS AT THE LHC: THE STRONG FORCE BEYOND THE TEV SCALE. ISSN 0081-3869, 2017, vol. 268, pp. 61-110., Registrované v: WOS
20. [1.1] Search for New Phenomena in Events with Large Jet Multiplicities. In HIGH JET MULTIPLICITY PHYSICS AT THE LHC. ISSN 2190-5053, 2016, pp. 43-101., Registrované v: WOS
21. [1.1] SCHAEZEL, Sebastian. Boosted top quarks and jet structure. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 415., Registrované v: WOS
22. [1.1] SOYEZ, G. Pileup mitigation at the LHC: A theorist's view. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, APR 25 2019, vol. 803, p. 1-158., Registrované v: WOS
23. [1.1] The Large Hadron Collider and the ATLAS Experiment. In HIGH JET MULTIPLICITY PHYSICS AT THE LHC. ISSN 2190-5053, 2016, pp. 25-42., Registrované v: WOS
24. [1.1] VOUTILAINEN, Mikko. Heavy quark jets at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 31, art. no. 1546008., Registrované v: WOS

ADCA259 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCÉI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Jet energy measurement with the ATLAS detector in proton-proton collisions at $\sqrt{s}=7$ TeV. In *European Physical Journal C*, 2013, vol. 73, no. 3, art. no. 2304. (2012: 5.247 - IF, Q1 - JCR, 3.034 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-013-2304-2>

Ohlasy:

1. [1.1] BASSO, Lorenzo - DITTMAIER, Stefan - HUSS, Alexander - OGGERO, Luisa. Techniques for the treatment of IR divergences in decay processes at NLO and application to the top-quark decay. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 2, art. no. 56., Registrované v: WOS
2. [1.1] DAINESE, Andrea. Systematic Uncertainties. In

- MEASUREMENT OF THE D0 MESON PRODUCTION IN PB-PB AND P-PB COLLISIONS: A STUDY PERFORMED WITH THE ALICE EXPERIMENT AT THE LHC. ISSN 2190-5053, 2016, vol., pp. 117-145., Registrované v: WOS
3. [1.1] DE LA PUENTE, Alejandro - SZYNKMAN, Alejandro. Long-lived colored scalars at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 3, art. no. 124., Registrované v: WOS
 4. [1.1] DE LIMA, Danilo Ferreira - PETROV, Petar - SOPER, Davison - SPANNOVSKY, Michael. Quark-gluon tagging with shower deconstruction: Unearthing dark matter and Higgs couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034001., Registrované v: WOS
 5. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS
 6. [1.1] Event Reconstruction. In FIRST SEARCH FOR THE EMC EFFECT AND NUCLEAR SHADOWING IN NEUTRINO NUCLEAR DEEP INELASTIC SCATTERING AT MINERVA. ISSN 2190-5053, 2017, pp. 57-69., Registrované v: WOS
 7. [1.1] JOHNSON, Mark - MAITRE, Daniel. Strong coupling constant extraction from high-multiplicity Z plus jets observables. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 054013., Registrované v: WOS
 8. [1.1] KOMISKE, Patrick T. - METHODIEV, Eric T. - NACHMAN, Benjamin - SCHWARTZ, Matthew D. Pileup Mitigation with Machine Learning (PUMML). In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 12, art. no. 051., Registrované v: WOS
 9. [1.1] LEE, Claire A. Missing p(T) Reconstruction at ATLAS. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP (HEPPW2015). ISSN 1742-6588, 2015, vol. 645, art. no. UNSP 012012., Registrované v: WOS
 10. [1.1] RABBERTZ, Klaus. Jet Measurement. In JET PHYSICS AT THE LHC: THE STRONG FORCE BEYOND THE TEV SCALE. ISSN 0081-3869, 2017, vol. 268, pp. 61-110., Registrované v: WOS

ADCA260 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Jet energy resolution in proton-proton collisions at root s 7 TeV recorded in 2010 with the ATLAS detector. In *European Physical Journal C*, 2013, vol. 73, no. 3, art. no. 2306. (2012: 5.247 - IF, Q1 - JCR, 3.034 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-013-2306-0>

Ohlasy:

1. [1.1] KAWAMURA, Junichiro - OMURA, Yuji. Diphoton excess at 750 GeV and LHC constraints in models with vectorlike particles. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115011., Registrované v: WOS
2. [1.1] SCHAEZEL, Sebastian. Boosted top quarks and jet structure. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 415., Registrované v: WOS
3. [1.1] TUNNEY, Patrick - NO, Jose Miguel - FAIRBAIRN, Malcolm. Probing the pseudoscalar portal to dark matter via (b)over-barbZ(-> ll) + (E)over-bar(T) : From the LHC to the Galactic Center excess. In PHYSICAL

REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 095020.,
Registrované v: WOS

ADCA261 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. -
BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Jet energy scale
measurements and their systematic uncertainties in proton-proton collisions at root
 $s=13$ TeV with the ATLAS detector. In *Physical Review D*, 2017, vol. 96, no. 7, art.
no. 072002. (2016: 4.557 - IF, Q1 - JCR, 2.115 - SJR, Q1 - SJR, Current Contents -
CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na:
<https://doi.org/10.1103/PhysRevD.96.072002>

Ohlasy:

1. [1.1] CHO, Y. Two Types of Jets and Quark and Chromon Model in
QCD. In UNIVERSE. FEB 2019, vol. 5, no. 2., Registrované v: WOS
2. [1.1] LIU, Xiaohui - MOCH, Sven-Olaf - RINGER, Felix.
Phenomenology of single-inclusive jet production with jet radius and threshold
resummation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5,
art. no. 056026., Registrované v: WOS
3. [1.1] METODIEV, Eric M. - THALER, Jesse. Jet Topics:
Disentangling Quarks and Gluons at Colliders. In PHYSICAL REVIEW
LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 24, art. no. 241602.,
Registrované v: WOS
4. [1.1] PASCOLI, Silvia - RUIZ, Richard - WEILAND, Cedric. Safe
jet vetoes. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 786, pp.
106-113., Registrované v: WOS

ADCA262 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef -
KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Jet mass and
substructure of inclusive jets in root $s=7$ TeV pp collisions with the ATLAS
experiment. In *Journal of High Energy Physics*, 2012, vol. 2012, no. 5, art. no. 128.
(2011: 5.831 - IF, 1.902 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current
Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na:
[https://doi.org/10.1007/JHEP05\(2012\)128](https://doi.org/10.1007/JHEP05(2012)128)

Ohlasy:

1. [1.1] APOLINARIO, Liliana - MILHANO, Jose Guilherme -
PLOSKON, Mateusz - XIAOMINGZHANG. Novel subjet observables for jet
quenching in heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C.
ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 529., Registrované v: WOS
2. [1.1] BUCKLEY, Matthew R. - GONCALVES, Dorival. Boosting the
Direct CP Measurement of the Higgs-Top Coupling. In PHYSICAL REVIEW
LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 9, art. no. 091801.,
Registrované v: WOS
3. [1.1] CABOUAT, Baptiste - SJOSTRAND, Torbjorn. Some dipole
shower studies. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044,
2018, vol. 78, no. 3, art. no. 226., Registrované v: WOS
4. [1.1] GONCALVES, Dorival - LPEZ-VAL, David. Pseudoscalar
searches with dileptonic tops and jet substructure. In PHYSICAL REVIEW D.
ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 095005., Registrované v: WOS
5. [1.1] HAN, Chengcheng - PARK, Myeonghun. Revealing the jet
substructure in a compressed spectrum of new physics. In PHYSICAL REVIEW
D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 011502., Registrované v: WOS

6. [1.1] CHENG, Yangyang. Dark Matter plus Higgs(\rightarrow $b\bar{b}$): Overview. In SEARCH FOR DARK MATTER PRODUCED IN ASSOCIATION WITH A HIGGS BOSON DECAYING TO TWO BOTTOM QUARKS AT ATLAS. ISSN 2190-5053, 2017, pp. 49-53., Registrované v: WOS
7. [1.1] CHIEN, Y.T. - KANG, D. - LEE, K. - MAKRIS, Y. Subtracted cumulants: Mitigating large background in jet substructure. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 28 2019, vol. 100, no. 7., Registrované v: WOS
8. [1.1] IZAGUIRRE, Eder - SHUVE, Brian - YAVIN, Itay. Improving Identification of Dijet Resonances at Hadron Colliders. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 4, art. no. 041802., Registrované v: WOS
9. [1.1] KANG, D. - CHIEN, Y.T. - LEE, K. - MAKRIS, Y. Mitigating Large Background in Jet Substructure Observables. In XLIX INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2019). ISSN 2100-014X, 2020, vol. 235., Registrované v: WOS
10. [1.1] KANG, Zhong-Bo - LEE, Kyle - LIU, Xiaohui - RINGER, Felix. The groomed and ungroomed jet mass distribution for inclusive jet production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 137., Registrované v: WOS
11. [1.1] KANG, Zhong-Bo - LEE, Kyle - RINGER, Felix. Jet angularity measurements for single inclusive jet production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 4, art. no. 110., Registrované v: WOS
12. [1.1] KANG, Zhong-Bo - RINGER, Felix - VITEV, Ivan. Jet substructure using semi-inclusive jet functions in SCET. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 11, art. no. 155., Registrované v: WOS
13. [1.1] KIM, J.H. - KONG, K. - MATCHEV, K.T. - PARK, M. Probing the Triple Higgs Self-Interaction at the Large Hadron Collider. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, MAR 6 2019, vol. 122, no. 9., Registrované v: WOS
14. [1.1] LARKOSKI, Andrew J. - MOULT, Ian. Singular behavior of jet substructure observables. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 014017., Registrované v: WOS
15. [1.1] LARKOSKI, Andrew - MARZANI, Simone - THALER, Jesse - TRIPATHEE, Aashish - XUE, Wei. Exposing the QCD Splitting Function with CMS Open Data. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 13, art. no. 132003., Registrované v: WOS
16. [1.1] LARKOSKI, A.J. - MOULT, I. - NACHMAN, B. Jet substructure at the Large Hadron Collider: A review of recent advances in theory and machine learning. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, JAN 27 2020, vol. 841, p. 1-63., Registrované v: WOS
17. [1.1] MAJUMDER, A. - PUTSCHKE, J. Mass depletion: A new parameter for quantitative jet modification. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 5, art. no. 054909., Registrované v: WOS
18. [1.1] MOORE, L. - NORDSTROM, K. - VARMA, S. - FAIRBAIRN, M. Reports of my demise are greatly exaggerated: N-subjettiness taggers take on jet images. In SCIPOST PHYSICS. ISSN 2542-4653, SEP 2019, vol. 7, no. 3.,

Registrované v: WOS

19. [1.1] PARK, M. - ZHANG, M. Tagging a jet from a dark sector with jet substructures at colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 4 2019, vol. 100, no. 11., Registrované v: WOS

20. [1.1] SAKAKI, Y. Quark jet rates and quark-gluon discrimination in multijet final states. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 18 2019, vol. 99, no. 11., Registrované v: WOS

21. [1.1] STEWART, Iain W. - TACKMANN, Frank J. - WAALEWIJN, Wouter J. Dissecting Soft Radiation with Factorization. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 9, art. no. 092001., Registrované v: WOS

22. [1.1] TRIPATHEE, Aashish - XUE, Wei - LARKOSKI, Andrew - MARZANI, Simone - THALER, Jesse. Jet substructure studies with CMS open data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074003., Registrované v: WOS

23. [1.1] URMOSY, K. Jet mass dependence of fragmentation in positron-proton collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 2, art. no. 36., Registrované v: WOS

24. [1.1] WEI, Hua-Rong - LIU, Fu-Hu. A Study of Transverse Momentum Distributions of Jets Produced in p-p, p-(p)over-bar, d-Au, Au-Au, and Pb-Pb Collisions at High Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 263135., Registrované v: WOS

ADCA263 AARON, F.D. - BRUNCKO, Dušan - FERENCZI, Jozef - MURÍN, Pavol - TOMASZ, Filip. Jet production in ep collisions at high $Q(2)$ and determination of $\alpha(s)$. In *European Physical Journal C*, 2010, vol. 65, no. 3-4, p. 363-383. (2009: 2.746 - IF, Q2 - JCR, 1.859 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-009-1208-7>

Ohlasy:

1. [1.1] AURENCHE, P. - FONTANNAZ, M. Photon-jet cross sections in deep-inelastic scattering. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 2, art. no. 64., Registrované v: WOS

ADCA264 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Jet reconstruction and performance using particle flow with the ATLAS Detector. In *European Physical Journal C*, 2017, vol. 77, no. 7, art. no. 466. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044.

Ohlasy:

1. [1.1] BALDENEGRO, C. - BIAGI, G. - LEGRAS, G. - ROYON, C. Central exclusive production of W boson pairs in pp collisions at the LHC in hadronic and semi-leptonic final states. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 24 2020, no. 12., Registrované v: WOS

2. [1.1] COLEMAN, E. - FREYTSIS, M. - HINZMANN, A. - NARAIN, M. - THALER, J. - TRAN, N. - VERNIERI, C. The importance of calorimetry for highly-boosted jet substructure. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2018, vol. 13, art. no. T01003., Registrované v: WOS

3. [1.1] ELDER, B.T. - THALER, J. Aspects of track-assisted mass. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 19 2019, no. 3., Registrované v: WOS
4. [1.1] FREYTSIS, M. - HARRIS, P. - HINZMANN, A. - MOULT, I. - TRAN, N. - VERNIERI, C. Prospects for a measurement of the W boson mass in the all-jets final state at hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 1 2019, no. 2., Registrované v: WOS
5. [1.1] HALL, Zachary - THALER, Jesse. Photon isolation and jet substructure. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 164., Registrované v: WOS
6. [1.1] KIESELER, J. Object condensation: one-stage grid-free multi-object reconstruction in physics detectors, graph, and image data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 24 2020, vol. 80, no. 9., Registrované v: WOS
7. [1.1] KOMISKE, P.T. - METODIEV, E.M. - THALER, J. Energy flow networks: deep sets for particle jets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 15 2019, no. 1., Registrované v: WOS
8. [1.1] MARTINEZ, J.A. - CERRI, O. - SPIROPULU, M. - VLIMANT, J.R. - PIERINI, M. Pileup mitigation at the Large Hadron Collider with graph neural networks. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, JUL 2019, vol. 134, no. 7., Registrované v: WOS
9. [1.1] QASIM, S.R. - KIESELER, J. - IYAMA, Y. - PIERINI, M. Learning representations of irregular particle-detector geometry with distance-weighted graph networks. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 18 2019, vol. 79, no. 7., Registrované v: WOS
10. [1.1] QU, H.L. - GOUSKOS, L. Jet tagging via particle clouds. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 26 2020, vol. 101, no. 5., Registrované v: WOS
11. [1.1] WIGMANS, Richard. New developments in calorimetric particle detection Richard Wigmans. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 103, pp. 109-161., Registrované v: WOS

ADCA265 ADAM, J. - ADAMOVIĆ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Jet-like correlations with neutral pion triggers in pp and central Pb-Pb collisions at 2.76 TeV. In *Physics Letters B*, 2016, vol. 763, p. 238-250. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2016.10.048>

Ohlasy:

1. [1.1] TANNENBAUM, Michael J. Latest Results from RHIC. In UNIVERSE, 2019, vol. 5, no. 6., Registrované v: WOS

ADCA266 ABBAS, E. - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. J/psi Elliptic Flow in Pb-Pb Collisions at $\sqrt{s(NN)}=2.76$ TeV. In *Physical Review Letters*, 2013, vol. 111, no. 16, art. no. 162301. (2012: 7.943 - IF, Q1 - JCR, 6.292 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.111.162301>

Ohlasy:

1. [1.1] BHAVSAR, Tanvi - SHAH, Manan - VINODKUMAR, P. C. Status of quarkonia-like negative and positive parity states in a relativistic confinement scheme. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 227., Registrované v: WOS
2. [1.1] DATTA, Saumen. Quarkonia at finite temperature in relativistic heavy-ion collisions. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2015, vol. 84, no. 5, pp. 881-899., Registrované v: WOS
3. [1.1] GUO, Xingyu - SHI, Shuzhe - XU, Nu - XU, Zhe - ZHUANG, Pengfei. Magnetic field effect on charmonium formation in high energy nuclear collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 751, pp. 215-219., Registrované v: WOS
4. [1.1] HE, Hang - LIU, Yunpeng - ZHUANG, Pengfei. Omega(ccc) production in high energy nuclear collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 746, pp. 59-63., Registrované v: WOS
5. [1.1] CHO, Sungtae. Enhanced production of $\psi(2S)$ mesons in heavy ion collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 5, art. no. 054914., Registrované v: WOS
6. [1.1] KELLY, Aoife - ROTHKOPF, Alexander - SKULLERUD, Jon-Ivar. Bayesian study of relativistic open and hidden charm in anisotropic lattice QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 114509., Registrované v: WOS
7. [1.1] KROUPPA, Brandon - ROTHKOPF, Alexander - STRICKLAND, Michael. Bottomonium suppression using a lattice QCD vetted potential. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 016017., Registrované v: WOS
8. [1.1] LIU, Yunpeng - ZHOU, Kai - ZHUANG, Pengfei. Quarkonia in high energy nuclear collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2015, vol. 24, no. 11, art. no. 1530015., Registrované v: WOS
9. [1.1] LOKHTIN, I. P. - BELYAEV, A. V. - PONIMATKIN, G. - PRONINA, E. Yu. - EIYUBOVA, G. Kh. On the Possibility of Thermalization of Heavy Mesons in Ultrarelativistic Nuclear Collisions. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2017, vol. 124, no. 2, pp. 244-250., Registrované v: WOS
10. [1.1] NASIM, Md. - ESHA, Roli - HUANG, Huan Zhong. An Experimental Review on Heavy-Flavor $v(2)$ in Heavy-Ion Collision. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 7140231., Registrované v: WOS
11. [1.1] RAPP, R. - DU, X. Theoretical Perspective on Quarkonia from SPS via RHIC to LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 216-224., Registrované v: WOS
12. [1.1] SEIFERT, E. - CASSING, W. Baryon-antibaryon dynamics in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 4, art. no. 044907., Registrované v: WOS
13. [1.1] WINN, Michael. Prospects for Quarkonium Measurements in p-A and A-A Collisions at the LHC. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2017, vol. 58, no. 2, art. no. UNSP 53., Registrované v: WOS
14. [1.1] ZHAO, Jiaying - CHEN, Baoyi. Strong diffusion effect of charm quarks on J/ψ production in Pb-Pb collisions at the LHC. In PHYSICS

LETTERS B. ISSN 0370-2693, 2018, vol. 776, pp. 17-21., Registrované v: WOS
 15. [1.1] ZHAO, J.X. - ZHOU, K. - CHEN, S.L. - ZHUANG, P.F. Heavy
 flavors under extreme conditions in high energy nuclear collisions. In
 PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, SEP
 2020, vol. 114., Registrované v: WOS
 16. [1.1] ZHOU, Kai - DAI, Wei - XU, Nu - ZHUANG, Pengfei. Heavy
 Quark and Quarkonium Transport in High Energy Nuclear Collisions. In
 NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 120-127.,
 Registrované v: WOS

ADCA267 ACHARYA, S. - ADAMOŤ, D. - ADOLFSSON, J. - AGGARWAL, M.M. -
 AGLIERI RINELLA, G. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián -
MUŠINSKÝ, Ján - VALA, Martin. J/psi Elliptic Flow in Pb-Pb Collisions at root
 $s(NN)=5.02$ TeV. In *Physical Review Letters*, 2017, vol. 119, no. 24, art. no.
 242301. (2016: 8.462 - IF, Q1 - JCR, 4.196 - SJR, Q1 - SJR, Current Contents -
 CCC). (2017 - Current Contents). ISSN 0031-9007. Dostupné na:
<https://doi.org/10.1103/PhysRevLett.119.242301>

Ohlasy:

1. [1.1] HE, M. - RAPP, R. Hadronization and Charm-Hadron Ratios in
 Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007,
 JAN 31 2020, vol. 124, no. 4., Registrované v: WOS
2. [1.1] CHENG, Peng - LUO, Xiaofeng - PING, Jialun - ZONG,
 Hongshi. Finite volume effects on the quarkonium dissociation temperature in an
 impenetrable QGP sphere. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019,
 vol. 100, no. 1, art. no. 014027., Registrované v: WOS
3. [1.1] CHEN, Baoyi. Thermal production of charmonia in Pb-Pb
 collisions at root $sNN=5.02$ TeV. In CHINESE PHYSICS C. ISSN 1674-1137,
 2019, vol. 43, no. 12, art. no. 124101., Registrované v: WOS
4. [1.1] KELLY, Aoife - ROTHKOPF, Alexander - SKULLERUD,
 Jon-Ivar. Bayesian study of relativistic open and hidden charm in anisotropic
 lattice QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11,
 art. no. 114509., Registrované v: WOS
5. [1.1] KUMAR, V. - SHUKLA, P. - BHATTACHARYYA, A.
 Suppression of quarkonia in PbPb collisions at root $S-NN=5.02$ TeV. In
 JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN
 0954-3899, JAN 2020, vol. 47, no. 1., Registrované v: WOS
6. [1.1] SCHMIDT, I - SIDDIKOV, M. - MUSAKHANOV, M.
 Charmonia suppression in heavy ion collisions: Hot versus cold matter effects. In
 PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 025207.,
 Registrované v: WOS
7. [1.1] ZHAO, J.X. - ZHOU, K. - CHEN, S.L. - ZHUANG, P.F. Heavy
 flavors under extreme conditions in high energy nuclear collisions. In
 PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, SEP
 2020, vol. 114., Registrované v: WOS

ADCA268 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan -
KRIVDA, Marián - PASTIRČÁK, Blahoslav - ŠÁNDOR, Ladislav - VALA,
Martin. J/psi Polarization in pp Collisions at root $s=7$ TeV. In *Physical Review*
Letters, 2012, vol. 108, no. 8, art. no. 082001. (2011: 7.370 - IF, Q1 - JCR, 6.314 -
 SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS,

SCOPUS). ISSN 0031-9007. Dostupné na:
<https://doi.org/10.1103/PhysRevLett.108.082001>

Ohlasy:

1. [1.1] FENG, Y. - GONG, B. - CHANG, C.H. - WANG, J.X.
Remaining parts of the long-standing J/psi polarization puzzle. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 30 2019, vol. 99, no. 1., Registrované v: WOS
2. [1.1] HAN, Hao - MA, Yan-Qing - MENG, Ce - SHAO, Hua-Sheng - CHAO, Kuang-Ta. eta(c) Production at LHC and Implications for the Understanding of J/psi Production. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 9, art. no. 092005., Registrované v: WOS
3. [1.1] HE, Zhi-Guo - KNIEHL, Bernd A. Relativistic corrections to J/psi polarization in photo- and hadroproduction. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 014009., Registrované v: WOS
4. [1.1] CHEUNG, Vincent - VOGT, Ramona. Production and polarization of prompt J/psi in the improved color evaporation model using the k(T)-factorization approach. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 114029., Registrované v: WOS
5. [1.1] KRAETSCHMER, Ilse. Production of eta(c), x(c) and x(b) Mesons in Proton-(Anti) Proton Collisions. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2017, vol. 58, no. 2., Registrované v: WOS
6. [1.1] LANSBERG, J.P. New observables in inclusive production of quarkonia. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, DEC 20 2020, vol. 889, p. 1-106., Registrované v: WOS
7. [1.1] MA, Yan-Qing - STEBEL, Tomasz - VENUGOPALAN, Raju. J/psi polarization in the CGC plus NRQCD approach. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 057., Registrované v: WOS
8. [1.1] MA, Y.Q. - CHAO, K.T. New factorization theory for heavy quarkonium production and decay. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 11 2019, vol. 100, no. 9., Registrované v: WOS
9. [1.1] SHAO, Hua-Sheng - HAN, Hao - MA, Yan-Qing - MENG, Ce - ZHANG, Yu-Jie - CHAO, Kuang-Ta. Yields and polarizations of prompt J/psi and psi(2S) production in hadronic collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 5, art. no. 103., Registrované v: WOS
10. [1.1] SUN, Qing-Feng - JIA, Yu - LIU, Xiaohui - ZHU, Ruilin. Inclusive h(c) production and energy spectrum from e(+) e(-) annihilation at a super B factory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 014039., Registrované v: WOS

ADCA269 ABELEV, Betty - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - ŠÁNDOR, Ladislav - VALA, Martin. J/psi production and nuclear effects in p-Pb collisions at=5.02 TeV. In *Journal of High Energy Physics*, 2014, vol. 2014, no. 2, art. no. 073. (2013: 6.220 - IF, Q1 - JCR, 1.173 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na:
[https://doi.org/10.1007/JHEP02\(2014\)073](https://doi.org/10.1007/JHEP02(2014)073)

Ohlasy:

1. [1.1] ARLEO, Francois - PEIGNE, Stephane. Quarkonium Suppression from Coherent Energy Loss in Fixed-Target Experiments Using

- LHC Beams. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 961951., Registrované v: WOS
2. [1.1] ARLEO, Francois - PEIGNE, Stephane. Disentangling shadowing from coherent energy loss using the Drell-Yan process. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 011502., Registrované v: WOS
 3. [1.1] ARLEO, F. - COUGOULIC, F. - PEIGNE, S. Fully coherent energy loss effects on light hadron production in pA collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 30 2020, no. 9., Registrované v: WOS
 4. [1.1] ARLEO, F. - NAIM, C.J. - PLATCHKOV, S. Initial-state energy loss in cold QCD matter and the Drell-Yan process. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 15 2019, no. 1., Registrované v: WOS
 5. [1.1] DA SILVA, C. L. Nuclear Modification of Excited Quarkonia States from SPS to LHC Energies. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2017, vol. 58, no. 3, art. no. UNSP 108., Registrované v: WOS
 6. [1.1] DUCLOUE, B. - LAPPI, T. - MANTYSAARI, H. Forward J/psi production in proton-nucleus collisions at high energy. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 114005., Registrované v: WOS
 7. [1.1] DUCLOUE, B. - LAPPI, T. - MANTYSAARI, H. Forward J/psi production at high energy: Centrality dependence and mean transverse momentum. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 074031., Registrované v: WOS
 8. [1.1] DUCLOUE, B. - LAPPI, T. - MANTYSAARI, H. Forward J/psi and D meson nuclear suppression at the LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 309-312., Registrované v: WOS
 9. [1.1] GAULD, Rhorry. Forward D predictions for pPb collisions, and sensitivity to cold nuclear matter effects. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1., Registrované v: WOS
 10. [1.1] CHEN, Baoyi - GUO, Tiecheng - LIU, Yunpeng - ZHUANG, Pengfei. Cold and hot nuclear matter effects on charmonium production in p plus Pb collisions at LHC energy. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 765, pp. 323-327., Registrované v: WOS
 11. [1.1] CHEN, Gu - CHANG, Chao-Hsi - WU, Xing-Gang. B-c(*)-meson production via the proton-nucleus and the nucleus-nucleus collision modes at the colliders RHIC and LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 114022., Registrované v: WOS
 12. [1.1] KAMIN, Jason. Hot and cold nuclear matter effects in p-Pb collisions at the LHC. In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, art. no. 03018., Registrované v: WOS
 13. [1.1] KOPELIOVICH, B. Z. - SCHMIDT, Ivan - SIDDIKOV, M. Suppression versus enhancement of heavy quarkonia in pA collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 065203., Registrované v: WOS
 14. [1.1] KUSINA, Aleksander - LANSBERG, Jean-Philippe - SCHIENBEIN, Ingo - SHAO, Hua-Sheng. Gluon Shadowing in Heavy-Flavor

- Production at the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 5, art. no. 052004., Registrované v: WOS
15. [1.1] MANTYSAARI, H. - PAUKKUNEN, H. Saturation and forward jets in proton-lead collisions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 20 2019, vol. 100, no. 11., Registrované v: WOS
16. [1.1] MUNIER, Stephane - PEIGNE, Stephane - PETRESKA, Elena. Medium-induced gluon radiation in hard forward parton scattering in the saturation formalism. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 014014., Registrované v: WOS
17. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS
18. [1.1] PARYEV, E. Ya. - KISELEV, Yu. T. Near-Threshold J/psi-Meson Photoproduction on Nuclei. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2017, vol. 80, no. 1, pp. 67-76., Registrované v: WOS
19. [1.1] SANTOS, H. Results on quarkonia production in Heavy Ion collisions from the ATLAS Experiment. In XIII INTERNATIONAL CONFERENCE ON BEAUTY, CHARM AND HYPERON HADRONS (BEACH 2018). ISSN 1742-6588, 2019, vol. 1137., Registrované v: WOS
20. [1.1] SONG, Li-Hua - YAN, Lin-Wan - DUAN, Chun-Gui. Energy loss effect of incoming gluons from J/Psi production in p-A collisions. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 2, art. no. 023102., Registrované v: WOS
21. [1.1] SONG, Li-Hua - YAN, Lin-Wan - XIN, Shang-Fei. The study of gluon energy loss in cold nuclear matter from J/Psi production. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 12, art. no. 124103., Registrované v: WOS
22. [1.1] SONG, Li-Hua - YAN, Lin-Wan - LIU, Ying. Constraining the colored cc energy loss from J= w production in p- A collisions. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2018, vol. 29, no. 11, art. no. 159., Registrované v: WOS
23. [1.1] SONG, L. H. - DUAN, C. G. J/psi suppression in p-A collisions from charm quark energy loss in cold nuclear matter. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 2, art. no. 025101., Registrované v: WOS
24. [1.1] VOGT, R. Shadowing effects on J/psi and Upsilon production at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 3, art. no. 034909., Registrované v: WOS

ADCA270 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - PASTIRČÁK, Blahoslav - ŠÁNDOR, Ladislav - VALA, Martin. J/psi production as a function of charged particle multiplicity in pp collisions at root s=7 TeV. In *Physics Letters B*, 2012, vol. 712, no. 3, p. 165-175. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2012.04.052>

Ohlasy:

1. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON

INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS

2. [1.1] KORNAKOV, G. - GALATYUK, T. An iterative method to estimate the combinatorial background. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, NOV 2019, vol. 55, no. 11., Registrované v: WOS

3. [1.1] KOVNER, Alex - SKOKOV, Vladimir V. Bose enhancement, the Liouville effective action, and the high multiplicity tail in p A collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 014004., Registrované v: WOS

4. [1.1] KRAETSCHMER, Ilse. Production of eta(c), x(c) and x(b) Mesons in Proton-(Anti) Proton Collisions. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2017, vol. 58, no. 2., Registrované v: WOS

5. [1.1] LANSBERG, J.P. New observables in inclusive production of quarkonia. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, DEC 20 2020, vol. 889, p. 1-106., Registrované v: WOS

6. [1.1] LEVIN, E. - SCHMIDT, I. - SIDDIKOV, M. Multiplicity dependence of quarkonia production in the CGC approach. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 20 2020, vol. 80, no. 6., Registrované v: WOS

7. [1.1] LEVIN, E. - SIDDIKOV, M. J/psi production in hadron scattering: three-pomeron contribution. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, APR 30 2019, vol. 79, no. 5., Registrované v: WOS

8. [1.1] PALNI, P. - KHUNTIA, A. - BARTALINI, P. Evolution of strange and multi-strange hadron production with relative transverse multiplicity activity in underlying event. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 6 2020, vol. 80, no. 10., Registrované v: WOS

9. [1.1] SCHMIDT, I. - SIDDIKOV, M. Production mechanisms of open-heavy flavor mesons. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 20 2020, vol. 101, no. 9., Registrované v: WOS

10. [1.1] SIDDIKOV, M. - SCHMIDT, I. Single diffractive production of open heavy flavor mesons. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 28 2020, vol. 102, no. 7., Registrované v: WOS

11. [1.1] SNIGIREV, A. M. Triple parton scattering in collinear approximation of perturbative QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 034026., Registrované v: WOS

12. [1.1] WINN, Michael. Prospects for Quarkonium Measurements in p-A and A-A Collisions at the LHC. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2017, vol. 58, no. 2, art. no. UNSP 53., Registrované v: WOS

13. [1.1] YU, Haiwang. Study of Charmonia Production vs. Charged Track Multiplicity in p plus p Collisions at PHENIX. In HOT QUARKS 2014: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS. ISSN 1742-6588, 2015, vol. 612, art. no. 012029., Registrované v: WOS

ADCA271 ADAMOVIĆ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - AGRAWAL, N. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. J/psi production as a function of charged-particle pseudorapidity density in p-Pb collisions at $\sqrt{s(NN)}=5.02$ TeV.

In *Physics Letters B*, 2018, vol. 776, p. 91-104. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na:
<https://doi.org/10.1016/j.physletb.2017.11.008>

Ohlasy:

1. [1.1] MA, Yan-Qing - TRIBEDY, Prithwish - VENUGOPALAN, Raju - WATANABE, Kazuhiro. Event engineering studies for heavy flavor production and hadronization in high multiplicity hadron-hadron and hadron-nucleus collisions. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 074025., Registrované v: WOS

ADCA272 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - PASTIRČÁK, Blahoslav - ŠÁNDOR, Ladislav - VALA, Martin. J/psi Suppression at Forward Rapidity in Pb-Pb Collisions at $\sqrt{s(NN)}=2.76$ TeV. In *Physical Review Letters*, 2012, vol. 109, no. 7, art. no. 072301. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na:
<https://doi.org/10.1103/PhysRevLett.109.072301>

Ohlasy:

1. [1.1] ALBA, Paolo - ALBERICO, Wanda Maria - NADA, Alessandro - PANERO, Marco - STOECKER, Horst. Excluded-volume effects for a hadron gas in Yang-Mills theory. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 094511., Registrované v: WOS
2. [1.1] BHAVSAR, Tanvi - SHAH, Manan - VINODKUMAR, P. C. Status of quarkonia-like negative and positive parity states in a relativistic confinement scheme. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 227., Registrované v: WOS
3. [1.1] BLANCO, Javier Martin. Psi(2S) and J/Psi modification in pPb and PbPb collisions at 5.02 TeV with CMS. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2017, vol. 967, pp. 580-583., Registrované v: WOS
4. [1.1] BLANCO, Javier Martin. Charmonium production in pPb and PbPb collisions at 5.02 TeV with CMS. In *17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017)*. ISSN 2100-014X, 2018, vol. 171, art. no. 18009., Registrované v: WOS
5. [1.1] BRUNO, Mattia - CASELLE, Michele - PANERO, Marco - PELLEGRINI, Roberto. Exceptional thermodynamics: the equation of state of G(2) gauge theory. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2015, no. 3, art. no. 057., Registrované v: WOS
6. [1.1] BURNIER, Yannis - KACZMAREK, Olaf - ROTHKOPF, Alexander. Static Quark-Antiquark Potential in the Quark-Gluon Plasma from Lattice QCD. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2015, vol. 114, no. 8, art. no. 082001., Registrované v: WOS
7. [1.1] BURNIER, Yannis - KACZMAREK, Olaf - ROTHKOPF, Alexander. In-medium P-wave quarkonium from the complex lattice QCD potential. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2016, no. 10, art. no. 032., Registrované v: WOS
8. [1.1] DAS, Sabita. Chemical freeze-out parameters in Beam Energy Scan Program of STAR at RHIC. In *XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014)*. ISSN 2100-014X, 2015, vol. 90, art. no. 10003., Registrované v: WOS

9. [1.1] DAS, Sabita. Identified particle production and freeze-out properties in heavy-ion collisions at RHIC Beam Energy Scan program. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. 08007., Registrované v: WOS
10. [1.1] DATTA, Saumen. Quarkonia at finite temperature in relativistic heavy-ion collisions. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2015, vol. 84, no. 5, pp. 881-899., Registrované v: WOS
11. [1.1] FENG, S.Q. - ZHAO, Y.Q. - CHEN, X. Systematical study of thermal width of heavy quarkonia in a finite temperature magnetized background from holography. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 31 2020, vol. 101, no. 2., Registrované v: WOS
12. [1.1] FENG, Yu - LANSBERG, Jean-Philippe - WANG, Jian-Xiong. Energy dependence of direct-quarkonium production in pp collisions from fixed-target to LHC energies: complete one-loop analysis. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 7, art. no. 313., Registrované v: WOS
13. [1.1] GANESH, S. - MISHRA, M. Temperature-dependent formation-time approach for Upsilon suppression at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 91, no. 3, art. no. 034901., Registrované v: WOS
14. [1.1] GANESH, S. - MISHRA, M. pQCD approach to charmonium regeneration in QGP at the LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 947, pp. 38-63., Registrované v: WOS
15. [1.1] GUO, J.H. - DAI, W.S. - XIE, M. - LIU, Y.P. Heavy quarkonium dissociation in the finite space of heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 1 2019, vol. 99, no. 5., Registrované v: WOS
16. [1.1] CHEN, Baoyi. Detailed rapidity dependence of J/psi production at energies available at the Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 5, art. no. 054905., Registrované v: WOS
17. [1.1] CHEN, B.Y. Thermal production of charmonia in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. In CHINESE PHYSICS C. ISSN 1674-1137, DEC 2019, vol. 43, no. 12., Registrované v: WOS
18. [1.1] CHO, Sungtae. Enhanced production of $\psi(2S)$ mesons in heavy ion collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 5, art. no. 054914., Registrované v: WOS
19. [1.1] KAKADE, Uttam - PATRA, Binoy Krishna - THAKUR, Lata. Complex potential and bottomonium suppression at LHC energy. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 9, art. no. 1550043., Registrované v: WOS
20. [1.1] KLUSEK-GAWENDA, Mariola - SZCZUREK, Antoni. Photoproduction of J/Psi mesons in peripheral and semicentral heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 4, art. no. 044912., Registrované v: WOS
21. [1.1] LIU, Shuai Y. F. - RAPP, Ralf. An in-medium heavy-quark potential from the $Q(\bar{Q})$ free energy. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 941, pp. 179-187., Registrované v: WOS
22. [1.1] NAYAK, Gouranga C. Proof of factorization of heavy quarkonium production in non-equilibrium QCD at RHIC and LHC. In

- EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 2, art. no. 52., Registrované v: WOS
23. [1.1] ORNES, S. Physicists look to a new telescope to understand neutron stars and matter at the extremes. In PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. ISSN 0027-8424, NOV 24 2020, vol. 117, no. 47, p. 29249-29252., Registrované v: WOS
24. [1.1] PARYEV, E. Ya. - KISELEV, Yu. T. Near-Threshold J/psi-Meson Photoproduction on Nuclei. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2017, vol. 80, no. 1, pp. 67-76., Registrované v: WOS
25. [1.1] SENGER, P. Nuclear matter physics at NICA. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 8, art. no. 217., Registrované v: WOS
26. [1.1] SINGH, Captain R. - SRIVASTAVA, P. K. - GANESH, S. - MISHRA, M. Unified description of charmonium suppression in a quark-gluon plasma medium at RHIC and LHC energies. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 3, art. no. 034916., Registrované v: WOS
27. [1.1] SINGH, C.R. - GANESH, S. - MISHRA, M. Centrality and transverse momentum dependent suppression of $\psi(1S)$ and $\psi(2S)$ in p-Pb and Pb-Pb collisions at the CERN Large Hadron Collider. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 19 2019, vol. 79, no. 2., Registrované v: WOS
28. [1.1] SONG, L. H. - DUAN, C. G. J/psi suppression in p-A collisions from charm quark energy loss in cold nuclear matter. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 2, art. no. 025101., Registrované v: WOS
29. [1.1] SONG, Taesoo - KO, Che Ming - LEE, Su Houg. Quarkonium formation time in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 4, art. no. 044909., Registrované v: WOS
30. [1.1] SPOUSTA, Martin. On similarity of jet quenching and charmonia suppression. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 767, pp. 10-15., Registrované v: WOS
31. [1.1] TANNENBAUM, M.J. Latest Results from RHIC. In UNIVERSE. JUN 2019, vol. 5, no. 6., Registrované v: WOS
32. [1.1] WINN, Michael. Prospects for Quarkonium Measurements in p-A and A-A Collisions at the LHC. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2017, vol. 58, no. 2, art. no. UNSP 53., Registrované v: WOS
33. [1.1] ZHAO, J.X. - ZHOU, K. - CHEN, S.L. - ZHUANG, P.F. Heavy flavors under extreme conditions in high energy nuclear collisions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, SEP 2020, vol. 114., Registrované v: WOS

ADCA273 ADAM, J. - ADAMOŤ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VAĽA, Martin. J/Psi suppression at forward rapidity in Pb-Pb collisions at $\sqrt{s(NN)}=5.02$ TeV. In *Physics Letters B*, 2017, vol. 766, p. 212-224. (2016: 4.807 - IF, Q1 - JCR, 3.032 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2016.12.064>

Ohlasy:

1. [1.1] ABREU, L. M. - CAVALCANTI, E. - MALBOUISSON, A. P. C. Impact of unitarization on the J/ψ -light meson cross section. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 978, pp. 107-122., Registrované v: WOS
2. [1.1] ABREU, L.M. - NAVARRA, F.S. - NIELSEN, M. Upsilon suppression in a hadron gas. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 9 2020, vol. 101, no. 1., Registrované v: WOS
3. [1.1] AKAMATSU, Yukinao - ASAKAWA, Masayuki - KAJIMOTO, Shiori - ROTHKOPF, Alexander. Quantum dissipation of a heavy quark from a nonlinear stochastic Schrodinger equation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 029., Registrované v: WOS
4. [1.1] BLANCO, Javier Martin. $\Psi(2S)$ and J/Ψ modification in pPb and PbPb collisions at 5.02 TeV with CMS. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 580-583., Registrované v: WOS
5. [1.1] DU, Xiaojian - RAPP, Ralf. In-medium charmonium production in proton-nucleus collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2019, no. 3., Registrované v: WOS
6. [1.1] ELLER, Alexander M. - GHIGLIERI, Jacopo - MOORE, Guy D. Thermal quarkonium mass shift from Euclidean correlators. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 9., Registrované v: WOS
7. [1.1] CHEN, Baoyi. Thermal production of charmonia in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 12., Registrované v: WOS
8. [1.1] CHEN, Y.H. - MA, Y.G. - MA, G.L. - CHEN, J.H. Transverse momentum spectra of J/ψ produced in collisions over an energy range from 17.4 GeV to 13 TeV. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, APR 2020, vol. 47, no. 4., Registrované v: WOS
9. [1.1] KAJIMOTO, Shiori - AKAMATSU, Yukinao - ASAKAWA, Masayuki - ROTHKOPF, Alexander. Dynamical dissociation of quarkonia by wave function decoherence. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 014003., Registrované v: WOS
10. [1.1] KUMAR, V. - SHUKLA, P. - BHATTACHARYYA, A. Suppression of quarkonia in PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JAN 2020, vol. 47, no. 1., Registrované v: WOS
11. [1.1] MA, Rongrong. Quarkonium production in nuclear collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 120-126., Registrované v: WOS
12. [1.1] MIURA, T. - AKAMATSU, Y. - ASAKAWA, M. - ROTHKOPF, A. Quantum Brownian motion of a heavy quark pair in the quark-gluon plasma. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 11 2020, vol. 101, no. 3., Registrované v: WOS
13. [1.1] NAYAK, Gouranga C. Proof of factorization of heavy quarkonium production in non-equilibrium QCD at RHIC and LHC. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 2, art. no. 52., Registrované v: WOS
14. [1.1] ROTHKOPF, A. Heavy quarkonium in extreme conditions. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN

- 0370-1573, MAY 10 2020, vol. 858, p. 1-117., Registrované v: WOS
15. [1.1] SHI, Wei - ZHA, Wangmei - CHEN, Baoyi. Charmonium coherent photoproduction and hadroproduction with effects of quark gluon plasma. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 777, pp. 399-405., Registrované v: WOS
16. [1.1] ZHAO, Jiaxing - CHEN, Baoyi. Strong diffusion effect of charm quarks on J/psi production in Pb-Pb collisions at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 776, pp. 17-21., Registrované v: WOS
17. [1.1] ZHAO, J.X. - ZHOU, K. - CHEN, S.L. - ZHUANG, P.F. Heavy flavors under extreme conditions in high energy nuclear collisions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, SEP 2020, vol. 114., Registrované v: WOS

ADCA274 ACHARYA, S. - ADAM, J. - ADAMOVIĆ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Kaon femtoscopy in Pb-Pb collisions at root s(NN)=2.76 TeV. In *Physical Review C*, 2017, vol. 96, no. 6, art. no. 064613. (2016: 3.820 - IF, Q1 - JCR, 1.936 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.96.064613>

Ohlasy:

1. [1.1] SHAPOVAL, V. M. - SINYUKOV, Yu M. Bulk observables in Pb plus Pb collisions at root S-NN=5.02 TeV at the CERN Large Hadron Collider within the integrated hydrokinetic model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 4, art. no. 044905., Registrované v: WOS

ADCA275 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Ks0 and A production in pp interactions at s = 0.9 and 7 TeV measured with the ATLAS. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2012, vol. 85, no. 1, art. no. 012001. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.85.012001>

Ohlasy:

1. [1.1] KATS, Yevgeny. Measuring polarization of light quarks at ATLAS and CMS. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 071503., Registrované v: WOS

ADCA276 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - ŠÁNDOR, Ladislav - VALA, Martin. K-S(0) and Lambda Production in Pb-Pb Collisions at root s(NN)=2.76 TeV. In *Physical Review Letters*, 2013, vol. 111, no. 22, art. no. 222301. (2012: 7.943 - IF, Q1 - JCR, 6.292 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

1. [1.1] ALBA, Paolo. Role of repulsive interactions in the interplay with missing strange resonances. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 14001., Registrované v: WOS
2. [1.1] ALBA, P. - SARTI, V.M. - NORONHA-HOSTLER, J. -

- PAROTTO, P. - PORTILLO-VAZQUEZ, I. - RATTI, C. - STAFFORD, J.M. Influence of hadronic resonances on the chemical freeze-out in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 15 2020, vol. 101, no. 5., Registrované v: WOS
3. [1.1] ALBA, P. - VOVCHENKO, V. - GORENSTEIN, M. - STOECKER, H. Flavor-dependent eigenvolume interactions in a hadron resonance gas. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 974, pp. 22-34., Registrované v: WOS
4. [1.1] BECATTINI, Francesco - STEINHEIMER, Jan - STOCK, Reinhard - BLEICHER, Marcus. Hadronization conditions in relativistic nuclear collisions and the QCD pseudo-critical line. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 764, pp. 241-246., Registrované v: WOS
5. [1.1] BEGUN, Viktor - FLORKOWSKI, Wojciech. Bose-Einstein condensation of pions in heavy-ion collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 5, art. no. 054909., Registrované v: WOS
6. [1.1] BEITEL, M. - GALLMEISTER, K. - GREINER, C. Fast Dynamical Evolution of Hadron Resonance Gas via Hagedorn States. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. 012076., Registrované v: WOS
7. [1.1] BHATTACHARYYA, S. - BISWAS, D. - GHOSH, S.K. - RAY, R. - SINGHA, P. Systematics of chemical freeze-out parameters in heavy-ion collision experiments. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 4 2020, vol. 101, no. 5., Registrované v: WOS
8. [1.1] BIERLICH, Christian - CHRISTIANSEN, Jesper Roy. Effects of color reconnection on hadron flavor observables. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 094010., Registrované v: WOS
9. [1.1] BISWAS, D. Formation of light nuclei at chemical freezeout: Description within a statistical thermal model. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 3 2020, vol. 102, no. 5., Registrované v: WOS
10. [1.1] CASTORINA, P. - IORIO, A. - LANTERI, D. - SATZ, H. - SPOUSTA, M. Universality in hadronic and nuclear collisions at high energy. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 11 2020, vol. 101, no. 5., Registrované v: WOS
11. [1.1] FLORKOWSKI, Wojciech. Transverse-momentum spectra of strange particles produced in Pb plus Pb collisions at $\sqrt{s(NN)}=2.76$ TeV in the chemical non-equilibrium model. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. 012054., Registrované v: WOS
12. [1.1] FRIGERIO MARTINS, C. - LIMA, J. A. S. - CHIMENTI, P. Galaxy rotation curves and nonextensive statistics. In MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. ISSN 0035-8711, 2015, vol. 449, no. 4, pp. 3645-3650., Registrované v: WOS
13. [1.1] HWA, Rudolph C. - ZHU, Lilin. Universal formula for baryon spectra in heavy-ion collisions and its implications. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 5, art. no. 054908., Registrované v: WOS
14. [1.1] CHO, S. - SUN, K.J. - KO, C.M. - LEE, S.H. - OH, Y. Charmed hadron production in an improved quark coalescence model. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 18 2020, vol. 101, no. 2., Registrované v:

WOS

15. [1.1] KUBOS, J. Studies of Hyperon Production in HADES-Cascade Production. In RECENT PROGRESS IN FEW-BODY PHYSICS. ISSN 0930-8989, 2020, vol. 238, p. 987-994., Registrované v: WOS
16. [1.1] MAZELIAUSKAS, A. - VISLAVICIUS, V. Temperature and fluid velocity on the freeze-out surface from π , K, and p spectra in pp, p-Pb, and Pb-Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 17 2020, vol. 101, no. 1., Registrované v: WOS
17. [1.1] MCDONALD, Scott - SHEN, Chun - FILLION-GOURDEAU, Francois - JEON, Sangyong - GALE, Charles. Hydrodynamic predictions for Pb plus Pb collisions at 5.02 TeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 064913., Registrované v: WOS
18. [1.1] MINISALE, Vincenzo - SCARDINA, Francesco - GRECO, Vincenzo. Hadrons from coalescence plus fragmentation in AA collisions at energies available at the BNL Relativistic Heavy Ion Collider to the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 92, no. 5, art. no. 054904., Registrované v: WOS
19. [1.1] MONNAI, Akihiko - OLLITRAULT, Jean-Yves. Constraining the equation of state with identified particle spectra. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 4, art. no. 044902., Registrované v: WOS
20. [1.1] MOTORNENKO, A. - VOVCHENKO, V. - GREINER, C. - STOECKER, H. Kinetic freeze-out temperature from yields of short-lived resonances. In PHYSICAL REVIEW C. ISSN 0556-2813, AUG 13 2020, vol. 102, no. 2., Registrované v: WOS
21. [1.1] ORTIZ VELASQUEZ, Antonio. Mean $p(T)$ scaling with $m/n(q)$ at the LHC: Absence of (hydro) flow in small systems? In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 943, pp. 9-17., Registrované v: WOS
22. [1.1] PLASTINO, A. - ROCCA, M. C. Analysis of Tsallis' classical partition function's poles. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2017, vol. 487, pp. 196-204., Registrované v: WOS
23. [1.1] PLASTINO, A. - ROCCA, M. C. Quantum q-field theory: q-Schrodinger and q-Klein-Gordon fields. In EPL. ISSN 0295-5075, 2017, vol. 118, no. 6, art. no. 61004., Registrované v: WOS
24. [1.1] PLASTINO, A. - ROCCA, M. C. On the entropic derivation of the $r(-2)$ Newtonian gravity force. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2018, vol. 505, pp. 190-195., Registrované v: WOS
25. [1.1] PLASTINO, A. - ROCCA, M. C. Tsallis' quantum q-fields. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 5, art. no. 053102., Registrované v: WOS
26. [1.1] QIAO, L.Y. - CHE, G.R. - GU, J.B. - ZHENG, H. - ZHANG, W.C. Nuclear modification factor in Pb-Pb and p-Pb collisions using Boltzmann transport equation. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JUL 2020, vol. 47, no. 7., Registrované v: WOS
27. [1.1] QIU, Hui-Bin - SONG, Hai-Ying - LIU, Shi-Bing. Nonlinear Raman forward scattering driven by a short laser pulse in a collisional transversely magnetized plasma with nonextensive distribution. In PHYSICS OF PLASMAS. ISSN 1070-664X, 2015, vol. 22, no. 9, art. no. 092128., Registrované v: WOS

28. [1.1] RAFELSKI, Johann. Melting hadrons, boiling quarks. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 9, art. no. 114., Registrované v: WOS
29. [1.1] RYU, Sangwook - PAQUET, Jean-Francois - SHEN, Chun - DENICOL, Gabriel - SCHENKE, Bjorn - JEON, Sangyong - GALE, Charles. Effects of bulk viscosity and hadronic rescattering in heavy ion collisions at energies available at the BNL Relativistic Heavy Ion Collider and at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034910., Registrované v: WOS
30. [1.1] SAGUN, V. V. - BUGAEV, K. A. - IVANYTSKYI, A. I. - OLIINYCHENKO, D. R. - MISHUSTIN, I. N. Nuclear and hadron matter equation of state within the induced surface tension approach. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 07022., Registrované v: WOS
31. [1.1] SHAO, T.H. - CHEN, J.H. - KO, C.M. - LIN, Z.W. Enhanced production of strange baryons in high-energy nuclear collisions from a multiphase transport model. In PHYSICAL REVIEW C. ISSN 0556-2813, JUL 8 2020, vol. 102, no. 1., Registrované v: WOS
32. [1.1] SUN, Jiayin. Production cross-sections of prompt Lambda(+)(c) in pPb collisions at root s(NN)=5 TeV with the LHCb detector. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 18010., Registrované v: WOS
33. [1.1] SUN, Kai-Jia - CHEN, Lie-Wen. Analytical coalescence formula for particle production in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 4, art. no. 044905., Registrované v: WOS
34. [1.1] SUN, X. - MASUI, H. - POSKANZER, A. M. - SCHMAH, A. Blast wave fits to elliptic flow data at root s(NN)=7.7-2760 GeV. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 2, art. no. 024903., Registrované v: WOS
35. [1.1] TAWFIK, Abdel Nasser - YASSIN, Hayam - ELYAZEED, Eman R. Abo. Strangeness production in high-energy collisions and Hawking-Unruh radiation. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2017, vol. 26, no. 3, art. no. 1750001., Registrované v: WOS
36. [1.1] VOVCHENKO, Volodymyr - STOECKER, Horst. Surprisingly large uncertainties in temperature extraction from thermal fits to hadron yield data at LHC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 5, art. no. 055103., Registrované v: WOS
37. [1.1] VOVCHENKO, Volodymyr - STOECKER, Horst. Examination of the sensitivity of the thermal fits to heavy-ion hadron yield data to the modeling of the eigenvolume interactions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 4, art. no. 044904., Registrované v: WOS
38. [1.1] VOVCHENKO, Volodymyr - GORENSTEIN, Mark - STOECKER, Horst. Finite resonance widths influence the thermal-model description of hadron yields. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034906., Registrované v: WOS
39. [1.1] VOVCHENKO, V. - GORENSTEIN, M. I. - SATAROV, L. M.

- STOECKER, H. Chemical Freeze-Out Conditions in Hadron Resonance Gas. In NEW HORIZONS IN FUNDAMENTAL PHYSICS, 2017, pp. 127-137.,
Registrované v: WOS

40. [1.1] VOYCHENKO, Volodymyr - STOECKER, Horst. Analysis of hadron yield data within hadron resonance gas model with multi-component eigenvolume corrections. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. 012078., Registrované v: WOS

41. [1.1] ZAMORA, D. J. - ROCCA, M. C. - PLASTINO, A. - FERRI, G. L. Verlinde's emergent gravity in an n-dimensional, non-additive Tsallis' scenario. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2018, vol. 506, pp. 1050-1059.,
Registrované v: WOS

42. [1.1] ZAMORA, D. J. - ROCCA, M. C. - PLASTINO, A. - FERRI, G. L. q-Path entropy phenomenology for phase-space curves. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2018, vol. 490, pp. 1522-1531., Registrované v: WOS

43. [1.1] ZHENG, H. - ZHU, Lilin. Can Tsallis Distribution Fit All the Particle Spectra Produced at RHIC and LHC? In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 180491., Registrované v: WOS

44. [1.1] ZHU, L.L. - HWA, R.C. A unified study of the production of all identified hadrons over wide ranges of transverse momenta at LHC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, MAY 2020, vol. 47, no. 5., Registrované v: WOS

ADCA277 ABELEV, Betty - ADAM, J. - ADAMOVIĆ, D. - AGGARWAL, M.M. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. $K^*(892)(0)$ and $\phi(1020)$ production in Pb-Pb collisions at root $s(NN)=2.76$ TeV. In *Physical Review C. Nuclear physics*, 2015, vol. 91, no. 2, art. no. 024609. (2014: 3.733 - IF, Q1 - JCR, 2.480 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na:
<https://doi.org/10.1103/PhysRevC.91.024609>

Ohlasy:

1. [1.1] ABREU, L.M. - NAVARRA, F.S. - NIELSEN, M. Upsilon suppression in a hadron gas. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 9 2020, vol. 101, no. 1., Registrované v: WOS

2. [1.1] ALBA, P. - SARTI, V.M. - NORONHA-HOSTLER, J. - PAROTTO, P. - PORTILLO-VAZQUEZ, I. - RATTI, C. - STAFFORD, J.M. Influence of hadronic resonances on the chemical freeze-out in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 15 2020, vol. 101, no. 5., Registrované v: WOS

3. [1.1] ALBA, P. - VOYCHENKO, V. - GORENSTEIN, M. - STOECKER, H. Flavor-dependent eigenvolume interactions in a hadron resonance gas. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 974, pp. 22-34., Registrované v: WOS

4. [1.1] ARAKELYAN, G. H. - MERINO, C. - SHABELSKI, Yu. M. Production of phi Mesons on Nuclear Targets in the Quark-Gluon String Model. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2017, vol. 80, no. 6, pp.

1198-1205., Registrované v: WOS

5. [1.1] ARAKELYAN, G. H. - MERINO, C. - SHABELSKI, Yu M. Description of phi-meson production in hadronic and nuclear collisions at very high energies. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 33, art. no. 1850202., Registrované v: WOS

6. [1.1] ARAKELYAN, G. H. - MERINO, C. - SHABELSKI, Yu M. Theoretical description of hadroproduction and production on nuclear targets of phi-mesons at very high energies. In XIII INTERNATIONAL CONFERENCE ON BEAUTY, CHARM AND HYPERON HADRONS (BEACH 2018). ISSN 1742-6588, 2019, vol. 1137., Registrované v: WOS

7. [1.1] BARTALINI, P. - GAUNT, J. R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, pp. 1-+., Registrované v: WOS

8. [1.1] BASHIR, Inam-ul - UDDIN, Saeed. Centrality Dependence of $K^*(892)(0)$ and $\phi(1020)$ Production at LHC. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2017, vol. 68, no. 4, pp. 500-504., Registrované v: WOS

9. [1.1] BECATTINI, Francesco - STEINHEIMER, Jan - STOCK, Reinhard - BLEICHER, Marcus. Hadronization conditions in relativistic nuclear collisions and the QCD pseudo-critical line. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 764, pp. 241-246., Registrované v: WOS

10. [1.1] BEGUN, Viktor - FLORKOWSKI, Wojciech. Bose-Einstein condensation of pions in heavy-ion collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 5, art. no. 054909., Registrované v: WOS

11. [1.1] CABRERA, D. - BLIN, A. N. Hiller - VACAS, M. J. Vicente - DE CORDOBA, P. Fernandez. phi meson transparency in nuclei from phi N resonant interactions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 3, art. no. 034618., Registrované v: WOS

12. [1.1] CABRERA, D. - HILLER BLIN, A. N. - VICENTE VACAS, M. J. phi meson self-energy in nuclear matter from phi N resonant interactions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 1, art. no. 015201., Registrované v: WOS

13. [1.1] CAI, Yiming - COHEN, Thomas D. - GELMAN, Boris A. - YAMAUCHI, Yukari. Yields of weakly bound light nuclei as a probe of the statistical hadronization model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2., Registrované v: WOS

14. [1.1] FLORKOWSKI, Wojciech. Transverse-momentum spectra of strange particles produced in Pb plus Pb collisions at $\sqrt{s(NN)}=2.76$ TeV in the chemical non-equilibrium model. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012054., Registrované v: WOS

15. [1.1] HE, Xing-Wei - WEI, Hua-Rong - LIU, Fu-Hu. Chemical potentials of light hadrons and quarks from yield ratios of negative to positive particles in high energy pp collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 2., Registrované v: WOS

16. [1.1] HWA, Rudolph C. - ZHU, Lilin. Phenomenological Implications of the $p(T)$ Spectra of phi and Omega produced at LHC and RHIC.

In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012049., Registrované v: WOS

17. [1.1] HWA, Rudolph C. - ZHU, Lilin. Universal formula for baryon spectra in heavy-ion collisions and its implications. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 5, art. no. 054908., Registrované v: WOS

18. [1.1] CHO, Sungtae - LEE, Su Houng. Reduction of the K^* meson abundance in heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034908., Registrované v: WOS

19. [1.1] CHO, Sungtae - SONG, Taesoo - LEE, Su Houng. Kinetic freeze-out conditions for the production of resonances, hadronic molecules, and light nuclei. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 2, art. no. 024911., Registrované v: WOS

20. [1.1] KANAKUBO, Y. - TACHIBANA, Y. - HIRANO, T. Unified description of hadron yield ratios from dynamical core-corona initialization. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 24 2020, vol. 101, no. 2., Registrované v: WOS

21. [1.1] LIU, X. Y. - CHEN, J. H. - MA, C. W. - MA, Y. G. A study on $K^*(892)(0)$ and $\phi(1020)$ production in p-Pb and Pb-Pb collisions at the LHC from a multiphase transport model. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 2, art. no. 025102., Registrované v: WOS

22. [1.1] MARTINEZ TORRES, A. - KHEMCHANDANI, K. P. - ABREU, L. M. - NAVARRA, F. S. - NIELSEN, M. Absorption and production cross sections of K and K^* . In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 056001., Registrované v: WOS

23. [1.1] MCDONALD, Scott - SHEN, Chun - FILLION-GOURDEAU, Francois - JEON, Sangyong - GALE, Charles. Hydrodynamic predictions for Pb plus Pb collisions at 5.02 TeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 064913., Registrované v: WOS

24. [1.1] MELO, Ivan - TOMASIK, Boris. Reconstructing the final state of Pb plus Pb collisions at root s(NN)=2.76TeV. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 1, art. no. 015102., Registrované v: WOS

25. [1.1] MINISALE, Vincenzo - SCARDINA, Francesco - GRECO, Vincenzo. Hadrons from coalescence plus fragmentation in AA collisions at energies available at the BNL Relativistic Heavy Ion Collider to the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 92, no. 5, art. no. 054904., Registrované v: WOS

26. [1.1] MOTORNENKO, A. - VOVCHENKO, V. - GREINER, C. - STOECKER, H. Kinetic freeze-out temperature from yields of short-lived resonances. In PHYSICAL REVIEW C. ISSN 0556-2813, AUG 13 2020, vol. 102, no. 2., Registrované v: WOS

27. [1.1] ORTIZ VELASQUEZ, Antonio. Mean p(T) scaling with m/n(q) at the LHC: Absence of (hydro) flow in small systems? In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 943, pp. 9-17., Registrované v: WOS

28. [1.1] ORTIZ, Antonio. Light flavor results in p-Pb collisions with ALICE. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 757-760., Registrované v: WOS

29. [1.1] PARYEV, E. Ya. Momentum dependence of pion-induced ϕ

meson production on nuclei near threshold. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 8, art. no. 084101., Registrované v: WOS

30. [1.1] POBEREZHNYUK, R. - VOVCHENKO, V. - MOTORNENKO, A. - GORENSTEIN, M. - STOECKER, H. Chemical freeze-out conditions and fluctuations of conserved charges in heavy-ion collisions within a quantum van der Waals model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 5., Registrované v: WOS

31. [1.1] PU, Jie - SUN, Kai-Jia - CHEN, Lie-Wen. Extracting strange-quark freeze-out information in Pb plus Pb collisions at root S-NN=2.76 TeV from phi and ohm production. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 6, art. no. 064905., Registrované v: WOS

32. [1.1] RIABOV, V. G. Resonance production in ALICE. In INTERNATIONAL CONFERENCE ON PARTICLE PHYSICS AND ASTROPHYSICS. ISSN 1742-6588, 2017, vol. 798, art. no. UNSP 012054., Registrované v: WOS

33. [1.1] RISTEA, O. - RISTEA, C. - JIPA, A. Strange particle effective temperatures in relativistic nuclear collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, FEB 2020, vol. 29, no. 2., Registrované v: WOS

34. [1.1] SATAROV, L. M. - VOVCHENKO, V. - ALBA, P. - GORENSTEIN, M. I. - STOECKER, H. New scenarios for hard-core interactions in a hadron resonance gas. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 2, art. no. 024902., Registrované v: WOS

35. [1.1] SHEN, Ke-Ming. Analysis on hadron spectra in heavy-ion collisions with a new non-extensive approach. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 10., Registrované v: WOS

36. [1.1] SINYUKOV, Yu M. - SHAPOVAL, V. M. Particle production at energies available at the CERN Large Hadron Collider within an evolutionary model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 6, art. no. 064901., Registrované v: WOS

37. [1.1] SNELLINGS, Raimond. How much does the hadronic phase contribute to the observed anisotropic flow at the LHC? In RESONANCE WORKSHOP AT CATANIA. ISSN 2100-014X, 2015, vol. 97, art. no. 00025., Registrované v: WOS

38. [1.1] SUN, Kai-Jia - CHEN, Lie-Wen. Production of Lambda Lambda and (Lambda n)over-bar in central Pb plus Pb collisions at root sNN=2.76 TeV within a covariant coalescence model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 6, art. no. 064908., Registrované v: WOS

39. [1.1] SUN, Kai-Jia - CHEN, Lie-Wen. Analytical coalescence formula for particle production in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 4, art. no. 044905., Registrované v: WOS

40. [1.1] TOLOS, Laura. Medium modification of strange hadronic resonances at SIS, RHIC and LHC energies. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 09003., Registrované v: WOS

41. [1.1] TORRES-RINCON, Juan M. - SINTES, Benjamin - AICHELIN, Joerg. Flavor dependence of baryon melting temperature in effective models of QCD. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no.

6, art. no. 065206., Registrované v: WOS

42. [1.1] VOVCHENKO, Volodymyr - STOECKER, Horst. Surprisingly large uncertainties in temperature extraction from thermal fits to hadron yield data at LHC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 5, art. no. 055103., Registrované v: WOS

43. [1.1] VOVCHENKO, Volodymyr - STOECKER, Horst. Examination of the sensitivity of the thermal fits to heavy-ion hadron yield data to the modeling of the eigenvolume interactions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 4, art. no. 044904., Registrované v: WOS

44. [1.1] VOVCHENKO, Volodymyr - GORENSTEIN, Mark - STOECKER, Horst. Finite resonance widths influence the thermal-model description of hadron yields. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034906., Registrované v: WOS

45. [1.1] VOVCHENKO, V. - GALLMEISTER, K. - SCHAFFNER-BIELICH, J. - GREINER, C. Nucleosynthesis in heavy-ion collisions at the LHC via the Saha equation. In PHYSICS LETTERS B. ISSN 0370-2693, JAN 10 2020, vol. 800., Registrované v: WOS

46. [1.1] VOVCHENKO, V. - GORENSTEIN, M. I. - SATAROV, L. M. - STOECKER, H. Chemical Freeze-Out Conditions in Hadron Resonance Gas. In NEW HORIZONS IN FUNDAMENTAL PHYSICS, 2017, pp. 127-137., Registrované v: WOS

47. [1.1] VOYCHENKO, Volodymyr - STOECKER, Horst. Analysis of hadron yield data within hadron resonance gas model with multi-component eigenvolume corrections. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012078., Registrované v: WOS

48. [1.1] WAQAS, M. - LIU, F-H - FAKHRADDIN, S. - RAHIM, M. A. Possible scenarios for single, double, or multiple kinetic freeze-out in high-energy collisions. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, 2019, vol. 93, no. 10, pp. 1329-1343., Registrované v: WOS

49. [1.1] WATANABE, Yosuke. Experimental overview on hadronic resonance production in high-energy nuclear collisions. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012018., Registrované v: WOS

50. [1.1] WEI, Hua-Rong - LIU, Fu-Hu - LACEY, Roy A. Disentangling random thermal motion of particles and collective expansion of source from transverse momentum spectra in high energy collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 12, art. no. 125102., Registrované v: WOS

51. [1.1] WEI, Hua-Rong - LIU, Fu-Hu - LACEY, Roy A. Kinetic freeze-out temperature and flow velocity extracted from transverse momentum spectra of final-state light flavor particles produced in collisions at RHIC and LHC. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 4, art. no. 102., Registrované v: WOS

52. [1.1] XU, Peng-Zhi - ZHANG, Wei-Ning. Squeezed back-to-back correlations of bosons with nonzero widths in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 1., Registrované v: WOS

53. [1.1] ZHENG, H. - ZHU, Lilin. Can Tsallis Distribution Fit All the Particle Spectra Produced at RHIC and LHC? In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 180491., Registrované v: WOS

ADCA278 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. $K^*(892)(0)$ and $\phi(1020)$ meson production at high transverse momentum in pp and Pb-Pb collisions at root sNN=2.76 TeV. In *Physical Review C*, 2017, vol. 95, no. 6, art. no. 064606. (2016: 3.820 - IF, Q1 - JCR, 1.936 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.95.064606>

Ohlasy:

1. [1.1] ABREU, L.M. - NAVARRA, F.S. - NIELSEN, M. Upsilon suppression in a hadron gas. In *PHYSICAL REVIEW C*. ISSN 2469-9985, JAN 9 2020, vol. 101, no. 1., Registrované v: WOS
2. [1.1] ARAKELYAN, G. H. - MERINO, C. - SHABELSKI, Yu M. Description of phi-meson production in hadronic and nuclear collisions at very high energies. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2018, vol. 33, no. 33, art. no. 1850202., Registrované v: WOS
3. [1.1] ARAKELYAN, G. H. - MERINO, C. - SHABELSKI, Yu M. Theoretical description of hadroproduction and production on nuclear targets of phi-mesons at very high energies. In *XIII INTERNATIONAL CONFERENCE ON BEAUTY, CHARM AND HYPERON HADRONS (BEACH 2018)*. ISSN 1742-6588, 2019, vol. 1137., Registrované v: WOS
4. [1.1] BEGUN, Viktor. Resonances in a sudden chemical freeze-out model. In *17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017)*. ISSN 2100-014X, 2018, vol. 171, art. no. 15002., Registrované v: WOS
5. [1.1] DAI WEI - XING HONGXI - ZHANG BEN-WEI - WANG ENKE - WANG XIN-NIAN. Multiple scattering and parton energy loss in nuclei. In *SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA*. ISSN 1674-7275, 2019, vol. 49, no. 10., Registrované v: WOS
6. [1.1] LIU, X. Y. - CHEN, J. H. - MA, C. W. - MA, Y. G. A study on $K^*(892)(0)$ and $\phi(1020)$ production in p-Pb and Pb-Pb collisions at the LHC from a multiphase transport model. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*. ISSN 0954-3899, 2018, vol. 45, no. 2, art. no. 025102., Registrované v: WOS
7. [1.1] MA, Guo-Yang - DAI, Wei - ZHANG, Ben-Wei - WANG, Enke. NLO Productions of Λ and $\Lambda(1520)$ with a global extraction of the jet transport parameter in heavy-ion collisions. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2019, vol. 79, no. 6., Registrované v: WOS
8. [1.1] SAVEETHA, H. - INDUMATHI, D. Fragmentation of omega and phi mesons in e(+) e(-) and pp collisions at NLO. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2017, vol. 32, no. 33, art. no. 1750199., Registrované v: WOS
9. [1.1] YANG, Liwen - WANG, Yanyun - HAO, Wenhui - LIU, Na - DU, Xiaoling - ZHANG, Wenchao. Universal scaling of strange particle p(T)

spectra in pp collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 4, art. no. 54., Registrované v: WOS

ADCA279 ACHARYA, S. - ACOSTA, D. - ADAMOVÁ, D. - ADHYA, S.P. - ADLER, A. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Lambda(+)(C) production in pb-pb collisions at root S-NN=5.02 TeV. In *Physics Letters B*, 2019, vol. 793, p. 212-223. (2018: 4.162 - IF, Q2 - JCR, 1.806 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2019.04.046>

Ohlasy:

1. [1.1] ANDREEV, O. Baryon modes in string breaking from gauge/string duality. In PHYSICS LETTERS B. ISSN 0370-2693, MAY 10 2020, vol. 804., Registrované v: WOS
2. [1.1] ANDREEV, O. String breaking, baryons, medium, and gauge/string duality. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 4 2020, vol. 101, no. 10., Registrované v: WOS
3. [1.1] HAIDENBAUER, J. - KREIN, G. - PEIXOTO, T.C. Femtoscopic correlations and the Lambda N-c interaction. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, JUL 18 2020, vol. 56, no. 7., Registrované v: WOS
4. [1.1] HAIDENBAUER, J. - NOGGA, A. - VIDANA, I. Predictions for charmed nuclei based on YcN forces inferred from lattice QCD simulations. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, JUL 30 2020, vol. 56, no. 7., Registrované v: WOS
5. [1.1] HE, M. - RAPP, R. Hadronization and Charm-Hadron Ratios in Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, JAN 31 2020, vol. 124, no. 4., Registrované v: WOS
6. [1.1] PARVAN, A.S. - BHATTACHARYYA, T. Hadron transverse momentum distributions of the Tsallis normalized and unnormalized statistics. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, FEB 27 2020, vol. 56, no. 2., Registrované v: WOS
7. [1.1] WOLSCHIN, G. Aspects of Relativistic Heavy-Ion Collisions. In UNIVERSE. MAY 2020, vol. 6, no. 5., Registrované v: WOS

ADCA280 ACHARYA, S. - ACOSTA, F.T. - ADAMOVÁ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Lambda(+)(c) production in pp collisions at root s=7 TeV and in p-Pb collisions at root s(NN)=5.02 TeV. In *Journal of High Energy Physics*, 2018, no. 4, art. no. 108. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP04\(2018\)108](https://doi.org/10.1007/JHEP04(2018)108)

Ohlasy:

1. [1.1] BEDIAGA, I. - GOBEL, C. Direct CP violation in beauty and charm hadron decays. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, SEP 2020, vol. 114., Registrované v: WOS
2. [1.1] DONG, Xin - LEE, Yen-Jie - RAPP, Ralf. Open Heavy-Flavor Production in Heavy-Ion Collisions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 69. ISSN 0163-8998, 2019, vol. 69, pp. 417-445., Registrované v: WOS

3. [1.1] GRAZIANI, Giacomo. Results on heavy ion physics at LHCb. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2018). ISSN 1742-6588, 2019, vol. 1271, art. no. 012008., Registrované v: WOS
4. [1.1] HAIDENBAUER, J. - KREIN, G. - PEIXOTO, T.C. Femtoscopic correlations and the Lambda N-c interaction. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, JUL 18 2020, vol. 56, no. 7., Registrované v: WOS
5. [1.1] HE, Min - RAPP, Ralf. Charm-baryon production in proton-proton collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 795, pp. 117-121., Registrované v: WOS
6. [1.1] HE, M. - RAPP, R. Hadronization and Charm-Hadron Ratios in Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, JAN 31 2020, vol. 124, no. 4., Registrované v: WOS
7. [1.1] KNIEHL, B.A. - KRAMER, G. - SCHIENBEIN, I. - SPIESBERGER, H. Lambda(+/-)(c) production in pp collisions with a new fragmentation function. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 22 2020, vol. 101, no. 11., Registrované v: WOS
8. [1.1] MACIULA, Rafal - SZCZUREK, Antoni. Production of Lambda(c) baryons at the LHC within the k(T)-factorization approach and independent parton fragmentation picture. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 014016., Registrované v: WOS
9. [1.1] NIGMATKULOV, Grigory. STAR Highlights and Future. In 4TH INTERNATIONAL CONFERENCE ON PARTICLE PHYSICS AND ASTROPHYSICS (ICPPA-2018). ISSN 1742-6588, 2019, vol. 1390, art. no. 012020., Registrované v: WOS
10. [1.1] SHAO, H.S. J/psi meson production in association with an open charm hadron at the LHC: A reappraisal. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 24 2020, vol. 102, no. 3., Registrované v: WOS
11. [1.1] VANEK, Jan. Open-Charm Hadron Measurements in Au+Au Collisions at root s(NN) = 200 GeV by the STAR Experiment. In UNIVERSE, 2019, vol. 5, no. 9, art. no. 196., Registrované v: WOS

ADCA281 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - PASTIRČÁK, Blahoslav - ŠÁNDOR, Ladislav - VALA, Martin. Light vector meson production in pp collisions at root s=7 TeV ALICE Collaboration. In *Physics Letters B*, 2012, vol. 710, no. 4-5, p. 557-568. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2012.03.038>

Ohlasy:

1. [1.1] ARAKELYAN, G. H. - MERINO, C. - SHABELSKI, Yu M. Description of phi-meson production in hadronic and nuclear collisions at very high energies. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 33, art. no. 1850202., Registrované v: WOS
2. [1.1] CASULA, Ester Anna Rita. Low mass dimuon production in pp, p-Pb and Pb-Pb collisions with the ALICE muon spectrometer. In HOT QUARKS 2014: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS. ISSN 1742-6588, 2015, vol. 612, art. no. 012025., Registrované v: WOS

3. [1.1] GAO, L.N. - LIU, F.H. Transverse momentum spectra of heavy baryons and mesons in forward rapidity range in small collision system at the LHC. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, SEP 2020, vol. 94, no. 9, p. 1431-1450., Registrované v: WOS
4. [1.1] LI, Li-Li - LIU, Fu-Hu. Energy dependent kinetic freeze-out temperature and transverse flow velocity in high energy collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 10, art. no. 169., Registrované v: WOS
5. [1.1] LI, L.L. - LIU, F.H. Kinetic Freeze-Out Properties from Transverse Momentum Spectra of Pions in High Energy Proton-Proton Collisions. In PHYSICS. JUN 2020, vol. 2, no. 2, p. 277-308., Registrované v: WOS
6. [1.1] SARSOOR, Murad. phi Meson Measurements at RHIC with the PHENIX Detector. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 13004., Registrované v: WOS
7. [1.1] WANG, Q. - LIU, F.H. Initial and Final State Temperatures of Antiproton Emission Sources in High Energy Collisions. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, DEC 2019, vol. 58, no. 12, p. 4119-4138., Registrované v: WOS
8. [1.1] WANG, Q. - LIU, F.H. Excitation Function of Initial Temperature of Heavy Flavor Quarkonium Emission Source in High Energy Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, AUG 17 2020, vol. 2020., Registrované v: WOS
9. [1.1] WANG, Q. - YANG, P.P. - LIU, F.H. Comparing a few distributions of transverse momenta in high energy collisions. In RESULTS IN PHYSICS. ISSN 2211-3797, MAR 2019, vol. 12, p. 259-267., Registrované v: WOS
10. [1.1] WAQAS, M. - LIU, F.H. - FAKHRADDIN, S. - RAHIM, M.A. Possible scenarios for single, double, or multiple kinetic freeze-out in high-energy collisions. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, OCT 2019, vol. 93, no. 10, p. 1329-1343., Registrované v: WOS
11. [1.1] WAQAS, M. - LIU, F.H. Initial, effective, and kinetic freeze-out temperatures from transverse momentum spectra in high-energy proton(deuteron)-nucleus and nucleus-nucleus collisions. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, JAN 28 2020, vol. 135, no. 2., Registrované v: WOS

ADCA282 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Light-quark and gluon jet discrimination in collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *European Physical Journal C*, 2014, vol. 74, no. 8, art. no. 3023. (2013: 5.436 - IF, Q1 - JCR, 2.323 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-014-3023-z>

Ohlasy:

1. [1.1] ANDREASSEN, A. - FEIGE, I. - FRYE, C. - SCHWARTZ, M.D. BINARY JUNIPR: An Interpretable Probabilistic Model for Discrimination. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, OCT 31 2019, vol. 123, no. 18., Registrované v: WOS
2. [1.1] BANFI, Andrea - BOND, Andrew - MARTIN, Adam - SANZ,

- Veronica. Digging for top squarks from Higgs data: from signal strengths to differential distributions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 171., Registrované v: WOS
3. [1.1] BLANCE, A. - SPANNOVSKY, M. - WAITE, P. Adversarially-trained autoencoders for robust unsupervised new physics searches. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 4 2019, no. 10., Registrované v: WOS
4. [1.1] BRIGHT-THONNEY, S. - NACHMAN, B. Investigating the topology dependence of quark and gluon jets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 18 2019, no. 3., Registrované v: WOS
5. [1.1] COHEN, T. - DOSS, J. - FREYTSIS, M. Jet substructure from dark sector showers. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 17 2020, no. 9., Registrované v: WOS
6. [1.1] COLLINS, J.H. - HOWE, K. - NACHMAN, B. Extending the search for new resonances with machine learning. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 28 2019, vol. 99, no. 1., Registrované v: WOS
7. [1.1] DE LIMA, Danilo Ferreira - PETROV, Petar - SOPER, Davison - SPANNOVSKY, Michael. Quark-gluon tagging with shower deconstruction: Unearthing dark matter and Higgs couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034001., Registrované v: WOS
8. [1.1] FRASER, Katherine - SCHWARTZ, Matthew D. Jet charge and machine learning. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 093., Registrované v: WOS
9. [1.1] CHO, Y. Two Types of Jets and Quark and Chromon Model in QCD. In UNIVERSE. FEB 2019, vol. 5, no. 2., Registrované v: WOS
10. [1.1] KOMISKE, Patrick T. - METODIEV, Eric M. - THALER, Jesse. An operational definition of quark and gluon jets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 059., Registrované v: WOS
11. [1.1] KOMISKE, P.T. - METODIEV, E.M. - THALER, J. Energy flow networks: deep sets for particle jets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 15 2019, no. 1., Registrované v: WOS
12. [1.1] KUMAR, R. - BANSAL, M. - BANSAL, S. Jet fragmentation as a tool to explore double parton scattering using Z-boson plus jets processes at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 17 2019, vol. 99, no. 9., Registrované v: WOS
13. [1.1] LARKOSKI, Andrew J. - MOULT, Ian. Singular behavior of jet substructure observables. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 014017., Registrované v: WOS
14. [1.1] LARKOSKI, A.J. - METODIEV, E.M. A theory of quark vs. gluon discrimination. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 3 2019, no. 10., Registrované v: WOS
15. [1.1] MARTIN, Adam - ROY, Tuhin S. Cautionary tale of mismeasured tails from q/g bias. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 014003., Registrované v: WOS
16. [1.1] MASCARENHAS, John. A Concise Update on Risk Factors, Therapy, and Outcome of Leukemic Transformation of Myeloproliferative Neoplasms. In CLINICAL LYMPHOMA MYELOMA & LEUKEMIA. ISSN 2152-2650, 2016, vol. 16, pp. S124-S129., Registrované v: WOS
17. [1.1] METODIEV, Eric M. - THALER, Jesse. Jet Topics:

Disentangling Quarks and Gluons at Colliders. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 24, art. no. 241602., Registrované v: WOS

18. [1.1] PARK, M. - ZHANG, M. Tagging a jet from a dark sector with jet substructures at colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 4 2019, vol. 100, no. 11., Registrované v: WOS

19. [1.1] PENG, J.C. - CHANG, W.C. - MCCLELLAN, R.E. - TERYAEV, O. Lepton angular distribution of Z boson production and jet discrimination. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2019, vol. 797., Registrované v: WOS

20. [1.1] REICHEL, Daniel - RICHARDSON, Peter - SIODMOK, Andrzej. Improving the simulation of quark and gluon jets with Herwig 7. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 876., Registrované v: WOS

21. [1.1] SAKAKI, Y. Quark jet rates and quark-gluon discrimination in multijet final states. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 18 2019, vol. 99, no. 11., Registrované v: WOS

22. [1.1] SIODMOK, Andrzej. QUARK/GLUON JETS DISCRIMINATION AND ITS CONNECTION TO COLOUR RECONNECTION. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 12, pp. 2341-2346., Registrované v: WOS

23. [1.1] TRIPATHEE, Aashish - XUE, Wei - LARKOSKI, Andrew - MARZANI, Simone - THALER, Jesse. Jet substructure studies with CMS open data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074003., Registrované v: WOS

ADCA283 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Limits on the production of the standard model Higgs boson in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *European Physical Journal C*, 2011, vol. 71, no. 9, art. no. 1728. (2010: 3.248 - IF, Q2 - JCR, 2.215 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-011-1728-9>

Ohlasy:

1. [1.1] GAINER, James S. - GONZALEZ-ALONSO, Martn - GRELJO, Admir - ISAKOVIC, Senad - ISIDORI, Gino - KORYTOV, Andrey - LYKKEN, Joseph - MARZOCCA, David - MATCHEV, Konstantin T. - MILENOVIC, Predrag - MITSSELMAKHER, Guenakh - MRENNNA, Stephen - PARK, Myeonghun - RINKEVICIUS, Aurelijus - SELIMOVIC, Nudzeim. Adding pseudo-observables to the four-lepton experimentalist's toolbox. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 073., Registrované v: WOS

ADCA284 ACHARYA, S. - ADAMOVIĆ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Linear and non-linear flow mode in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. In *Physics Letters B*, 2017, vol. 773, p. 68-80. (2016: 4.807 - IF, Q1 - JCR, 3.032 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2017.07.060>

Ohlasy:

1. [1.1] BOZEK, Piotr. Principal component analysis of the nonlinear coupling of harmonic modes in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034905., Registrované v: WOS
2. [1.1] GIACALONE, Giuliano - YAN, Li - OLLITRAULT, Jean-Yves. Nonlinear coupling of flow harmonics: Hexagonal flow and beyond. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 5, art. no. 054905., Registrované v: WOS
3. [1.1] GIACALONE, Giuliano. Nonlinear coupling of flow harmonics in heavy-ion collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 379-382., Registrované v: WOS
4. [1.1] CHATTOPADHYAY, Chandrodoy - BHALERAO, Rajeev S. - OLLITRAULT, Jean-Yves - PAL, Subrata. Effects of initial-state dynamics on collective flow within a coupled transport and viscous hydrodynamic approach. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034915., Registrované v: WOS
5. [1.1] KURKELA, A. - TAGHAVI, S.F. - WIEDEMANN, U.A. - WU, B. Hydrodynamization in systems with detailed transverse profiles. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS
6. [1.1] LIU, Peifeng - LACEY, Roy A. Acoustic scaling of linear and mode-coupled anisotropic flow; implications for precision extraction of the specific shear viscosity. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 021902., Registrované v: WOS
7. [1.1] LI, Y.A. - ZHANG, S. - MA, Y.G. Signatures of alpha-clustering in O-16 by using a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 11 2020, vol. 102, no. 5., Registrované v: WOS
8. [1.1] WEI, De-Xian - HUANG, Xu-Guang - YAN, Li. Hydrodynamic response in simulations within a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 4, art. no. 044908., Registrované v: WOS
9. [1.1] WU, Xiang-Yu - PANG, Long-Gang - QIN, Guang-You - WANG, Xin-Nian. Longitudinal fluctuations and decorrelations of anisotropic flows at energies available at the CERN Large Hadron Collider and at the BNL Relativistic Heavy Ion Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 024913., Registrované v: WOS
10. [1.1] YAN, Li. A flow paradigm in heavy-ion collisions. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 4, art. no. 042001., Registrované v: WOS

ADCA285 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - ŠÁNDOR, Ladislav - VALA, Martin. Long-range angular correlations of pi, K and p in p-Pb collisions at root s(NN)=5.02 TeV. In *Physics Letters B*, 2013, vol. 726, no. 1-3, p. 164-177. (2012: 4.569 - IF, Q1 - JCR, 3.353 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2013.08.024>

Ohlasy:

1. [1.1] BARANOV, S. P. - REZAEIAN, Amir H. Prompt double J/psi

- production in proton-proton collisions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 114011., Registrované v: WOS
2. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
3. [1.1] BOER, Daniel - VAN DAAL, Tom - MULDER, Piet J. - PETRESKA, Elena. Directed flow from C-odd gluon correlations at small x. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 140., Registrované v: WOS
4. [1.1] BOZEK, Piotr. Small systems hydrodynamics. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 208-215., Registrované v: WOS
5. [1.1] DERRADI DE SOUZA, R. - KOIDE, T. - KODAMA, T. Hydrodynamic approaches in relativistic heavy ion reactions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 86, pp. 35-85., Registrované v: WOS
6. [1.1] DURAES, F. O. - GIANNINI, A. V. - GONCALVES, V. P. - NAVARRA, F. S. Rapidity dependence of the average transverse momentum in hadronic collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024917., Registrované v: WOS
7. [1.1] DUSLING, Kevin - LI, Wei - SCHENKE, Bjoern. Novel collective phenomena in high-energy proton-proton and proton-nucleus collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 1, art. no. 1630002., Registrované v: WOS
8. [1.1] ESPOSITO, Angelo - GYULASSY, Miklos. Hadronization scheme dependence of long-range azimuthal harmonics in high energy p plus A reactions. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 433-440., Registrované v: WOS
9. [1.1] GOTSMAN, E. - LEVIN, E. Azimuthal angle correlations at large rapidities: revisiting density variation mechanism. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 11, art. no. 773., Registrované v: WOS
10. [1.1] GOTSMAN, E. - LEVIN, E. - POTASHNIKOVA, I. A CGC/saturation approach for angular correlations in proton-proton scattering. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 632., Registrované v: WOS
11. [1.1] HILL, J. C. Recent highlights from the PHENIX heavy ion program. In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, art. no. 03015., Registrované v: WOS
12. [1.1] CHRISTAKOGLU, Panos. Experimental overview of collective flow with identified particles at RHIC and the LHC. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. UNSP 08004., Registrované v: WOS
13. [1.1] IANCU, Edmond - REZAEIAN, Amir H. Elliptic flow from color-dipole orientation in pp and pA collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 094003., Registrované v: WOS

14. [1.1] JAISWAL, Amaresh - BHADURI, Partha Pratim. Effect of an anisotropic escape mechanism on elliptic flow in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 4, art. no. 044909., Registrované v: WOS
15. [1.1] JAISWAL, Amaresh - ROY, Victor. Relativistic Hydrodynamics in Heavy-Ion Collisions: General Aspects and Recent Developments. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 9623034., Registrované v: WOS
16. [1.1] KAMIN, Jason. Hot and cold nuclear matter effects in p-Pb collisions at the LHC. In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, art. no. 03018., Registrované v: WOS
17. [1.1] KIKOLA, Daniel. Five things you should remember about heavy flavor measurements. In HOT QUARKS 2014: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS. ISSN 1742-6588, 2015, vol. 612, art. no. 012023., Registrované v: WOS
18. [1.1] KIKOLA, Daniel. Prospects for Open Heavy Flavor Measurements in Heavy Ion and p plus A Collisions in a Fixed-Target Experiment at the LHC. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 783134., Registrované v: WOS
19. [1.1] KLASSEN, M. - KOVARIK, K. - POTTHOFF, J. Nuclear parton density functions from jet production in DIS at an EIC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 094013., Registrované v: WOS
20. [1.1] KLEIN, S.R. - MANTYSAARI, H. Imaging the nucleus with high-energy photons. In NATURE REVIEWS PHYSICS. NOV 2019, vol. 1, no. 11, p. 662-674., Registrované v: WOS
21. [1.1] KOVNER, Alex - REZAEIAN, Amir H. Diphoton ridge in p plus p and p plus A collisions at RHIC and the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 074045., Registrované v: WOS
22. [1.1] KOVNER, Alex - REZAEIAN, Amir H. Double parton scattering in the CGC: Double quark production and effects of quantum statistics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074018., Registrované v: WOS
23. [1.1] KOVNER, Alex - REZAEIAN, Amir H. Double parton scattering in the color glass condensate: Hanbury-Brown-Twiss correlations in double inclusive photon production. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 114028., Registrované v: WOS
24. [1.1] KOVNER, Alex - REZAEIAN, Amir H. Multiquark production in p plus A collisions: Quantum interference effects. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 074008., Registrované v: WOS
25. [1.1] KOVNER, Alex - SKOKOV, Vladimir V. Does shape matter? $v(2)$ vs eccentricity in small x gluon production. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 785, pp. 372-380., Registrované v: WOS
26. [1.1] LI, Wei. Collective flow from AA, pA to pp collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 59-66., Registrované v: WOS
27. [1.1] MANTYSAARI, Heikki - SCHENKE, Bjorn - SHEN, Chun - TRIBEDY, Prithwish. Imprints of fluctuating proton shapes on flow in proton-lead collisions at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693,

- 2017, vol. 772, pp. 681-686., Registrované v: WOS
28. [1.1] MA, Guo-Liang - BZDAK, Adam. Flow in small systems from parton scatterings. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 745-748., Registrované v: WOS
29. [1.1] MCLERRAN, Larry - SKOKOV, Vladimir V. Finite numbers of sources, particle correlations and the Color Glass Condensate. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 947, pp. 142-154., Registrované v: WOS
30. [1.1] NAGLE, James L. - ZAJC, William A. Small System Collectivity in Relativistic Hadronic and Nuclear Collisions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 68. ISSN 0163-8998, 2018, vol. 68, pp. 211-235., Registrované v: WOS
31. [1.1] NOUICER, R. New state of nuclear matter: Nearly perfect fluid of quarks and gluons in heavy-ion collisions at RHIC energies. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2016, vol. 131, no. 3, art. no. 70., Registrované v: WOS
32. [1.1] OEZOENDER, Sener. Long range azimuthal correlations of multiple gluons in gluon saturation limit. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 054036., Registrované v: WOS
33. [1.1] OEZOENDER, Sener. Triple-gluon and quadruple-gluon azimuthal correlations from glasma and higher-dimensional ridges. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 034005., Registrované v: WOS
34. [1.1] OHLSON, Alice. Collective behavior in small systems. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 97-104., Registrované v: WOS
35. [1.1] OZONDER, Sener. Predictions on three-particle azimuthal correlations in proton proton collisions. In TURKISH JOURNAL OF PHYSICS. ISSN 1300-0101, 2018, vol. 42, no. 1, pp. 78-83., Registrované v: WOS
36. [1.1] PARK, Chanwook - SHEN, Chun - JEON, Sangyong - GALE, Charles. Rapidity-dependent jet energy loss in small systems with finite-size effects, and running coupling. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 289-292., Registrované v: WOS
37. [1.1] PUNETHA, G. - CHANDOLA, H.C. TRANSPORT COEFFICIENTS OF STRONGLY INTERACTING QUARK-GLUON PLASMA USING DUAL QCD HADRONIC BAG. In ROMANIAN JOURNAL OF PHYSICS. ISSN 1221-146X, 2020, vol. 65, no. 3-4., Registrované v: WOS
38. [1.1] QIN, Guang-You. Anisotropic flow and jet quenching in relativistic nuclear collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2015, vol. 24, no. 2, art. no. 1530001., Registrované v: WOS
39. [1.1] REZAEIAN, Amir H. Photon-jet ridge at RHIC and the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 094030., Registrované v: WOS
40. [1.1] RU, P. - ZHANG, W.N. Long-range azimuthal correlations for partially coherent pion emission in proton-proton collisions. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS
41. [1.1] SHEN, Chun - PAQUET, Jean-Francois - DENICOL, Gabriel S. - JEON, Sangyong - GALE, Charles. Thermal Photon Radiation in High

Multiplicity p plus Pb Collisions at the Large Hadron Collider. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 7, art. no. 072301., Registrované v: WOS

42. [1.1] SHEN, Chun - PAQUET, Jean-Francois - DENICOL, Gabriel S. - JEON, Sangyong - GALE, Charles. Electromagnetic radiation and collectivity in small quark-gluon droplets. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 161-164., Registrované v: WOS

43. [1.1] SHEN, Chun - PAQUET, Jean-Francois - DENICOL, Gabriel S. - JEON, Sangyong - GALE, Charles. Collectivity and electromagnetic radiation in small systems. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 1, art. no. 014906., Registrované v: WOS

44. [1.1] SHEN, Chun - PARK, Chanwook - PAQUET, Jean-Francois - DENICOL, Gabriel S. - JEON, Sangyong - GALE, Charles. Direct photon production and jet energy-loss in small systems. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 741-744., Registrované v: WOS

45. [1.1] SCHENKE, Bjoern - SCHLICHTING, Soeren - VENUGOPALAN, Raju. Azimuthal anisotropies in p plus Pb collisions from classical Yang-Mills dynamics. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 76-82., Registrované v: WOS

46. [1.1] SCHENKE, Bjoern. Initial state fluctuations and final state collectivity in high energy nuclear collisions: Status and Outlook. In HOT QUARKS 2014: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS. ISSN 1742-6588, 2015, vol. 612, art. no. 012059., Registrované v: WOS

47. [1.1] SCHLICHTING, Soeren - TRIBEDY, Prithwish. Collectivity in Small Collision Systems: An Initial-State Perspective. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 8460349., Registrované v: WOS

48. [1.1] SCHLICHTING, Soeren. Initial state and pre-equilibrium effects in small systems. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 216-221., Registrované v: WOS

49. [1.1] SIEVERT, M. - NORONHA-HOSTLER, J. CERN Large Hadron Collider system size scan predictions for PbPb, XeXe, ArAr, and OO with relativistic hydrodynamics. In PHYSICAL REVIEW C. ISSN 2469-9985, AUG 2 2019, vol. 100, no. 2., Registrované v: WOS

50. [1.1] SONG, Huichao. Hydrodynamic modelling for relativistic heavy-ion collisions at RHIC and LHC. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2015, vol. 84, no. 5, pp. 703-715., Registrované v: WOS

51. [1.1] TRAINOR, T.A. A two-component model for identified-hadron p(t) spectra from 5 TeV p-Pb collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, FEB 2020, vol. 47, no. 4., Registrované v: WOS

52. [1.1] VENUGOPALAN, Raju. Long range correlations in high multiplicity hadron collisions: Building bridges with ridges. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 352, pp. 108-116., Registrované v: WOS

53. [1.1] WANG, Fuqiang. Jet-quenching and correlations. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2015, vol. 84, no. 5, pp. 801-819., Registrované v: WOS

54. [1.1] WELSH, Kevin - SINGER, Jordan - HEINZ, Ulrich. Initial-state fluctuations in collisions between light and heavy ions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024919., Registrované v: WOS
55. [1.1] YAN, Li. A flow paradigm in heavy-ion collisions. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 4, art. no. 042001., Registrované v: WOS
56. [1.1] YAN, Li. Plane correlations in small colliding systems. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 6, art. no. 064909., Registrované v: WOS
57. [1.1] YOUN, Taewook - YOON, Jin-Hee. Application of the Momentum Kick Model to PbPb Collisions at root s(NN)=2.76 TeV at the LHC. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2017, vol. 71, no. 12, pp. 917-922., Registrované v: WOS
58. [1.1] ZHANG, Liu-Yao - CHEN, Jin-Hui - LIN, Zi-Wei - MA, Yu-Gang - ZHANG, Song. Two-particle angular correlations in pp and p-Pb collisions at energies available at the CERN Large Hadron Collider from a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034912., Registrované v: WOS
59. [1.1] ZHAO, W.B. - KO, C.M. - LIU, Y.X. - QIN, G.Y. - SONG, H.C. Probing the Partonic Degrees of Freedom in High-Multiplicity p-Pb collisions at root s(NN)=5.02 TeV. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, AUG 12 2020, vol. 125, no. 7., Registrované v: WOS

ADCA286 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Long-range angular correlations on the near and away side in p-Pb collisions at root S-NN=5.02 TeV. In *Physics Letters B*, 2013, vol. 719, no. 1-3, p. 29-41. (2012: 4.569 - IF, Q1 - JCR, 3.353 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2013.01.012>

Ohlasy:

1. [1.1] ANGERAMI, Aaron. Recent highlights from the ATLAS heavy-ion program. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 19-26., Registrované v: WOS
2. [1.1] ATTEMS, Maximilian - CASALDERREY-SOLANA, Jorge - MATEOS, David - SANTOS-OLIVAN, Daniel - SPUERTA, Carlos F. - TRIANA, Miquel - ZILHAO, Miguel. Holographic collisions in non-conformal theories. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 1, art. no. 026., Registrované v: WOS
3. [1.1] BARANOV, S. P. - REZAEIAN, Amir H. Prompt double J/psi production in proton-proton collisions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 114011., Registrované v: WOS
4. [1.1] BARI, Waseem - GANI, Qudsia - THOKER, Shamsul H. - TELI, Muzamil A. FORWARD-BACKWARD MULTIPLICITY CORRELATIONS IN RELATIVISTIC HEAVY-ION COLLISIONS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2015, vol. 46, no. 10, pp. 2039-2050., Registrované v: WOS
5. [1.1] BOIMSKA, Bozena. HEAVY-ION RESULTS OF THE CMS EXPERIMENT. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 6, pp. 1397-1415., Registrované v: WOS

6. [1.1] BOZEK, Piotr - BRONIOWSKI, Wojciech. Hydrodynamic modeling of He-3-Au collisions at root S-NN=200 GeV. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 135-138., Registrované v: WOS
7. [1.1] BOZEK, Piotr - BZDAK, Adam - MA, Guo-Liang. Rapidity dependence of elliptic and triangular flow in proton-nucleus collisions from collective dynamics. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 748, pp. 301-305., Registrované v: WOS
8. [1.1] BOZEK, Piotr. Small systems hydrodynamics. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 208-215., Registrované v: WOS
9. [1.1] BZDAK, Adam - DUSLING, Kevin. Saturation scale fluctuations and multiparticle rapidity correlations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 4, art. no. 044918., Registrované v: WOS
10. [1.1] BZDAK, Adam - SKOKOV, Vladimir. Multi-particle eccentricities in collisions dominated by fluctuations. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 943, pp. 1-8., Registrované v: WOS
11. [1.1] BZDAK, A. Saturation and collectivity in p plus A collisions at RHIC and LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 785-788., Registrované v: WOS
12. [1.1] CASALDERRY-SOLANA, Jorge - GULHAN, Doga Can - MILHANO, Jose Guilherme - PABLOS, Daniel - RAJAGOPAL, Krishna. Angular structure of jet quenching within a hybrid strong/weak coupling model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 135., Registrované v: WOS
13. [1.1] CLARK, Michael. Femtoscopy in root s(NN)=5.02 TeV p-Pb collisions with ATLAS. In XLVI INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2016). ISSN 2100-014X, 2017, vol. 141, art. no. UNSP 01013., Registrované v: WOS
14. [1.1] CUAUTLE FLORES, Eleazar. Are the collective phenomena a universal feature of the hadronic matter created in p-p, p-A and A-A colliding systems? In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 7, art. no. 1642007., Registrované v: WOS
15. [1.1] DUMITRU, Adrian - GIANNINI, Andre V. Initial state angular asymmetries in high energy p plus A collisions: Spontaneous breaking of rotational symmetry by a color electric field and C-odd fluctuations. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 933, pp. 212-228., Registrované v: WOS
16. [1.1] DUMITRU, Adrian - LAPPI, Tuomas - SKOKOV, Vladimir. Distribution of Linearly Polarized Gluons and Elliptic Azimuthal Anisotropy in Deep Inelastic Scattering Dijet Production at High Energy. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 25, art. no. 252301., Registrované v: WOS
17. [1.1] DUMITRU, Adrian - MCLERRAN, Larry - SKOKOV, Vladimir. Azimuthal asymmetries and the emergence of "collectivity" from multi-particle correlations in high-energy pA collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 743, pp. 134-137., Registrované v: WOS
18. [1.1] DUMITRU, Adrian - SKOKOV, Vladimir. Anisotropy of the semiclassical gluon field of a large nucleus at high energy. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 7, art. no. 074006.,

Registrované v: WOS

19. [1.1] DURAES, F. O. - GIANNINI, A. V. - GONCALVES, V. P. - NAVARRA, F. S. Rapidity dependence of the average transverse momentum in hadronic collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024917., Registrované v: WOS
20. [1.1] DUSLING, Kevin - LI, Wei - SCHENKE, Bjoern. Novel collective phenomena in high-energy proton-proton and proton-nucleus collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 1, art. no. 1630002., Registrované v: WOS
21. [1.1] DUSLING, Kevin - TRIBEDY, Prithwish - VENUGOPALAN, Raju. Energy dependence of the ridge in high multiplicity proton-proton collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 014034., Registrované v: WOS
22. [1.1] ESPOSITO, Angelo - GYULASSY, Miklos. Hadronization scheme dependence of long-range azimuthal harmonics in high energy p plus A reactions. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 433-440., Registrované v: WOS
23. [1.1] GAVIN, Sean - MOSCHELLI, George - ZIN, Christopher. Rapidity correlation structure in nuclear collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024921., Registrované v: WOS
24. [1.1] HABICH, M. - MILLER, G. A. - ROMATSCHKE, P. - XIANG, W. Testing hydrodynamic descriptions of p plus p collisions at TeV. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 7, art. no. 408., Registrované v: WOS
25. [1.1] HE, Liang - EDMONDS, Terrence - LIN, Zi-Wei - LIU, Feng - MOLNAR, Denes - WANG, Fuqiang. Anisotropic parton escape is the dominant source of azimuthal anisotropy in transport models. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 753, pp. 506-510., Registrované v: WOS
26. [1.1] HONG, Byungsik. Particle correlations and their implication to collectivity in pPb and PbPb from CMS. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. 01005., Registrované v: WOS
27. [1.1] HUANG, S. Measurements of elliptic and triangular flow in high-multiplicity He-3+Au collisions at $\sqrt{s(\text{NN})}=200$ GeV. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 761-764., Registrované v: WOS
28. [1.1] CHEN, Baoyi. Detailed rapidity dependence of J/psi production at energies available at the Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 5, art. no. 054905., Registrované v: WOS
29. [1.1] CHESLER, Paul M. Colliding Shock Waves and Hydrodynamics in Small Systems. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 24, art. no. 241602., Registrované v: WOS
30. [1.1] CHESLER, Paul M. Holography and hydrodynamics in small systems. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 144-151., Registrované v: WOS
31. [1.1] CHESLER, Paul M. How big are the smallest drops of quark-gluon plasma? In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 146., Registrované v: WOS
32. [1.1] JEON, Sangyong - HEINZ, Ulrich. Introduction to

- hydrodynamics. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2015, vol. 24, no. 10, art. no. 1530010., Registrované v: WOS
33. [1.1] JIA, Jiangyong - RADHAKRISHNAN, Sooraj. Limitation of multiparticle correlations for studying the event-by-event distribution of harmonic flow in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 2, art. no. 024911., Registrované v: WOS
34. [1.1] JIA, Jiangyong. Forward-backward multiplicity correlations in pp, p plus Pb and Pb plus Pb collisions with the ATLAS detector. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 405-408., Registrované v: WOS
35. [1.1] KAMIN, Jason. Hot and cold nuclear matter effects in p-Pb collisions at the LHC. In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, art. no. 03018., Registrované v: WOS
36. [1.1] KOOP, J. D. Orjuela - BELMONT, R. - YIN, P. - NAGLE, J. L. Exploring the beam-energy dependence of flow-like signatures in small-system d plus Au collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 4, art. no. 044910., Registrované v: WOS
37. [1.1] KOVNER, Alex - LUBLINSKY, Michael. Entanglement entropy and entropy production in the color glass condensate framework. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 034016., Registrované v: WOS
38. [1.1] KOVNER, Alex - REZAEIAN, Amir H. Diphoton ridge in p plus p and p plus A collisions at RHIC and the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 074045., Registrované v: WOS
39. [1.1] KOVNER, Alex - REZAEIAN, Amir H. Multiquark production in p plus A collisions: Quantum interference effects. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 074008., Registrované v: WOS
40. [1.1] LAPPI, T. Azimuthal harmonics of color fields in a high energy nucleus. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 744, pp. 315-319., Registrované v: WOS
41. [1.1] LAPPI, T. - MANTYSAARI, H. - VENUGOPALAN, R. Ballistic Protons in Incoherent Exclusive Vector Meson Production as a Measure of Rare Parton Fluctuations at an Electron-Ion Collider. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 8, art. no. 082301., Registrované v: WOS
42. [1.1] LAPPI, T. - SCHENKE, B. - SCHLICHTING, S. - VENUGOPALAN, R. Tracing the origin of azimuthal gluon correlations in the color glass condensate. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, vol., no. 1, art. no. 061., Registrované v: WOS
43. [1.1] LI, Hanlin - HE, Liang - LIN, Zi-Wei - MOLNAR, Denes - WANG, Fuqiang - XIE, Wei. Origin of the mass splitting of elliptic anisotropy in a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 5, art. no. 051901., Registrované v: WOS
44. [1.1] MANTYSAARI, Heikki - SCHENKE, Bjorn. Revealing proton shape fluctuations with incoherent diffraction at high energy. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 034042., Registrované v: WOS
45. [1.1] MANTYSAARI, Heikki - SCHENKE, Bjorn. Evidence of

Strong Proton Shape Fluctuations from Incoherent Diffraction. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 117, no. 5, art. no. 052301., Registrované v: WOS

46. [1.1] MA, Guo-Liang - BZDAK, Adam. Flow in small systems from parton scatterings. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 745-748., Registrované v: WOS

47. [1.1] MCLERRAN, Larry - SKOKOV, Vladimir V. Finite numbers of sources, particle correlations and the Color Glass Condensate. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 947, pp. 142-154., Registrované v: WOS

48. [1.1] MORRISON, David - NAGLE, James L. PHENIX: Beyond 15 years of discovery. In Progress of Theoretical and Experimental Physics. ISSN 2050-3911, 2015, no. 3, art. no. 03A108., Registrované v: WOS

49. [1.1] NI, Hong. Measurements of $K_0(s)$, $\Lambda + (\Lambda\bar{\Lambda})$, and $\Xi(+) + \Xi(-)$ production in pp, pPb, and PbPb collisions with CMS. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 449-452., Registrované v: WOS

50. [1.1] OEZOENDER, Sener. Long range azimuthal correlations of multiple gluons in gluon saturation limit. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 054036., Registrované v: WOS

51. [1.1] OEZOENDER, Sener. Triple-gluon and quadruple-gluon azimuthal correlations from glasma and higher-dimensional ridges. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 034005., Registrované v: WOS

52. [1.1] OZONDER, Sener. Predictions on three-particle azimuthal correlations in proton proton collisions. In TURKISH JOURNAL OF PHYSICS. ISSN 1300-0101, 2018, vol. 42, no. 1, pp. 78-83., Registrované v: WOS

53. [1.1] PANG, Long-Gang - QIN, Guang-You - ROY, Victor - WANG, Xin-Nian - MA, Guo-Liang. Longitudinal decorrelation of anisotropic flows in heavy-ion collisions at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 91, no. 4, art. no. 044904., Registrované v: WOS

54. [1.1] QIAN, Yachao - ZAHED, Ismail. Stretched string with self-interaction at the Hagedorn point: Spatial sizes and black holes. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 10, art. no. 105001., Registrované v: WOS

55. [1.1] QIN, Guang-You. Anisotropic flow and jet quenching in relativistic nuclear collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2015, vol. 24, no. 2, art. no. 1530001., Registrované v: WOS

56. [1.1] RADHAKRISHNAN, S. Soft probes of p plus Pb and Pb plus Pb collisions in the ATLAS experiment at the LHC. In HOT QUARKS 2014: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS. ISSN 1742-6588, 2015, vol. 612, art. no. 012060., Registrované v: WOS

57. [1.1] REZAEIAN, Amir H. Photon-jet ridge at RHIC and the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 094030., Registrované v: WOS

58. [1.1] ROLAND, Gunther. Long-range correlations in high multiplicity pp and pA collisions. In PRAMANA-JOURNAL OF PHYSICS.

- ISSN 0304-4289, 2015, vol. 84, no. 5, pp. 731-746., Registrované v: WOS
59. [1.1] ROMATSCHKE, P. Collective flow without hydrodynamics: simulation results for relativistic ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 429., Registrované v: WOS
60. [1.1] ROMATSCHKE, P. Light-heavy-ion collisions: a window into pre-equilibrium QCD dynamics? In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 7, art. no. 305., Registrované v: WOS
61. [1.1] SANCHIS-LOZANO, Miguel-Angel - SARKISYAN-GRINBAUM, Edward. A correlated-cluster model and the ridge phenomenon in hadron-hadron collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 766, pp. 170-176., Registrované v: WOS
62. [1.1] SHEN, Chun - PAQUET, Jean-Francois - DENICOL, Gabriel S. - JEON, Sangyong - GALE, Charles. Thermal Photon Radiation in High Multiplicity p plus Pb Collisions at the Large Hadron Collider. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 7, art. no. 072301., Registrované v: WOS
63. [1.1] SHI, Min - SHI, Xin-Xing - NIU, Zhong-Ming - SUN, Ting-Ting - GUO, Jian-You. Relativistic extension of the complex scaled Green's function method for resonances in deformed nuclei. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 3, art. no. 40., Registrované v: WOS
64. [1.1] SCHENKE, Bjoern - SCHLICHTING, Soeren - VENUGOPALAN, Raju. Azimuthal anisotropies in p plus Pb collisions from classical Yang-Mills dynamics. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 76-82., Registrované v: WOS
65. [1.1] SCHENKE, Bjoern - SCHLICHTING, Soeren - TRIBEDY, Prithwish - VENUGOPALAN, Raju. Mass Ordering of Spectra from Fragmentation of Saturated Gluon States in High-Multiplicity Proton-Proton Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 117, no. 16, art. no. 162301., Registrované v: WOS
66. [1.1] SCHLICHTING, Soeren - TRIBEDY, Prithwish. Collectivity in Small Collision Systems: An Initial-State Perspective. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 8460349., Registrované v: WOS
67. [1.1] SCHLICHTING, Soren. Initial state and pre-equilibrium effects in small systems. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 216-221., Registrované v: WOS
68. [1.1] SICKLES, Anne M. d plus Au hadron correlation measurements from PHENIX. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 352, pp. 78-83., Registrované v: WOS
69. [1.1] SKOKOV, Vladimir. High order cumulants of the azimuthal anisotropy in the dilute-dense limit: Connected graphs. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 054014., Registrované v: WOS
70. [1.1] SONG, Huichao. Hydrodynamic modelling for relativistic heavy-ion collisions at RHIC and LHC. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2015, vol. 84, no. 5, pp. 703-715., Registrované v: WOS
71. [1.1] SONG, Liao. The Ridge and Di-hadron Correlations from the BES at RHIC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp.

397-400., Registrované v: WOS

72. [1.1] STEINBERG, Peter. PHOBOS in the LHC era. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 352, pp. 84-95., Registrované v: WOS

73. [1.1] VENUGOPALAN, Raju. Long range correlations in high multiplicity hadron collisions: Building bridges with ridges. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 352, pp. 108-116., Registrované v: WOS

74. [1.1] WANG, Quan. Flow Harmonics $v(n)$ in pPb and PbPb Collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 753-756., Registrované v: WOS

75. [1.1] WELSH, Kevin - SINGER, Jordan - HEINZ, Ulrich. Initial-state fluctuations in collisions between light and heavy ions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024919., Registrované v: WOS

76. [1.1] WOSIEK, Barbara. Azimuthal anisotropies in Pb plus Pb and p plus Pb collisions with the ATLAS detector. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 352, pp. 117-128., Registrované v: WOS

77. [1.1] ZHAO, Ye-Yin - XU, Ming-Mei - ZHANG, Heng-Ying - WU, Yuan-Fang. Two-gluon rapidity correlations of strong colour field in pp, pA and AA collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 955, pp. 88-100., Registrované v: WOS

78. [1.1] ZHOU, Mingliang. Observation of long-range elliptic anisotropies in root $s=13$ and 2.76 TeV pp collisions with the ATLAS detector. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 769-772., Registrované v: WOS

79. [1.1] ZOHAR, Erez - WAHL, Thorsten B. - BURRELLO, Michele - CIRAC, J. Ignacio. Projected Entangled Pair States with non-Abelian gauge symmetries: An SU(2) study. In ANNALS OF PHYSICS. ISSN 0003-4916, 2016, vol. 374, pp. 84-137., Registrované v: WOS

ADCA287 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Luminosity determination in pp collisions at root $s=7$ TeV using the ATLAS detector at the LHC. In *European Physical Journal C*, 2011, vol. 71, no. 4, art. no. 1630. (2010: 3.248 - IF, Q2 - JCR, 2.215 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-011-1630-5>

Ohlasy:

1. [1.1] GORA, Dariusz. The Pierre Auger Observatory: Review of Latest Results and Perspectives. In UNIVERSE. ISSN 2218-1997, 2018, vol. 4, no. 11, art. no. 128., Registrované v: WOS

ADCA288 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Luminosity determination in pp collisions at root $s=8$ TeV using the ATLAS detector at the LHC. In *European Physical Journal C*, 2016, vol. 76, no. 12, art. no. 653. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4466-1>

Ohlasy:

1. [1.1] BABAEV, A. Beam-dynamic effects at the CMS BRIL van der Meer scans. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2018,

vol. 13, art. no. C03028., Registrované v: WOS

2. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS

3. [1.1] KRAUS, M. - MARTINI, T. - UWER, P. Matrix element method at NLO for (anti-) k(t)-jet algorithms. In *PHYSICAL REVIEW D*. ISSN 2470-0010, OCT 15 2019, vol. 100, no. 7., Registrované v: WOS

4. [1.1] MARTINI, Till - UWER, Peter. The Matrix Element Method at next-to-leading order QCD for hadronic collisions: single top-quark production at the LHC as an example application. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2018, no. 5, art. no. 141., Registrované v: WOS

5. [1.1] SALFELD-NEBGEN, J. - MARLOW, D. Data-driven precision luminosity measurements with Z bosons at the LHC and HL-LHC. In *JOURNAL OF INSTRUMENTATION*. ISSN 1748-0221, 2018, vol. 13, art. no. P12016., Registrované v: WOS

6. [1.1] TODESCO, E. - WENNINGER, J. Large Hadron Collider momentum calibration and accuracy. In *PHYSICAL REVIEW ACCELERATORS AND BEAMS*. ISSN 2469-9888, 2017, vol. 20, no. 8, art. no. 081003., Registrované v: WOS

ADCA289 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Mass and lifetime measurements of bottom and charm baryons in p(p)over-bar collisions at pffisffi root s=1.96 TeV. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2014, vol. 89, no. 7, art. no. 072014. (2013: 4.864 - IF, Q1 - JCR, 2.482 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.89.072014>

Ohlasy:

1. [1.1] DHIR, Rohit - KIM, C. S. Axial-vector emitting weak nonleptonic decays of Omega(0)(c) baryon. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 114008., Registrované v: WOS

ADCA290 AKTAS, A. - BRUNCKO, Dušan - FERENCEI, Jozef - MURÍN, Pavol - TOMASZ, Filip. Measurement and QCD analysis of the diffractive deep-inelastic scattering cross section at HERA. In *European Physical Journal C*, 2006, vol. 48, no. 3, p. 715-748. (2005: 3.209 - IF, Q2 - JCR, 1.390 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-006-0035-3>

Ohlasy:

1. [1.1] BENOIT, Roland. Recent CMS results on diffraction. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2015, vol. 30, no. 8, art. no. 1542011., Registrované v: WOS

2. [1.1] BOUSSARIE, R. - GRABOVSKY, A. V. - SZYMANOWSKI, L. - WALLON, S. Impact factor for high-energy two and three jets diffractive production. In *DIFFRACTION 2014: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS*. ISSN 0094-243X, 2015, vol. 1654, art. no. UNSP 030005., Registrované v: WOS

3. [1.1] BRENNER MARIOTTO, C. - GONCALVES, V. P. Double J/psi production in central diffractive processes at the LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2015, vol. 91, no. 11, art. no. 114002., Registrované v: WOS

4. [1.1] CECCOPIERI, Federico Alberto. Studies of Backward Particle Production with a Fixed-Target Experiment Using the LHC Beams. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 652062., Registrované v: WOS
5. [1.1] LUSZCZAK, Marta - MACIULA, Rafal - SZCZUREK, Antoni. Single- and central-diffractive production of open charm and bottom mesons at the LHC: Theoretical predictions and experimental capabilities. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 054024., Registrované v: WOS
6. [1.1] LUSZCZAK, Marta - SZCZUREK, Antoni - ROYON, Christophe. W+W- pair production in proton-proton collisions: small missing terms. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 2, art. no. 098., Registrované v: WOS
7. [1.1] ROYON, Christophe - SAIMPERT, Matthias. Exploring the Pomeron structure at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 8, art. no. 1542008., Registrované v: WOS

ADCA291 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VAĽA, Martin. Measurement of an Excess in the Yield of J/psi at Very Low p(T) in Pb-Pb Collisions at root s(NN)=2.76 TeV. In *Physical Review Letters*, 2016, vol. 116, no. 22, art. no. 222301. (2015: 7.645 - IF, Q1 - JCR, 4.656 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.116.222301>

Ohlasy:

1. [1.1] BRANDENBURG, James D. Dilepton Production in p plus p, Au plus Au collisions at root s(NN) = 200 GeV and U+U collisions at root s(NN)=193 GeV. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 676-679., Registrované v: WOS
2. [1.1] CAO, Ze-Hua - RUAN, Li-Juan - TANG, Ze-Bo - XU, Zhang-Bu - YANG, Chi - YANG, Shuai - ZHA, Wang-Mei. Photoproduction of J/psi in non-single-diffractive p plus p collisions. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 6., Registrované v: WOS
3. [1.1] DUCATI, M. B. Gay - MARTINS, S. Heavy meson photoproduction in peripheral AA collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 116013., Registrované v: WOS
4. [1.1] DUCATI, M. B. Gay - MARTINS, S. HEAVY MESON COHERENT PHOTOPRODUCTION IN (ULTRA)-PERIPHERAL AA COLLISIONS. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 4, pp. 819-824., Registrované v: WOS
5. [1.1] GAY DUCATI, M. B. - MARTINS, S. J/Psi photoproduction in peripheral AA collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 056014., Registrované v: WOS
6. [1.1] GONCALVES, V. P. - SAMPAIO DOS SANTOS, G. - SENA, C. R. Inclusive heavy quark photoproduction in pp, pPb and PbPb collisions at Run 2 LHC energies. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 976, pp. 33-45., Registrované v: WOS

7. [1.1] GUO, Z.L. - LI, B.C. - DONG, H.W. Transverse Momentum and Pseudorapidity Dependence of Particle Production in Xe-Xe Collision at $\sqrt{s(NN)}=5.44$ TeV. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, FEB 1 2020, vol. 2020., Registrované v: WOS
8. [1.1] HONG, Byungsik. Nuclear Matter Under Extreme Conditions: from Quark-Gluon Plasma to Neutron Stars. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2018, vol. 72, no. 12, pp. 1515-1522., Registrované v: WOS
9. [1.1] HUANG, Bingchu. Overview of Recent Results from the STAR experiment. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 19-24., Registrované v: WOS
10. [1.1] CHEN, L.F. - QIN, S.X. - LIU, Y.X. Flavor dependence of the thermal dissociations of vector and axial-vector mesons. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 14 2020, vol. 102, no. 5., Registrované v: WOS
11. [1.1] KARADAG, S. - GUCLU, M.C. Multiple-scattering production of lepton pairs in ultraperipheral heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, JUL 6 2020, vol. 102, no. 1., Registrované v: WOS
12. [1.1] KLEIN, Spencer R. Two-photon production of dilepton pairs in peripheral heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 5, art. no. 054903., Registrované v: WOS
13. [1.1] KLEIN, Spencer - MUELLER, A. H. - XIAO, Bo-Wen - YUAN, Feng. Acoplanarity of a Lepton Pair to Probe the Electromagnetic Property of Quark Matter. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 13., Registrované v: WOS
14. [1.1] KLEIN, S. - MUELLER, A.H. - XIAO, B.W. - YUAN, F. Lepton pair production through two photon process in heavy ion collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 13 2020, vol. 102, no. 9., Registrované v: WOS
15. [1.1] KLEIN, S.R. - STEINBERG, P. Photonuclear and Two-Photon Interactions at High-Energy Nuclear Colliders. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 323-354., Registrované v: WOS
16. [1.1] KLUSEK-GAWENDA, Mariola - RAPP, Ralf - SCHAFER, Wolfgang - SZCZUREK, Antoni. Dilepton radiation in heavy-ion collisions at small transverse momentum. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 790, pp. 339-344., Registrované v: WOS
17. [1.1] LI, G.S. - ZHOU, K. - CHEN, B.Y. Effects of nuclear charge fluctuations on dilepton photoproduction. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, FEB 1 2020, vol. 72, no. 2., Registrované v: WOS
18. [1.1] LUSZCZAK, Agnieszka - SCHAFER, Wolfgang. Incoherent diffractive photoproduction of J/psi and Upsilon on heavy nuclei in the color dipole approach. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 2, art. no. 024903, Registrované v: WOS
19. [1.1] SHI, Wei - ZHA, Wangmei - CHEN, Baoyi. Charmonium coherent photoproduction and hadroproduction with effects of quark gluon plasma. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 777, pp. 399-405., Registrované v: WOS
20. [1.1] SCHAFER, W. Photon induced processes: from ultraperipheral

- to semicentral heavy ion collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, SEP 17 2020, vol. 56, no. 9., Registrované v: WOS
21. [1.1] SZCZUREK, A. RECENT THEORETICAL RESULTS FOR ELECTROMAGNETICALLY-INDUCED ULTRAPERIPHERAL REACTIONS OF HEAVY IONS. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, pp. 323-332., Registrované v: WOS
22. [1.1] WANG PENGFEI - ZHA WANGMEI - TANG ZEBO. Recent progress of quarkonium measurements in heavy-ion collisions at RHIC energies from STAR. In SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA. ISSN 1674-7275, 2019, vol. 49, no. 10., Registrované v: WOS
23. [1.1] YANG, Chi. Coherent $e^{+}e^{-}$ production at very low transverse momentum at STAR. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 18016., Registrované v: WOS
24. [1.1] YANG, Shuai. $e^{+}e^{-}$ Pair Production at Very Low Transverse Momentum in Au plus Au Collisions at $\sqrt{s(NN)}=200$ GeV and U+U Collisions at $\sqrt{s(NN)}=193$ GeV at STAR. In PROCEEDINGS OF THE 21ST PARTICLES AND NUCLEI INTERNATIONAL CONFERENCE (PANIC 2017). ISSN 2010-1945, 2018, vol. 46, art. no. 1860013., Registrované v: WOS
25. [1.1] YE, Zhenyu. Heavy-Flavor Production at RHIC with STAR. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012004., Registrované v: WOS
26. [1.1] ZHAO, J.X. - ZHOU, K. - CHEN, S.L. - ZHUANG, P.F. Heavy flavors under extreme conditions in high energy nuclear collisions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, SEP 2020, vol. 114., Registrované v: WOS
27. [1.1] ZHA, Wangmei. Excess of J/ψ yield at very low transverse momenta in A plus A collisions measured by the STAR experiment. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 414-416., Registrované v: WOS
28. [1.1] ZHA, Wangmei. Excess of J/ψ yield at very low transverse momenta in Au plus Au collisions at $\sqrt{s(NN)}=200$ GeV and U+U at $\sqrt{s(NN)}=193$ GeV with STAR. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012039., Registrované v: WOS
29. [1.1] ZHA, Wangmei. Excess of J/ψ Production at Very Low Transverse Momenta in A plus A Collisions from STAR. In PROCEEDINGS OF THE 21ST PARTICLES AND NUCLEI INTERNATIONAL CONFERENCE (PANIC 2017). ISSN 2010-1945, 2018, vol. 46, art. no. 1860012., Registrované v: WOS
30. [1.1] ZHA, Wangmei. Recent highlights from STAR. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 01004., Registrované v: WOS
31. [1.1] ZHA, W. - KLEIN, S. R. - MA, R. - RUAN, L. - TODOROKI, T. - TANG, Z. - XU, Z. - YANG, C. - YANG, Q. - YANG, S. Coherent π^0 photoproduction in hadronic heavy-ion collisions. In PHYSICAL REVIEW C.

- ISSN 2469-9985, 2018, vol. 97, no. 4, art. no. 044910., Registrované v: WOS
32. [1.1] ZHA, W. - RUAN, L. - TANG, Z. - XU, Z. - YANG, S.
Coherent lepton pair production in hadronic heavy ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 781, pp. 182-186., Registrované v: WOS
33. [1.1] ZHA, W. - RUAN, L. - TANG, Z. - XU, Z. - YANG, S.
Double-slit experiment at Fermi scale: Coherent photoproduction in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 6., Registrované v: WOS
34. [1.1] ZHA, W. - RUAN, L. - TANG, Z. - XU, Z. - YANG, S.
Coherent photo-produced J/psi and dielectron yields in isobaric collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 789, pp. 238-242., Registrované v: WOS
35. [1.1] ZHA, W.M. - BRANDENBURG, J.D. - TANG, Z.B. - XU, Z.B.
Initial transverse-momentum broadening of Breit-Wheeler process in relativistic heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, JAN 10 2020, vol. 800., Registrované v: WOS

ADCA292 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABED ABUD, A. - ABELING, K. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of angular and momentum distributions of charged particles within and around jets in Pb plus Pb and pp collisions at $\sqrt{s(NN)}=5.02$ TeV with the ATLAS detector. In *Physical Review C*, 2019, vol. 100, no. 6, art. no. 064901. (2018: 3.132 - IF, Q2 - JCR, 1.502 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na:
<https://doi.org/10.1103/PhysRevC.100.064901>

Ohlasy:

1. [1.1] DORAU, P. - ROSE, J.B. - PABLOS, D. - ELFNER, H. Jet quenching in the hadron gas: An exploratory study. In PHYSICAL REVIEW C. ISSN 2469-9985, MAR 19 2020, vol. 101, no. 3., Registrované v: WOS
2. [1.1] KARPENKO, I. - AICHELIN, J. - GOSSIAUX, P. - ROHRMOSER, M. - WERNER, K. Jet overlap in heavy ion collisions at energies available at the CERN Large Hadron Collider and its consequences for the jet shape. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 9 2020, vol. 101, no. 1., Registrované v: WOS

ADCA293 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of angular correlations in Drell-Yan lepton pairs to probe Z/gamma* boson transverse momentum at $\sqrt{s}=7$ TeV with the ATLAS detector. In *Physics Letters B*, 2013, vol. 720, no. 1-3, p. 32-51. (2012: 4.569 - IF, Q1 - JCR, 3.353 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] ALIOLI, Simone - BAUER, Christian W. - BERGGREN, Calvin - TACKMANN, Frank J. - WALSH, Jonathan R. Drell-Yan production at NNLL ' plus NNLO matched to parton showers. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 094020., Registrované v: WOS
2. [1.1] BIZON, W. - GEHRMANN-DE RIDDER, A. - GEHRMANN,

- T. - GLOVER, N. - HUSS, A. - MONNI, P.F. - RE, E. - ROTTOLI, L. - WALKER, D.M. The transverse momentum spectrum of weak gauge bosons at (NLL)-L-3 + NNLO. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 2019, vol. 79, no. 10., Registrované v: WOS
3. [1.1] CATANI, Stefano - DE FLORIAN, Daniel - FERRERA, Giancarlo - GRAZZINI, Massimiliano. Vector boson production at hadron colliders: transverse-momentum resummation and leptonic decay. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 12, art. no. 047., Registrované v: WOS
4. [1.1] DE MONCHENAULT, Gautier Hamel. Electroweak Measurements at the LHC. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 67. ISSN 0163-8998, 2017, vol. 67, pp. 19-44., Registrované v: WOS
5. [1.1] FISCHER, N. - PRESTEL, S. - RITZMANN, M. - SKANDS, P. VINCIA for hadron colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 11, art. no. 589., Registrované v: WOS
6. [1.1] FREDERIX, R. - FRIXIONE, S. - PAPAESTATHIOU, A. - PRESTEL, S. - TORRIELLI, P. A study of multi-jet production in association with an electroweak vector boson. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 2, art. no. 131., Registrované v: WOS
7. [1.1] GEHRMANN-DE RIDDER, A. - GEHRMANN, T. - GLOVER, E. W. N. - HUSS, A. - MORGAN, T. A. NNLO QCD corrections for Drell-Yan $p(T)(Z)$ and $\phi(\eta)^*$ observables at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 11, art. no. 094., Registrované v: WOS
8. [1.1] HOECHE, Stefan - PRESTEL, Stefan. The midpoint between dipole and parton showers. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 461., Registrované v: WOS
9. [1.1] LUISONI, Gionata - MARZANI, Simone. QCD resummation for hadronic final states. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 10, art. no. 103101., Registrované v: WOS
10. [1.1] MARQUET, C. - WEI, S.Y. - XIAO, B.W. Probing parton saturation with forward $Z(0)$ -boson production at small transverse momentum in p plus p and p plus A collisions. In PHYSICS LETTERS B. ISSN 0370-2693, MAR 10 2020, vol. 802., Registrované v: WOS
11. [1.1] MARZANI, Simone. Combining $Q(T)$ and small- x resummations. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 054047., Registrované v: WOS

ADCA294 AKTAS, A. - BRUNCKO, Dušan - FERENCÉI, Jozef - MURÍN, Pavol - TOMASZ, Filip. Measurement of anti-deuteron photoproduction and a search for heavy stable charged particles at HERA. In *European Physical Journal C*, 2004, vol. 36, no. 4, p. 413-423. (2003: 3.580 - IF, Current Contents - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s2004-01978-x>

Ohlasy:

1. [1.1] BARILE, Francesco. Light (hyper-)nuclei production at the LHC measured with ALICE. In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, art. no.

04003., Registrované v: WOS

2. [1.1] DU, Guangle - LI, Tianjun - NANOPOULOS, D. V. - RAZA, Shabbar. Supernatural MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 2, art. no. 025038., Registrované v: WOS

ADCA295 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Peter - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VAĽA, Martin. Measurement of azimuthal correlations of D mesons with charged particles in pp collisions at $\sqrt{s}=7$ TeV and p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. In *European Physical Journal C*, 2017, vol. 77, no. 4, art. no. 245. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-017-4779-8>

Ohlasy:

1. [1.1] DONG, Xin - GRECO, Vincenzo. Heavy quark production and properties of Quark-Gluon Plasma. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 104, pp. 97-141., Registrované v: WOS

2. [1.1] DONG, Xin - LEE, Yen-Jie - RAPP, Ralf. Open Heavy-Flavor Production in Heavy-Ion Collisions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 69. ISSN 0163-8998, 2019, vol. 69, pp. 417-445., Registrované v: WOS

3. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS

4. [1.1] VOGT, R. Heavy flavor azimuthal correlations in cold nuclear matter. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034907., Registrované v: WOS

5. [1.1] VOGT, R. Update on Heavy Flavor Production in Cold Matter. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 04004., Registrované v: WOS

6. [1.1] YU, Gong-Ming - CAI, Yan-Bing - BAI, Zhen - HU, Qiang. Centrality Dependence of Charmed-Meson Photoproduction in Ultrarelativistic Heavy Ion Collisions. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2019, vol. 71, no. 5, pp. 563-567., Registrované v: WOS

ADCA296 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Measurement of b Hadron Lifetimes in Exclusive Decays Containing a J/Psi in p(p)over-bar Collisions at $\sqrt{s}=1.96$ TeV. In *Physical Review Letters*, 2011, vol. 106, no. 12, art. no. 121804. (2010: 7.622 - IF, Q1 - JCR, 6.450 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.106.121804>

Ohlasy:

1. [1.1] FEIJOO, A. - MAGAS, V. K. - RAMOS, A. - OSET, E. $\Lambda(b) \rightarrow J/\psi K \Xi$ decay and the higher order chiral terms of the meson baryon interaction. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 076015., Registrované v: WOS

2. [1.1] LENZ, Alexander. Lifetimes and heavy quark expansion. In

ADCA297 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Measurement of branching ratio and $B\text{-}s(0)$ lifetime in the decay $B\text{-}s(0) \rightarrow J/\psi f(0)(980)$ at CDF. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2011, vol. 84, no. 5, art. no. 052012. (2010: 4.964 - IF, Q1 - JCR, 2.759 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.84.052012>

Ohlasy:

1. [1.1] LIANG, Wei-Hong - MOLINA, R. - XIE, Ju-Jun - DOERING, M. - OSET, E. Predictions for the $X(YZ)$ and $X(YZ)$ with $X(4160)$, $Y(3940)$, $Z(3930)$. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2015, vol. 51, no. 5, art. no. 58., Registrované v: WOS
2. [1.1] LIANG, Wei-Hong - XIE, Ju-Jun - OSET, E. $(B)\overline{B}(0)$, B - and $(B)\overline{B}(S)(0)$ decays into J/ψ and $K(K)\overline{K}$ or $\pi\eta$. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2015, vol. 75, no. 12, art. no. 609., Registrované v: WOS
3. [1.1] LIANG, Wei-Hong - XIE, Ju-Jun - OSET, E. $(B)\overline{B}(0)$ decay into D^0 and $f(0)(500)$, $f(0)(980)$, $a(0)(980)$, ρ and $(B)\overline{B}(s)(0)$ decay into D^0 and $\kappa(800)$, $K^*(0)$. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 034008., Registrované v: WOS
4. [1.1] SEKIHARA, Takayasu - OSET, Eulogio. Investigating the nature of light scalar mesons with semileptonic decays of D mesons. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 054038., Registrované v: WOS
5. [1.1] SEKIHARA, T. - KUMANO, S. Constraint on $K(K)\overline{K}$ compositeness of the $a(0)(980)$ and $f(0)(980)$ resonances from their mixing intensity. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 034010., Registrované v: WOS
6. [1.1] SHI, Yu-Ji - WANG, Wei. Chiral dynamics and S-wave contributions in semileptonic $D\text{-}s/B\text{-}s$ decays into $\pi^+\pi^-$. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 074038., Registrované v: WOS
7. [1.1] WANG, Wen-Fei - LI, Hsiang-nan - WANG, Wei - LU, Cai-Dian. S-wave resonance contributions to the $B\text{-}(s)(0) \rightarrow J/\psi \pi^+\pi^-$ and $B\text{-}s \rightarrow \pi^+\pi^-\mu^+\mu^-$ decays. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2015, vol. 91, no. 9, art. no. 094024., Registrované v: WOS
8. [1.1] XIE, Ju-Jun - DAI, Lian-Rong - OSET, Eulogio. The low lying scalar resonances in the D^0 decays into $K\text{-}s(0)$ and $f(0)(500)$, $f(0)(980)$, $a(0)(980)$. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2015, vol. 742, pp. 363-369., Registrované v: WOS

ADCA298 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Measurement of $B(t \rightarrow Wb)/B(t \rightarrow Wq)$ in Top-Quark-Pair Decays Using Dilepton Events and the Full CDF Run II Data Set. In *Physical Review Letters*, 2014, vol. 112, no. 22, art. no. 221801. (2013: 7.728 - IF, Q1 - JCR, 5.674 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.112.221801>

Ohlasy:

1. [1.1] BOOS, E. E. - BRANDT, O. E. - DENISOV, D. S. - DENISOV, S. P. - GRANNIS, P. D. The top quark (20 years after its discovery). In PHYSICS-USPEKHI. ISSN 1063-7869, 2015, vol. 58, no. 12, pp. 1133-1158., Registrované v: WOS
2. [1.1] DENISOV, Dmitri - VELLIDIS, Costas. The TOP QUARK, 20 years after its discovery. In PHYSICS TODAY. ISSN 0031-9228, 2015, vol. 68, no. 4, pp. 46-52., Registrované v: WOS

ADCA299 AALTONEN, T. - ALBROW, M.G. - AMERIO, S. - AMIDEI, D. - ANASTASSOV, A. - ANTOŠ, Jaroslav - LYSÁK, Roman. Measurement of central exclusive $\pi^+\pi^-$ production in $p(p)$ collisions at $\sqrt{s}=0.9$ and 1.96 TeV at CDF. In *Physical Review D*, 2015, vol. 91, no. 9, art. no. 091101. (2014: 4.643 - IF, Q1 - JCR, 2.414 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.91.091101>

Ohlasy:

1. [1.1] GURYN, Wlodek. CENTRAL EXCLUSIVE PARTICLE PRODUCTION IN DPE PROCESS: SEARCH FOR GLUEBALLS ETC. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 1, pp. 53-58., Registrované v: WOS
2. [1.1] HARLAND-LANG, L. A. - KHOZE, V. A. - RYSKIN, M. G. Exclusive physics at the LHC with SuperChic 2. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 1, pp., Registrované v: WOS
3. [1.1] LEBIEDOWICZ, Piotr - SZCZUREK, Antoni. Revised model of absorption corrections for the $pp \rightarrow pp \pi^+\pi^-$ process. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 054001., Registrované v: WOS
4. [1.1] LEBIEDOWICZ, Piotr - NACHTMANN, Otto - SZCZUREK, Antoni. Exclusive diffractive production of $\pi^+\pi^-\pi^+\pi^-$ via the intermediate σ σ and ρ ρ states in proton-proton collisions within tensor Pomeron approach. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, pp., Registrované v: WOS
5. [1.1] LEBIEDOWICZ, Piotr - NACHTMANN, Otto - SZCZUREK, Antoni. Central exclusive diffractive production of the $\pi^+\pi^-$ continuum, scalar, and tensor resonances in pp and $p(p)$ scattering within the tensor Pomeron approach. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, pp., Registrované v: WOS

ADCA300 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of colour flow using jet-pull observables in $t(t)$ events with the ATLAS experiment at $\sqrt{s}=13$ TeV. In *European Physical Journal C*, 2018, vol. 78, no. 10, art. no. 847. (2017: 5.172 - IF, Q1 - JCR, 2.022 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-018-6290-2>

Ohlasy:

1. [1.1] BAO, Y.J. - LARKOSKI, A.J. Calculating pull for non-singlet jets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 4 2019, no. 12., Registrované v: WOS

2. [1.1] KIM, J.H. - KIM, M. - KONG, K. - MATCHEV, K.T. - PARK, M. Portraying double Higgs at the Large Hadron Collider. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 6 2019, no. 9., Registrované v: WOS
3. [1.1] LARKOSKI, A.J. - MARZANI, S. - WU, C. Theory predictions for the pull angle. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 17 2019, vol. 99, no. 9., Registrované v: WOS

ADCA301 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of colour flow with the jet pull angle in $t(\bar{t})$ over-bar events using the ATLAS detector at $\sqrt{s}=8$ TeV. In *Physics Letters B*, 2015, vol. 750, p. 475-493. (2014: 6.131 - IF, Q1 - JCR, 3.562 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2015.09.051>

Ohlasy:

1. [1.1] BAO, Y.J. - LARKOSKI, A.J. Calculating pull for non-singlet jets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 4 2019, no. 12., Registrované v: WOS
2. [1.1] DREYER, Frederic A. - NECIB, Lina - SOYEZ, Gregory - THALER, Jesse. Recursive Soft Drop. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 093., Registrované v: WOS
3. [1.1] HARLAND-LANG, L. A. - KHOZE, V. A. - RYSKIN, M. G. Exclusive physics at the LHC with SuperChic 2. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 1, art. no. 9., Registrované v: WOS
4. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS
5. [1.1] KOMISKE, Patrick T. - METODIEV, Eric M. - THALER, Jesse. Energy flow polynomials: a complete linear basis for jet substructure. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 4, art. no. 013., Registrované v: WOS
6. [1.1] LARKOSKI, A. - MARZANI, S. - WU, C. Safe use of jet pull. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 17 2020, no. 1., Registrované v: WOS
7. [1.1] MALTONI, Fabio - SELVAGGI, Michele - THALER, Jesse. Exposing the dead cone effect with jet substructure techniques. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 054015., Registrované v: WOS
8. [1.1] MOULT, Ian - NECIB, Lina - THALER, Jesse. New angles on energy correlation functions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 12, art. no. 153., Registrované v: WOS
9. [1.1] TRIPATHEE, Aashish - XUE, Wei - LARKOSKI, Andrew - MARZANI, Simone - THALER, Jesse. Jet substructure studies with CMS open data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074003., Registrované v: WOS

ADCA302 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Measurement of correlated $b(\bar{b})$ over-bar production in $p(\bar{p})$ over-bar collisions at $\sqrt{s}=1960$ GeV. In

Physical Review D. Particles, fields, gravitation and cosmology, 2008, vol. 77, no. 7, art. no. 072004. (2007: 4.696 - IF, Q1 - JCR, 2.593 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.77.072004>

Ohlasy:

1. [1.1] SYROMYATNIKOV, A. G. On some features of possible torsion effects on observables at Hadron colliders. In *INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS*. ISSN 0219-8878, 2015, vol. 12, no. 10, art. no. 1550080., Registrované v: WOS

ADCA303 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Measurement of CP-violating asymmetries in D-0 - $\pi^+\pi^-$ and D-0 - K^+K^- decays at CDF. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2012, vol. 85, no. 1, art. no. 012009. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.85.012009>

Ohlasy:

1. [1.1] MUELLER, Sarah - NIERSTE, Ulrich - SCHACHT, Stefan. Sum Rules of Charm CP Asymmetries beyond the $SU(3)_F$ Limit. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2015, vol. 115, no. 25, art. no. 251802., Registrované v: WOS

ADCA304 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Measurement of cross sections for b jet production in events with a Z boson in $p(\bar{p})$ collisions at $\sqrt{s}=1.96$ TeV. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2009, vol. 79, no. 5, art. no. 052008. (2008: 5.050 - IF, Q1 - JCR, 2.920 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.79.052008>

Ohlasy:

1. [1.1] CORDERO, F. Febres - REINA, L. Electroweak gauge-boson production in association with b jets at Hadron Colliders. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2015, vol. 30, no. 16, art. no. 1530042., Registrované v: WOS
2. [1.1] VOUTILAINEN, Mikko. Heavy quark jets at the LHC. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2015, vol. 30, no. 31, art. no. 1546008., Registrované v: WOS

ADCA305 AARON, F.D. - BRUNCKO, Dušan - FERENCEI, Jozef - MURÍN, Pavol - TOMASZ, Filip. Measurement of deeply virtual Compton scattering and its t-dependence at HERA. In *Physics Letters B*, 2008, vol. 659, no. 4, p. 796-806. (2007: 4.189 - IF, Q1 - JCR, 3.067 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2007.11.093>

Ohlasy:

1. [1.1] D'HOSE, Nicole. Deeply Virtual Compton Scattering and Exclusive Meson Production. In *4TH INTERNATIONAL WORKSHOP ON TRANSVERSE POLARISATION PHENOMENA IN HARD PROCESSES (TRANSVERSITY 2014)*. ISSN 2100-014X, 2015, vol. 85, art. no. 01004., Registrované v: WOS
2. [1.1] GONCALVES, V. P. - PIRES, D. S. Deeply virtual Compton

scattering at small x in future electron-ion colliders. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2015, vol. 91, no. 5, art. no. 055207., Registrované v: WOS
 3. [1.1] SILVA, Luis. The new spin physics program of the COMPASS experiment. In *3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS*. ISSN 2100-014X, 2015, vol. 95, art. no. 04063., Registrované v: WOS

ADCA306 AKTAS, A. - BRUNCKO, Dušan - FERENCIEI, Jozef - MURÍN, Pavol - TOMASZ, Filip. Measurement of deeply virtual Compton scattering at HERA. In *European Physical Journal C*, 2005, vol. 44, no. 1, p. 1-11. (2004: 3.486 - IF, Current Contents - CCC). (2005 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s2005-02345-3>

Ohlasy:

1. [1.1] D'HOSE, Nicole. Deeply Virtual Compton Scattering and Exclusive Meson Production. In *4TH INTERNATIONAL WORKSHOP ON TRANSVERSE POLARISATION PHENOMENA IN HARD PROCESSES (TRANSVERSITY 2014)*. ISSN 2100-014X, 2015, vol. 85, art. no. 01004., Registrované v: WOS
2. [1.1] SILVA, Luis. The new spin physics program of the COMPASS experiment. In *3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS*. ISSN 2100-014X, 2015, vol. 95, art. no. 04063., Registrované v: WOS

ADCA307 ADLOFF, C. - BRUNCKO, Dušan - FERENCIEI, Jozef - KURČA, Tibor - MARÁČEK, Richard - MURÍN, Pavol. Measurement of deeply virtual Compton scattering at HERA. In *Physics Letters B*, 2001, vol. 517, no. 1-2, p. 47-58. (2000: 4.213 - IF, Current Contents - CCC). (2001 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: [https://doi.org/10.1016/S0370-2693\(01\)00939-X](https://doi.org/10.1016/S0370-2693(01)00939-X)

Ohlasy:

1. [1.1] D'HOSE, Nicole. Deeply Virtual Compton Scattering and Exclusive Meson Production. In *4TH INTERNATIONAL WORKSHOP ON TRANSVERSE POLARISATION PHENOMENA IN HARD PROCESSES (TRANSVERSITY 2014)*. ISSN 2100-014X, 2015, vol. 85, art. no. 01004., Registrované v: WOS

ADCA308 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. In *European Physical Journal C*, 2017, vol. 77, no. 11, art. no. 765. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-017-5315-6>

Ohlasy:

1. [1.1] BERNAL, Nicolas - FONG, Chee Sheng - TONERO, Alberto. Sharing but not caring: collider phenomenology. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2018, no. 8, art. no. 037., Registrované v: WOS
2. [1.1] CHO, G.C. - YAMASHITA, K. - YONEMURA, M. Search for vector-mediated dark matter at the LHC with forward proton tagging. In

ADCA309 ACHARYA, S. - ADAMOŤ, D. - ADOFSSON, J. - AGGARWAL, M.M. -
AGLIERI RINELLA, G. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián -
MUŠINSKÝ, Ján - VALA, Martin. Measurement of deuteron spectra and elliptic
flow in Pb-Pb collisions at root s(NN)=2.76 TeV at the LHC. In *European Physical
Journal C*, 2017, vol. 77, no. 10, art. no. 658. (2016: 5.297 - IF, Q1 - JCR, 1.653 -
SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS,
SCOPUS). ISSN 1434-6044. Dostupné na:
<https://doi.org/10.1140/epjc/s10052-017-5222-x>

Ohlasy:

1. [1.1] CHEN, Jinhui - KEANE, Declan - MA, Yu-Gang - TANG,
Aihong - XU, Zhangbu. Antinuclei in heavy-ion collisions. In PHYSICS
REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573,
2018, vol. 760, pp. 1-39., Registrované v: WOS
2. [1.1] OLINICHENKO, Dmytro - PANG, Long-Gang - ELFNER,
Hannah - KOCH, Volker. Microscopic study of deuteron production in PbPb
collisions at root s=2.76 TeV via hydrodynamics and a hadronic afterburner. In
PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, art. no. 044907.,
Registrované v: WOS
3. [1.1] ZHAO, Wenbin - ZHU, Lilin - ZHENG, Hua - KO, Che Ming -
SONG, Huichao. Spectra and flow of light nuclei in relativistic heavy ion
collisions at energies available at the BNL Relativistic Heavy Ion Collider and at
the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985,
2018, vol. 98, no. 5, art. no. 054905., Registrované v: WOS
4. [1.1] ZHU, Lilin - ZHENG, Hua - KO, Che Ming - SUN, Yifeng.
Light nuclei production in Pb plus Pb collisions at root s(NN)=2.76 TeV. In
EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 10,
art. no. 175., Registrované v: WOS

ADCA310 ACHARYA, S. - ACOSTA, F.T. - ADAMOŤ, D. - ADOLFSSON, J. -
AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián -
MUŠINSKÝ, Ján - VALA, Martin. Measurement of dielectron production in central
Pb-Pb collisions at root S-NN=2.76 TeV. In *Physical Review C*, 2019, vol. 99, no. 2,
art. no. 024002. (2018: 3.132 - IF, Q2 - JCR, 1.502 - SJR, Q1 - SJR, Current
Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.
Dostupné na: <https://doi.org/10.1103/PhysRevC.99.024002>

Ohlasy:

1. [1.1] KOLESNIKOV, V.I. - KEKELIDZE, V.D. - MATVEEV, V.A.
- SORIN, A.S. Progress in the construction of the NICA accelerator complex. In
PHYSICA SCRIPTA. ISSN 0031-8949, SEP 2020, vol. 95, no. 9., Registrované
v: WOS
2. [1.1] NICOLA, A.G. Aspects on Effective Theories and the QCD
Transition. In SYMMETRY-BASEL. JUN 2020, vol. 12, no. 6., Registrované v:
WOS

ADCA311 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. -
BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef.
Measurement of differential cross sections and W+/W- cross-section ratios for W

boson production in association with jets at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2018, no. 5, art. no. 077. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP05\(2018\)077](https://doi.org/10.1007/JHEP05(2018)077)

Ohlasy:

1. [1.1] GEHRMANN-DE RIDDER, A. - GEHRMANN, T. - GLOVER, E.W.N. - HUSS, A. - WALKER, D.M. Vector boson production in association with a jet at forward rapidities. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, JUN 20 2019, vol. 79, no. 6., Registrované v: WOS
2. [1.1] HOICHE, S. - PRESTEL, S. - SCHULZ, H. Simulation of vector boson plus many jet final states at the high luminosity LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, JUL 24 2019, vol. 100, no. 1., Registrované v: WOS
3. [1.1] OCALAN, K. Higher-order differential cross section calculation for the associated production of a W boson and jets in the electron decay channel at a center-of-mass energy of 13 TeV in proton-proton collisions. In *TURKISH JOURNAL OF PHYSICS*. ISSN 1300-0101, 2019, vol. 43, no. 2, p. 156-166., Registrované v: WOS

ADCA312 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of differential cross sections of isolated-photon plus heavy-flavour jet production in pp collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. In *Physics Letters B*, 2018, vol. 776, p. 295-317. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2017.11.054>

Ohlasy:

1. [1.1] ABDOLMALEKI, H. - KHORRAMIAN, A. Parton distribution functions and constraints on the intrinsic charm content of the proton using the Brodsky-Hoyer-Peterson-Saka approach. In *PHYSICAL REVIEW D*. ISSN 2470-0010, JUN 24 2019, vol. 99, no. 11., Registrované v: WOS
2. [1.1] GRIDIN, A. - GROOTE, S. - GUSKOV, A. - KOSHKAREV, S. Phenomenological Study for the Search of Evidence for Intrinsic Charm at the COMPASS Experiment. In *PHYSICS OF PARTICLES AND NUCLEI LETTERS*. ISSN 1547-4771, NOV 2020, vol. 17, no. 6, p. 826-833., Registrované v: WOS

ADCA313 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of differential cross-sections of a single top quark produced in association with a W boson at $\sqrt{s}=13$ TeV with ATLAS. In *European Physical Journal C*, 2018, vol. 78, no. 3, art. no. 186. (2017: 5.172 - IF, Q1 - JCR, 2.022 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-018-5649-8>

Ohlasy:

1. [1.1] BASKAKOV, Alexey - BOOS, Eduard - DUDKO, Lev. Model independent top quark width measurement using a combination of resonant and nonresonant cross sections. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018,

vol. 98, no. 11, art. no. 116011., Registrované v: WOS

2. [1.1] BRIVIO, I. - TROTT, M. The standard model as an effective field theory. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, FEB 27 2019, vol. 793, p. 1-98., Registrované v: WOS

3. [1.1] CLERBAUX, B. - FANG, W.X. - GIAMMANCO, A. - GOLDOUZIAN, R. Model-independent constraints on the CKM matrix elements vertical bar V-tb vertical bar, vertical bar V-ts vertical bar and vertical bar V-td vertical bar. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 5 2019, no. 3., Registrované v: WOS

4. [1.1] STOLARSKI, D. - TONERO, A. Constraining new physics with single top production at LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 7 2020, no. 8., Registrované v: WOS

ADCA314 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of differential J/psi production cross sections and forward-backward ratios in p plus Pb collisions with the ATLAS detector. In *Physical Review C. Nuclear physics*, 2015, vol. 92, no. 3, art. no. 034904. (2014: 3.733 - IF, Q1 - JCR, 2.480 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.92.034904>

Ohlasy:

1. [1.1] ANDRONIC, A. et al. Heavy-flavour and quarkonium production in the LHC era: from proton-proton to heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C. 2016, vol. 76, no. 3, art. no. 107., Registrované v: WOS

2. [1.1] ARNALDI, R. Experimental overview on quarkonium production. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 128-135., Registrované v: WOS

3. [1.1] DAS, Debasish - DUTTA, Nirupam. Anisotropic flow: A case for bottomonia. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 16, art. no. 1850092., Registrované v: WOS

4. [1.1] DUCLOUE, B. - LAPPI, T. - MANTYSAARI, H. Forward J/psi production at high energy: Centrality dependence and mean transverse momentum. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 074031., Registrované v: WOS

5. [1.1] LANSBERG, Jean-Philippe - SHAO, Hua-Sheng. Towards an automated tool to evaluate the impact of the nuclear modification of the gluon density on quarkonium, D and B meson production in proton-nucleus collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 77, no. 1, art. no. 1., Registrované v: WOS

6. [1.1] LANSBERG, J. P. Theory status of quarkonium production in proton-nucleus collisions. In 15TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2015). ISSN 1742-6588, 2016, vol. 668, art. no. 012019., Registrované v: WOS

7. [1.1] LOIZIDES, Constantin. Experimental overview on small collision systems at the LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 200-207., Registrované v: WOS

8. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L.

Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS

9. [1.1] SALGADO, Carlos A. - WESSELS, Johannes P. Proton-Lead Collisions at the CERN LHC. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 66. ISSN 0163-8998, 2016, vol. 66, pp. 449-473., Registrované v: WOS

10. [1.1] WINN, Michael. Prospects for Quarkonium Measurements in p-A and A-A Collisions at the LHC. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2017, vol. 58, no. 2, art. no. UNSP 53., Registrované v: WOS

11. [1.1] ZHOU, Y. Collective Effects in Nuclear Collisions: Experimental Overview. In NUCLEAR PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 71-77., Registrované v: WOS

ADCA315 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of differential production cross-sections for a Z boson in association with b-jets in 7 TeV proton-proton collisions with the ATLAS detector. In *Journal of High Energy Physics*, 2014, vol. 2014, no. 10, art. no. 141. (2013: 6.220 - IF, Q1 - JCR, 1.173 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP10\(2014\)141](https://doi.org/10.1007/JHEP10(2014)141)

Ohlasy:

1. [1.1] BRODSKY, S.J. - LYKASOV, G.I. - LIPATOV, A.V. - SMIESKO, J. Novel heavy-quark physics phenomena. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, SEP 2020, vol. 114., Registrované v: WOS

2. [1.1] FIGUEROA, D. - HONEYWELL, S. - QUACKENBUSH, S. - REINA, L. - REUSCHLE, C. - WACKEROTH, D. Electroweak and QCD corrections to Z-boson production with one b jet in a massive five-flavor scheme. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 093002., Registrované v: WOS

3. [1.1] GAULD, R. - RIDDER, A.G.D. - GLOVER, E.W.N. - HUSS, A. - MAJER, I. Predictions for Z-Boson Production in Association with a b-Jet at $O(\alpha^3(s))$. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, NOV 25 2020, vol. 125, no. 22., Registrované v: WOS

4. [1.1] ILTEN, Philip - RODD, Nicholas L. - THALER, Jesse - WILLIAMS, Mike. Disentangling heavy flavor at colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 054019., Registrované v: WOS

5. [1.1] KRAUSS, Frank - NAPOLETANO, Davide - SCHUMANN, Steffen. Simulating b-associated production of Z and Higgs bosons with the SHERPA event generator. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 036012., Registrované v: WOS

6. [1.1] KRAUSS, Frank - NAPOLETANO, Davide. Towards a fully massive five-flavor scheme. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 096002., Registrované v: WOS

7. [1.1] VOUTILAINEN, Mikko. Heavy quark jets at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 31, art. no. 1546008., Registrované v: WOS

ADCA316 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of dijet azimuthal decorrelations in pp collisions at root s=8 TeV with the ATLAS detector and determination of the strong coupling. In *Physical Review D*, 2018, vol. 98, no. 9, art. no. 092004. (2017: 4.394 - IF, Q1 - JCR, 1.801 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.98.092004>

Ohlasy:

1. [1.1] FORTE, S. - KASSABOV, Z. Why alpha s cannot be determined from hadronic processes without simultaneously determining the parton distributions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 28 2020, vol. 80, no. 3., Registrované v: WOS

ADCA317 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCÉI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of Dijet Azimuthal Decorrelations in pp Collisions at root s=7 TeV. In *Physical Review Letters*, 2011, vol. 106, no. 17, art. no. 172002. (2010: 7.622 - IF, Q1 - JCR, 6.450 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1140/epjc/s10052-014-3117-7>

Ohlasy:

1. [1.1] BELLM, Johannes - GIESEKE, Stefan - PLAETZER, Simon. Merging NLO multi-jet calculations with improved unitarization. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 244., Registrované v: WOS
2. [1.1] BROOKS, H. - PREUSS, C.T. - SKANDS, P. Sector showers for hadron collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 6 2020, no. 7., Registrované v: WOS
3. [1.1] FISCHER, N. - PRESTEL, S. - RITZMANN, M. - SKANDS, P. VINCIA for hadron colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 11, art. no. 589., Registrované v: WOS
4. [1.1] KHAN, Shaista - AHMAD, Shakeel. Entropy and Multifractality in Relativistic Ion-Ion Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2018, art. no. 2136908., Registrované v: WOS
5. [1.1] KRATZ, A. - PLEBANI, M. - PENG, M. - LEE, Y. K. - MCCAFFERTY, R. - MACHIN, S. J. ICSH recommendations for modified and alternate methods measuring the erythrocyte sedimentation rate. In INTERNATIONAL JOURNAL OF LABORATORY HEMATOLOGY. ISSN 1751-5521, 2017, vol. 39, no. 5, pp. 448-457., Registrované v: WOS
6. [1.1] LIU, X.H. - RINGER, F. - VOGELSANG, W. - YUAN, F. Lepton-Jet Correlations in Deep Inelastic Scattering at the Electron-Ion Collider. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, MAY 15 2019, vol. 122, no. 19., Registrované v: WOS
7. [1.1] LIU, X.H. - RINGER, F. - VOGELSANG, W. - YUAN, F. Factorization and its breaking in dijet single transverse spin asymmetries in pp collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 7 2020, vol. 102, no. 11., Registrované v: WOS
8. [1.1] MUELLER, A. H. - WU, Bin - XIAO, Bo-Wen - YUAN, Fen. Probing transverse momentum broadening in heavy ion collisions. In PHYSICS

LETTERS B. ISSN 0370-2693, 2016, vol. 763, pp. 208-212., Registrované v: WOS

9. [1.1] NEFEDOV, M.A. - SALEEV, V.A. Two-Jet Correlations in Multijet Events in the Regge Limit of QCD. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, JUL 2020, vol. 51, no. 4, p. 714-719., Registrované v: WOS

10. [1.1] REYER, M. - SCHONHERR, M. - SCHUMANN, S. Full NLO corrections to 3-jet production and R-32 at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, APR 9 2019, vol. 79, no. 4., Registrované v: WOS

11. [1.1] SINGHT, R. - MOHANTY, B. Identification of jet-like events using a multiplicity detector. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 3 2019, vol. 79, no. 7., Registrované v: WOS

ADCA318 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of dijet cross-sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector. In *Journal of High Energy Physics*, 2014, vol. 2014, no. 5, art. no. 059. (2013: 6.220 - IF, Q1 - JCR, 1.173 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1029-8479.

Ohlasy:

1. [1.1] CURRIE, J. - RIDDER, A. Gehrmann-De - GEHRMANN, T. - GLOVER, E. W. N. - HUSS, A. - PIRES, J. Precise Predictions for Dijet Production at the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 15, art. no. 152001., Registrované v: WOS

2. [1.1] CZAKON, M. - VAN HAMEREN, A. - MITOV, A. - PONCELET, R. Single-jet inclusive rates with exact color at $O(\alpha^4(s))$. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 29 2019, no. 10., Registrované v: WOS

3. [1.1] FARINA, M. - MONDINO, C. - PAPPADOPULO, D. - RUDERMAN, J.T. New physics from high energy tops. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 31 2019, no. 1., Registrované v: WOS

4. [1.1] FROLOV, I. V. - SMIRNOV, A. D. Mass limits for the chiral color symmetry G' -boson from LHC dijet data. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 24, art. no. 1650140., Registrované v: WOS

5. [1.1] KHALEK, R.A. - FORTE, S. - GEHRMANN, T. - GEHRMANN-DE RIDDER, A. - GIANI, T. - GLOVER, N. - HUSS, A. - NOCERA, E.R. - PIRES, J. - ROJO, J. - STAGNITTO, G. Phenomenology of NNLO jet production at the LHC and its impact on parton distributions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 31 2020, vol. 80, no. 8., Registrované v: WOS

6. [1.1] LEBIEDOWICZ, Piotr - LUSZCZAK, Marta - PASECHNIK, Roman - SZCZUREK, Antoni. Can the diphoton enhancement at 750 GeV be due to a neutral technipion? In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015023., Registrované v: WOS

7. [1.1] RABBERTZ, Klaus. Absolute Cross Sections. In JET PHYSICS AT THE LHC: THE STRONG FORCE BEYOND THE TEV SCALE. ISSN 0081-3869, 2017, vol. 268, pp. 111-144., Registrované v: WOS

8. [1.1] RABBERTZ, Klaus. Jet Measurement. In JET PHYSICS AT

ADCA319 ADAM, J. - ADAMOVIČ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Measurement of dijet $k(T)$ in p-Pb collisions at $\sqrt{s(NN)}=5.02$ TeV. In *Physics Letters B*, 2015, vol. 746, p. 385-395. (2014: 6.131 - IF, Q1 - JCR, 3.562 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2015.05.033>

Ohlasy:

1. [1.1] ARLEO, F. - NAIM, C.J. Nuclear p(perpendicular to)-broadening of Drell-Yan and quarkonium production from SPS to LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 29 2020, no. 7., Registrované v: WOS
2. [1.1] KANG, Zhong-Bo - QIU, Jian-Wei - WANG, Xin-Nian - XING, Hongxi. Next-to-leading order transverse momentum broadening for Drell-Yan production in p plus A collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 074038., Registrované v: WOS
3. [1.1] KHALEK, Rabah Abdul - ETHIER, Jacob J. - ROJO, Juan. Nuclear parton distributions from lepton-nucleus scattering and the impact of an electron-ion collider. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 6., Registrované v: WOS
4. [1.1] KHALEK, R.A. - ETHIER, J.J. - ROJO, J. - VAN WEELDEN, G. nNNPDF2.0: quark flavor separation in nuclei from LHC data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 28 2020, no. 9., Registrované v: WOS
5. [1.1] KHANPOUR, Hamzeh - TEHRANI, S. Atashbar. Global analysis of nuclear parton distribution functions and their uncertainties at next-to-next-to-leading order. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 014026., Registrované v: WOS
6. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS

ADCA320 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of dijet production with a veto on additional central jet activity in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. In *Journal of High Energy Physics*, 2011, vol. 2011, no. 9, art. no. 053. (2010: 6.049 - IF, 1.847 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP09\(2011\)053](https://doi.org/10.1007/JHEP09(2011)053)

Ohlasy:

1. [1.1] ANDERSEN, J.R. - HAPOLA, T. - HEIL, M. - MAIER, A. - SMILLIE, J. HEJ 2: High energy resummation for hadron colliders. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, DEC 2019, vol. 245., Registrované v: WOS
2. [1.1] BANSAL, S. - VAN HAEVERMAET, H. Forward physics results on jet production and energy flow at the LHC. In INTERNATIONAL

JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, FEB 10 2020, vol. 35, no. 4., Registrované v: WOS

3. [1.1] CAPORALE, F. - CELIBERTO, F. G. - CHACHAMIS, G. - GORDO GOMEZ, D. - SABIO VERA, A. Inclusive dijet hadroproduction with a rapidity veto constraint. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 935, pp. 412-434., Registrované v: WOS

4. [1.1] NAGY, Zoltan - SOPER, Davison E. Jets and threshold summation in DEDUCTOR. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 014035., Registrované v: WOS

5. [1.1] NAGY, Z. - SOPER, D.E. Exponentiating virtual imaginary contributions in a parton shower. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 9 2019, vol. 100, no. 7., Registrované v: WOS

6. [1.1] SAPETA, Sebastian. QCD and jets at hadron colliders. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 89, pp. 1-55., Registrované v: WOS

ADCA321 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of distributions sensitive to the underlying event in inclusive Z-boson production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *European Physical Journal C*, 2014, vol. 74, no. 12, art. no. 3195. (2013: 5.436 - IF, Q1 - JCR, 2.323 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-014-3195-6>

Ohlasy:

1. [1.1] ALIOLI, Simone - BAUER, Christian W. - GUNS, Sam - TACKMANN, Frank J. Underlying-event sensitive observables in Drell-Yan production using GENEVA. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 11, art. no. 614., Registrované v: WOS

2. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS

3. [1.1] KUMAR, R. - BANSAL, M. - BANSAL, S. - SINGH, J. B. New observables for multiple-parton interactions measurements using Z plus jets processes at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 054019., Registrované v: WOS

4. [1.1] MEHDIABADI, S.P. - FAHIM, A. Explicit jet veto as a tool to purify the underlying event in the Drell-Yan process using CMS Open Data. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, SEP 2019, vol. 46, no. 9., Registrované v: WOS

5. [1.1] ORTIZ, Antonio - VALENCIA PALOMO, Lizardo. Universality of the underlying event in pp collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 114019., Registrované v: WOS

ADCA322 ACHARYA, S. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Measurement of D-meson production at mid-rapidity in pp collisions at $\sqrt{s}=7$ TeV. In *European Physical Journal C*, 2017, vol. 77, no. 8, art. no. 550. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 -

SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-017-5090-4>

Ohlasy:

1. [1.1] DONG, Xin - LEE, Yen-Jie - RAPP, Ralf. Open Heavy-Flavor Production in Heavy-Ion Collisions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 69. ISSN 0163-8998, 2019, vol. 69, pp. 417-445., Registrované v: WOS
2. [1.1] HELENIUS, I. - PAUKKUNEN, H. Double D-meson production in proton-proton and proton-lead collisions at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, JAN 10 2020, vol. 800., Registrované v: WOS
3. [1.1] HE, Min - RAPP, Ralf. Charm-baryon production in proton-proton collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 795, pp. 117-121., Registrované v: WOS
4. [1.1] INGHIRAMI, Gabriele - VAN HEES, Hendrik - ENDRES, Stephan - TORRES-RINCON, Juan M. - BLEICHER, Marcus. Elliptic flow and R-AA of D mesons at FAIR comparing the UrQMD hybrid model and the coarse-graining approach. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 1., Registrované v: WOS
5. [1.1] KNIEHL, B.A. - KRAMER, G. - SCHIENBEIN, I. - SPIESBERGER, H. Lambda(+/-)(c) production in pp collisions with a new fragmentation function. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 22 2020, vol. 101, no. 11., Registrované v: WOS
6. [1.1] KRAMER, G. - SPIESBERGER, H. Study of heavy meson production in p-Pb collisions at root S=5.02 TeV in the general-mass variable-flavour-number scheme. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 925, pp. 415-430., Registrované v: WOS
7. [1.1] MACIULA, Rafal - SZCZUREK, Antoni. Production of Lambda(c) baryons at the LHC within the k(T)-factorization approach and independent parton fragmentation picture. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 014016., Registrované v: WOS
8. [1.1] MACIULA, R. - SZCZUREK, A. Independent quark/antiquark fragmentation to massive particles in proton-proton collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, MAR 2020, vol. 47, no. 3., Registrované v: WOS
9. [1.1] SCHMIDT, I. - SIDDIKOV, M. Production mechanisms of open-heavy flavor mesons. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 20 2020, vol. 101, no. 9., Registrované v: WOS
10. [1.1] SIDDIKOV, M. - SCHMIDT, I. Single diffractive production of open heavy flavor mesons. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 28 2020, vol. 102, no. 7., Registrované v: WOS
11. [1.1] SINEGOVSKY, S. I. - SOROKOVIKOV, M. N. The atmospheric neutrino flux from decays of charmed particles. In 26TH EXTENDED EUROPEAN COSMIC RAY SYMPOSIUM. ISSN 1742-6588, 2019, vol. 1181., Registrované v: WOS
12. [1.1] SINEGOVSKY, S.I. - SOROKOVIKOV, M.N. Prompt atmospheric neutrinos in the quark-gluon string model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 15 2020, vol. 80, no. 1., Registrované v: WOS
13. [1.1] ZENAIEV, O. - GARZELLI, M.V. - LIPKA, K. - MOCH, S.O. - COOPER-SARKAR, A. - OLNES, F. - GEISER, A. - SIGL, G. Improved

constraints on parton distributions using LHCb, ALICE and HERA heavy-flavour measurements and implications for the predictions for prompt atmospheric-neutrino fluxes. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 20 2020, no. 4., Registrované v: WOS

ADCA323 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Measurement of D-meson production versus multiplicity in p-Pb collisions at $\sqrt{s(NN)}=5.02$ TeV. In *Journal of High Energy Physics*, 2016, vol. 2016, no. 8, art. no. 078. (2015: 6.023 - IF, Q1 - JCR, 1.343 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP08\(2016\)078](https://doi.org/10.1007/JHEP08(2016)078)

Ohlasy:

1. [1.1] KHALEK, Rabah Abdul - ETHIER, Jacob J. - ROJO, Juan. Nuclear parton distributions from lepton-nucleus scattering and the impact of an electron-ion collider. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 6., Registrované v: WOS
2. [1.1] KOVNER, Alex - SKOKOV, Vladimir V. Bose enhancement, the Liouville effective action, and the high multiplicity tail in p A collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 014004., Registrované v: WOS
3. [1.1] MA, Yan-Qing - TRIBEDY, Prithwish - VENUGOPALAN, Raju - WATANABE, Kazuhiro. Event engineering studies for heavy flavor production and hadronization in high multiplicity hadron-hadron and hadron-nucleus collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 074025., Registrované v: WOS
4. [1.1] MA, Yan-Qing - TRIBEDY, Prithwish - VENUGOPALAN, Raju - WATANABE, Kazuhiro. Unified framework for heavy flavor and quarkonium production in high multiplicity p plus p and p plus A collisions at RHIC and LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 747-750., Registrované v: WOS
5. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS

ADCA324 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Measurement of D-s(+) production and nuclear modification factor in Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV. In *Journal of High Energy Physics*, 2016, vol. 2016, no. 3, art. no. 082. (2015: 6.023 - IF, Q1 - JCR, 1.343 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP03\(2016\)082](https://doi.org/10.1007/JHEP03(2016)082)

Ohlasy:

1. [1.1] KELLY, Aoife - SKULLERUD, Jon-Ivar. Thermal D mesons from anisotropic lattice QCD. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 07025., Registrované v: WOS

2. [1.1] YU, Gong-Ming - CAI, Yan-Bing - BAI, Zhen - HU, Qiang. Centrality Dependence of Charmed-Meson Photoproduction in Ultrarelativistic Heavy Ion Collisions. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2019, vol. 71, no. 5, pp. 563-567., Registrované v: WOS
3. [1.1] ZHOU, Long. D-s(+/-) meson production in Au plus Au collisions measured by the STAR experiment. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 241-244., Registrované v: WOS
4. [1.1] ZHOU, Long. D-s(+/-) meson production in Au plus Au collisions at root s(NN)=200 GeV in STAR. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012028., Registrované v: WOS

ADCA325 ACHARYA, S. - ADAMOŤ, D. - ADHYA, S.P. - ADLER, A. - ADOLFSSON, J. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Measurement of D-0, D+, D+* and D-s(+) production in pp collisions at root s=5.02 TeV with ALICE. In *European Physical Journal C*, 2019, vol. 79, no. 5, art. no. 388. (2018: 4.843 - IF, Q1 - JCR, 1.972 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-019-6873-6>

Ohlasy:

1. [1.1] ESKOLA, K.J. - HELENIUS, I. - PAAKKINEN, P. - PAUKKUNEN, H. A QCD analysis of LHCb D-meson data in p plus Pb collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 8 2020, no. 5., Registrované v: WOS
2. [1.1] SCHMIDT, I. - SIDDIKOV, M. Production mechanisms of open-heavy flavor mesons. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 20 2020, vol. 101, no. 9., Registrované v: WOS
3. [1.1] ZENAIEV, O. - GARZELLI, M.V. - LIPKA, K. - MOCH, S.O. - COOPER-SARKAR, A. - OLNES, F. - GEISER, A. - SIGL, G. Improved constraints on parton distributions using LHCb, ALICE and HERA heavy-flavour measurements and implications for the predictions for prompt atmospheric-neutrino fluxes. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 20 2020, no. 4., Registrované v: WOS

ADCA326 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of D-*+/-, D-+/- and D-S(+/-) meson production cross sections in pp collisions at root s=7 TeV with the ATLAS detector. In *Nuclear Physics B*, 2016, vol. 907, p. 717-763. (2015: 3.735 - IF, Q2 - JCR, 2.099 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0550-3213. Dostupné na: <https://doi.org/10.1016/j.nuclphysb.2016.04.032>

Ohlasy:

1. [1.1] AIOLA, Salvatore. Performance studies of D-meson tagged jets in pp collisions at root s=7 TeV with ALICE. In WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS (HOT QUARKS 2016). ISSN 1742-6588, 2017, vol. 832, art. no. UNSP 012030., Registrované v: WOS
2. [1.1] ANDERLE, Daniele P. - KAUFMANN, Tom - STRATMANN,

- Marco - RINGER, Felix - VITEV, Ivan. Using hadron-in-jet data in a global analysis of D^* fragmentation functions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 034028., Registrované v: WOS
3. [1.1] BALL, Richard D. - BERTONE, Valerio - BONVINI, Marco - CARRAZZA, Stefano - FORTE, Stefano - GUFFANTI, Alberto - HARTLAND, Nathan P. - ROJO, Juan - ROTTOLI, Luca. A determination of the charm content of the proton. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 11, art. no. 647., Registrované v: WOS
4. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
5. [1.1] BHATTACHARYA, Atri - ENBERG, Rikard - JEONG, Yu Seon - KIM, C. S. - RENO, Mary Hall - SARCEVIC, Ina - STASTO, Anna. Prompt atmospheric neutrino fluxes: perturbative QCD models and nuclear effects. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 11, art. no. 167., Registrované v: WOS
6. [1.1] BONDARENKO, K. - BOYARSKY, A. - OVCHYNNIKOV, M. - RUCHAYSKIY, O. Sensitivity of the intensity frontier experiments for neutrino and scalar portals: analytic estimates. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 12 2019, no. 8., Registrované v: WOS
7. [1.1] DE OLIVEIRA, E. G. - MARTIN, A. D. - RYSKIN, M. G. Scale dependence of open $c(c)\text{-}\bar{c}$ and $b(b)\text{-}\bar{b}$ production in the low x region. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 3, art. no. 182., Registrované v: WOS
8. [1.1] D'ENTERRIA, D. - SHAO, H.S. Rare two-body decays of the top quark into a bottom meson plus an up or charm quark. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 20 2020, no. 7., Registrované v: WOS
9. [1.1] HELENIUS, I. - PAUKKUNEN, H. Double D-meson production in proton-proton and proton-lead collisions at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, JAN 10 2020, vol. 800., Registrované v: WOS
10. [1.1] JEONG, Yu Seon - BHATTACHARYA, Atri - ENBERG, Rikard - KIM, C. S. - RENO, Mary Hall - SARCEVIC, Ina - STASTO, Anna. Prompt atmospheric neutrino flux from the various QCD models. In XLVI INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2016). ISSN 2100-014X, 2017, vol. 141, art. no. UNSP 07002., Registrované v: WOS
11. [1.1] KANG, Zhong-Bo - RINGER, Felix - VITEV, Ivan. Effective field theory approach to open heavy flavor production in heavy-ion collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 146., Registrované v: WOS
12. [1.1] KRAMER, G. - SPIESBERGER, H. Study of heavy meson production in p-Pb collisions at $\sqrt{s}=5.02$ TeV in the general-mass variable-flavour-number scheme. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 925, pp. 415-430., Registrované v: WOS
13. [1.1] MACIULA, Rafal - SZCZUREK, Antoni. Charm quark and meson production in association with single-jet at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 114037.,

Registrované v: WOS

14. [1.1] PRINO, Francesco - RAPP, Ralf. Open heavy flavor in QCD matter and in nuclear collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 9, art. no. 093002., Registrované v: WOS

15. [1.1] SINEGOVSKY, S. I. - SOROKOVIKOV, M. N. Production of Charmed Particles in the Quark-Gluon String Model and Estimate of Their Contributions to Atmospheric Neutrino Fluxes. In RUSSIAN PHYSICS JOURNAL. ISSN 1064-8887, 2017, vol. 60, no. 7, pp. 1189-1196., Registrované v: WOS

16. [1.1] SINEGOVSKY, S.I. - SOROKOVIKOV, M.N. The atmospheric neutrino flux from decays of charmed particles. In 26TH EXTENDED EUROPEAN COSMIC RAY SYMPOSIUM. ISSN 1742-6588, 2019, vol. 1181., Registrované v: WOS

17. [1.1] SINEGOVSKY, S.I. - SOROKOVIKOV, M.N. Prompt atmospheric neutrinos in the quark-gluon string model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 15 2020, vol. 80, no. 1., Registrované v: WOS

18. [1.1] ZENAIEV, O. Charm production and QCD analysis at HERA and LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 3, art. no. 151., Registrované v: WOS

19. [1.1] ZHENG, L. - ZHANG, C. - SHI, S.S. - LIN, Z.W. Improvement of heavy flavor production in a multiphase transport model updated with modern nuclear parton distribution functions. In PHYSICAL REVIEW C. ISSN 2469-9985, MAR 9 2020, vol. 101, no. 3., Registrované v: WOS

ADCA327 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of $D^{*}(+/-)$ meson production in jets from pp collisions at root s=7 TeV with the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2012, vol. 85, no. 5, art. no. 052005. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Ohlasy:

1. [1.1] AIOLA, Salvatore. Performance studies of D-meson tagged jets in pp collisions at root s=7 TeV with ALICE. In WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS (HOT QUARKS 2016). ISSN 1742-6588, 2017, vol. 832, art. no. UNSP 012030., Registrované v: WOS

2. [1.1] ANDERLE, Daniele P. - KAUFMANN, Tom - STRATMANN, Marco - RINGER, Felix - VITEV, Ivan. Using hadron-in-jet data in a global analysis of D^{*} fragmentation functions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 034028., Registrované v: WOS

3. [1.1] BIANCHIN, C. From light- to heavy-quark fragmentation in jets: current measurements in pp collisions with the ALICE detector and perspectives. In HOT QUARKS 2014: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS. ISSN 1742-6588, 2015, vol. 612, art. no. 012020., Registrované v: WOS

4. [1.1] DONG, X. - GRECO, V. Heavy quark production and properties

of Quark-Gluon Plasma. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, JAN 2019, vol. 104, p. 97-141., Registrované v: WOS

5. [1.1] KANG, Zhong-Bo - RINGER, Felix - VITEV, Ivan. Effective field theory approach to open heavy flavor production in heavy-ion collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 146., Registrované v: WOS

6. [1.1] KANG, Z.B. - LEE, K. - TERRY, J. - XING, H.X. Jet fragmentation functions for Z-tagged jets. In PHYSICS LETTERS B. ISSN 0370-2693, NOV 10 2019, vol. 798., Registrované v: WOS

7. [1.1] MESROPIAN, Christina - BANDURIN, Dmitry. Review of physics results from the Tevatron: QCD physics. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 6, art. no. 1541002., Registrované v: WOS

ADCA328 ADLOFF, C. - BRUNCKO, Dušan - FERENCEI, Jozef - KURČA, Tibor - MARÁČEK, Richard - MURÍN, Pavol. Measurement of $D^{*}(+/-)$ meson production and $F_2(c)$ in deep-inelastic scattering at HERA. In *Physics Letters B*, 2002, vol. 528, no. 3-4, p. 199-214. (2001: 4.377 - IF, Current Contents - CCC). (2002 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] BALL, Richard D. - BERTONE, Valerio - CARRAZZA, Stefano - DEANS, Christopher S. - DEL DEBBIO, Luigi - FORTE, Stefano - GUFFANTI, Alberto - HARTLAND, Nathan P. - LATORRE, Jose I. - ROJO, Juan - UBIALI, Maria. Parton distributions for the LHC run II. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 040., Registrované v: WOS

ADCA329 ADLOFF, C. - BRUNCKO, Dušan - FERENCEI, Jozef - KURČA, Tibor - MARÁČEK, Richard - MURÍN, Pavol. Measurement of elastic electroproduction of phi mesons at HERA. In *Physics Letters B*, 2000, vol. 483, no. 4, p. 360-372. (1999: 3.878 - IF, Current Contents - CCC). (2000 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] D'HOSE, Nicole. Deeply Virtual Compton Scattering and Exclusive Meson Production. In 4TH INTERNATIONAL WORKSHOP ON TRANSVERSE POLARISATION PHENOMENA IN HARD PROCESSES (TRANSVERSITY 2014). ISSN 2100-014X, 2015, vol. 85, art. no. 01004., Registrované v: WOS

ADCA330 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - ŠÁNDOR, Ladislav - VALA, Martin. Measurement of electrons from beauty hadron decays in pp collisions at $\sqrt{s}=7$ TeV. In *Physics Letters B*, 2013, vol. 721, no. 1-3, p. 13-23. (2012: 4.569 - IF, Q1 - JCR, 3.353 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2013.01.069>

Ohlasy:

1. [1.1] WAGNER, Jan. Measurement of electrons from charm and beauty-hadron decays in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV with ALICE at the LHC. In HOT QUARKS 2014: WORKSHOP FOR YOUNG SCIENTISTS

ADCA331 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VAĽA, Martin. Measurement of electrons from beauty-hadron decays in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV and Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. In *Journal of High Energy Physics*, 2017, no. 7, art. no. 052. (2016: 6.063 - IF, Q1 - JCR, 1.163 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP07\(2017\)052](https://doi.org/10.1007/JHEP07(2017)052)

Ohlasy:

1. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS

ADCA332 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VAĽA, Martin. Measurement of electrons from heavy-flavour hadron decays in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. In *Physics Letters B*, 2016, vol. 754, p. 81-93. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2015.12.067>

Ohlasy:

1. [1.1] FUJII, Hirotugu - WATANABE, Kazuhiro. Leptons from heavy-quark semileptonic decay in pA collisions within the CGC framework (vol 951, pg 45, 2016). In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2017, vol. 961, pp. 218-221., Registrované v: WOS
2. [1.1] KHALEK, Rabah Abdul - ETHIER, Jacob J. - ROJO, Juan. Nuclear parton distributions from lepton-nucleus scattering and the impact of an electron-ion collider. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2019, vol. 79, no. 6., Registrované v: WOS
3. [1.1] KHALEK, R.A. - ETHIER, J.J. - ROJO, J. - VAN WEELDEN, G. nNNPDF2.0: quark flavor separation in nuclei from LHC data. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, SEP 28 2020, no. 9., Registrované v: WOS
4. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS

ADCA333 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - ŠÁNDOR, Ladislav - VAĽA, Martin. Measurement of electrons from semileptonic heavy-flavor hadron decays in pp collisions at $\sqrt{s}=7$ TeV. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2012, vol. 86, no. 11, art. no. 112007. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current

Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.
Dostupné na: <https://doi.org/10.1103/PhysRevD.86.112007>

Ohlasy:

1. [1.1] BAGCHI, Debarshee - TSALLIS, Constantino. Sensitivity to initial conditions of a d-dimensional long-range-interacting quartic Fermi-Pasta-Ulam model: Universal scaling. In PHYSICAL REVIEW E. ISSN 2470-0045, 2016, vol. 93, no. 6, art. no. 062213., Registrované v: WOS
2. [1.1] BRITO, Samurai - DA SILVA, L. R. - TSALLIS, Constantino. Role of dimensionality in complex networks. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, art. no. 27992., Registrované v: WOS
3. [1.1] KIKOLA, Daniel. Effect of Hadron Contamination on Dielectron Signal Reconstruction in Heavy Flavor Production Measurements. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 385205., Registrované v: WOS
4. [1.1] QIU, Hui-Bin - LIU, San-Qiu. Nonlinear behavior of plasma: Connection with nonextensive statistics. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2018, vol. 510, pp. 486-491., Registrované v: WOS
5. [1.1] QIU, Hui-Bin - LIU, San-Qiu. Dispersion relation of longitudinal oscillation in relativistic plasmas with nonextensive distribution. In PHYSICS OF PLASMAS. ISSN 1070-664X, 2018, vol. 25, no. 10, art. no. 102102., Registrované v: WOS
6. [1.1] WAGNER, Jan. Measurement of electrons from charm and beauty-hadron decays in p-Pb collisions at $\sqrt{s}=5.02$ TeV with ALICE at the LHC. In HOT QUARKS 2014: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS. ISSN 1742-6588, 2015, vol. 612, art. no. 012031., Registrované v: WOS

ADCA334 ABELEV, Betty - ADAM, J. - ADAMOVIĆ, D. - AGGARWAL, M.M. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Measurement of electrons from semileptonic heavy-flavor hadron decays in pp collisions at $\sqrt{s}=2.76$ TeV. In *Physical Review D*, 2015, vol. 91, no. 1, art. no. 012001. (2014: 4.643 - IF, Q1 - JCR, 2.414 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.91.012001>

Ohlasy:

1. [1.1] MACIULA, Rafal - SZCZUREK, Antoni - LUSZCZAK, Marta. Open charm meson production at BNL RHIC within $k(t)$ -factorization approach and revision of their semileptonic decays. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 054006., Registrované v: WOS

ADCA335 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - PASTIRČÁK, Blahoslav - ŠÁNDOR, Ladislav - VALA, Martin. Measurement of event background fluctuations for charged particle jet reconstruction in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV (ALICE Collaboration). In *Journal of High Energy Physics*, 2012, vol. 2012, no. 3, art. no. 053. (2011: 5.831 - IF, 1.902 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1029-8479.

Ohlasy:

1. [1.1] SOYEZ, G. Pileup mitigation at the LHC: A theorist's view. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, APR 25 2019, vol. 803, p. 1-158., Registrované v: WOS

ADCA336 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at root s=7 TeV. In *European Physical Journal C*, 2011, vol. 72, no. 11, art. no. 2211. (2010: 3.248 - IF, Q2 - JCR, 2.215 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-012-2211-y>

Ohlasy:

1. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
2. [1.1] BECHER, Thomas - GARCIA I TORMO, Xavier - PICLUM, Jan. Next-to-next-to-leading logarithmic resummation for transverse thrust. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 054038., Registrované v: WOS
3. [1.1] KOKKAS, P. Measurements of jet-related observables at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 31, art. no. 1546004., Registrované v: WOS
4. [1.1] KUNDU, S.K. - SARKAR, T. - MAITY, M. Optimizing the parton shower model in PYTHIA with pp collision data at A root s=13 TeV. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, NOV 30 2019, vol. 34, no. 33., Registrované v: WOS
5. [1.1] LUISONI, Gionata - MARZANI, Simone. QCD resummation for hadronic final states. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 10, art. no. 103101., Registrované v: WOS

ADCA337 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Measurement of event shapes in p(p)over-bar collisions at root s=1.96 TeV. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2011, vol. 83, no. 11, art. no. 112007. (2010: 4.964 - IF, Q1 - JCR, 2.759 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.83.112007>

Ohlasy:

1. [1.1] BECHER, Thomas - GARCIA I TORMO, Xavier. Factorization and resummation for transverse thrust. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 071., Registrované v: WOS
2. [1.1] GERWICK, Erik - SCHUMANN, Steffen - HOECHE, Stefan - MARZANI, Simone. Soft evolution of multi-jet final states. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 2, art. no. 106., Registrované v: WOS

ADCA338 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of event-plane correlations in root s(NN)=2.76

TeV lead-lead collisions with the ATLAS detector. In *Physical Review C. Nuclear physics*, 2014, vol. 90, no. 2, art. no. 024905. (2013: 3.881 - IF, Q1 - JCR, 2.584 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Ohlasy:

1. [1.1] BHALERAO, Rajeev S. - OLLITRAULT, Jean-Yves - PAL, Subrata. Characterizing flow fluctuations with moments. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2015, vol. 742, pp. 94-98., Registrované v: WOS
2. [1.1] BILANDZIC, A. - LESCH, M. - TAGHAVI, S.F. New estimator for symmetry plane correlations in anisotropic flow analyses. In *PHYSICAL REVIEW C*. ISSN 0556-2813, AUG 14 2020, vol. 102, no. 2., Registrované v: WOS
3. [1.1] BOZEK, Piotr. Principal component analysis of the nonlinear coupling of harmonic modes in heavy-ion collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034905., Registrované v: WOS
4. [1.1] CASTILHO, Wagner M. - QIAN, Wei-Liang - GARDIM, Fernando G. - HAMA, Yojiro - KODAMA, Takeshi. Hydrodynamic approach to the centrality dependence of di-hadron correlations. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 064908., Registrované v: WOS
5. [1.1] CASTILHO, Wagner M. - QIAN, Wei-Liang - HAMA, Yojiro - KODAMA, Takeshi. Event-plane dependent di-hadron correlations with harmonic $v(n)$ subtraction in a hydrodynamic model. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2018, vol. 777, pp. 369-373., Registrované v: WOS
6. [1.1] CONNORS, Megan - NATTRASS, Christine - REED, Rosi - SALUR, Sevil. Jet measurements in heavy ion physics. In *REVIEWS OF MODERN PHYSICS*. ISSN 0034-6861, 2018, vol. 90, no. 2, art. no. 025005., Registrované v: WOS
7. [1.1] DENICOL, Gabriel S. Theory of collective dynamics: flow, fluctuations and correlations in heavy ion collisions. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2016, vol. 956, pp. 67-74., Registrované v: WOS
8. [1.1] DENICOL, Gabriel - MONNAI, Akihiko - SCHENKE, Bjorn. Moving Forward to Constrain the Shear Viscosity of QCD Matter. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2016, vol. 116, no. 21, art. no. 212301., Registrované v: WOS
9. [1.1] DI FRANCESCO, Philippe - GUILBAUD, Maxime - LUZUM, Matthew - OLLITRAULT, Jean-Yves. Systematic procedure for analyzing cumulants at any order. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2017, vol. 95, no. 4, art. no. 044911., Registrované v: WOS
10. [1.1] DUSLING, Kevin - LI, Wei - SCHENKE, Bjoern. Novel collective phenomena in high-energy proton-proton and proton-nucleus collisions. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS*. ISSN 0218-3013, 2016, vol. 25, no. 1, art. no. 1630002., Registrované v: WOS
11. [1.1] ESKOLA, K. J. - NIEMI, H. - PAATELAINEN, R. Pinning down QCD-matter shear viscosity in ultrarelativistic heavy-ion collisions via EbyE fluctuations using pQCD plus saturation plus hydrodynamics. In *NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS*. ISSN 2405-6014, 2016, vol. 276, pp. 161-164., Registrované v: WOS
12. [1.1] ESKOLA, K. J. - NIEMI, H. - PAATELAINEN, R. - TUOMINEN, K. Latest results from the EbyE NLO EKRT model. In *NUCLEAR*

PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 313-316., Registrované v: WOS

13. [1.1] GARDIM, Fernando G. - GRASSI, Frederique - LUZUM, Matthew - NORONHA-HOSTLER, Jacquelyn. Hydrodynamic predictions for mixed harmonic correlations in 200 GeV Au+ Au collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 3, art. no. 034901.,

Registrované v: WOS

14. [1.1] GARDIM, Fernando G. - GRASSI, Frederique - ISHIDA, Pedro - LUZUM, Matthew - MAGALHAES, Pablo S. - NORONHA-HOSTLER, Jacquelyn. Sensitivity of observables to coarse-graining size in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 6, art. no. 064919., Registrované v: WOS

15. [1.1] GARDIM, F.G. - GRASSI, F. - ISHIDA, P. - LUZUM, M. - MAGALHAES, P.S. - NORONHA-HOSTLER, J. Probing the transverse size of initial inhomogeneities with flow observables. In NUCLEAR PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 419-422., Registrované v: WOS

16. [1.1] GHIGLIERI, Jacopo - MOORE, Guy D. - TEANEY, Derek. Second-Order Hydrodynamics in Next-to-Leading-Order QCD. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 5, art. no. 052302., Registrované v: WOS

17. [1.1] GHIGLIERI, Jacopo - MOORE, Guy D. - TEANEY, Derek. QCD shear viscosity at (almost) NLO. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 179., Registrované v: WOS

18. [1.1] GIACALONE, Giuliano - YAN, Li - NORONHA-HOSTLER, Jacquelyn - OLLITRAULT, Jean-Yves. Symmetric cumulants and event-plane correlations in Pb plus Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 1, art. no. 014906., Registrované v: WOS

19. [1.1] GIACALONE, Giuliano - YAN, Li - NORONHA-HOSTLER, Jacquelyn - OLLITRAULT, Jean-Yves. The fluctuations of quadrangular flow. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012064., Registrované v: WOS

20. [1.1] GIACALONE, Giuliano - YAN, Li - OLLITRAULT, Jean-Yves. Nonlinear coupling of flow harmonics: Hexagonal flow and beyond. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 5, art. no. 054905., Registrované v: WOS

21. [1.1] GIACALONE, G. Nonlinear coupling of flow harmonics in heavy-ion collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 379-382., Registrované v: WOS

22. [1.1] HEINZ, Ulrich. Quark-gluon soup The perfectly liquid phase of QCD. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 2, art. no. 1530011., Registrované v: WOS

23. [1.1] Higher Harmonics v(3). In STUDY OF QUARK GLUON PLASMA BY PARTICLE CORRELATIONS IN HEAVY ION COLLISIONS. ISSN 2190-5053, 2016, pp. 33-39., Registrované v: WOS

24. [1.1] CHATTOPADHYAY, Chandrodoy - BHALERAO, Rajeev S. - OLLITRAULT, Jean-Yves - PAL, Subrata. Effects of initial-state dynamics on collective flow within a coupled transport and viscous hydrodynamic approach. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034915., Registrované v: WOS

25. [1.1] KIM, D. J. News on collectivity in Pb-Pb collisions from the ALICE experiment. In XLVI INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2016). ISSN 2100-014X, 2017, vol. 141, art. no. UNSP 01001., Registrované v: WOS
26. [1.1] LOIZIDES, Constantin. Experimental overview on small collision systems at the LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 200-207., Registrované v: WOS
27. [1.1] MAZELIAUSKAS, Aleksas - TEANEY, Derek. Fluctuations of harmonic and radial flow in heavy ion collisions with principal components. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 2, art. no. 024913., Registrované v: WOS
28. [1.1] MCDONALD, Scott - SHEN, Chun - FILLION-GOURDEAU, Francois - JEON, Sangyong - GALE, Charles. A Detailed Study and Synthesis of Flow Observables in the IP-Glasma plus MUSIC plus UrQMD Framework. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 393-396., Registrované v: WOS
29. [1.1] MCDONALD, Scott - SHEN, Chun - FILLION-GOURDEAU, Francois - JEON, Sangyong - GALE, Charles. Hydrodynamic predictions for Pb plus Pb collisions at 5.02 TeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 064913., Registrované v: WOS
30. [1.1] MEHRABPOUR, H. Systematic analysis of flow distributions. In PHYSICAL REVIEW C. ISSN 2469-9985, DEC 11 2020, vol. 102, no. 6., Registrované v: WOS
31. [1.1] MEHRABPOUR, H. - TAGHAVI, S.F. Non-Bessel-Gaussianity and flow harmonic fine-splitting. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 29 2019, vol. 79, no. 1., Registrované v: WOS
32. [1.1] NATTRASS, Christine - SHARMA, Natasha - MAZER, Joel - STUART, Meghan - BEJNOOD, Aram. Disappearance of the Mach cone in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 1, art. no. 011901., Registrované v: WOS
33. [1.1] NATTRASS, Christine - TODOROKI, Takahito. Event plane dependence of the flow modulated background in dihadron and jet-hadron correlations in heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 5, art. no. 054911., Registrované v: WOS
34. [1.1] NIEMI, H. - ESKOLA, K. J. - PAATELAINEN, R. - TUOMINEN, K. Pinning down QCD-matter shear viscosity in A plus A collisions via EbyE fluctuations using pQCD plus saturation plus hydrodynamics. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 312-315., Registrované v: WOS
35. [1.1] NIEMI, H. - ESKOLA, K. J. - PAATELAINEN, R. Event-by-event fluctuations in a perturbative QCD plus saturation plus hydrodynamics model: Determining QCD matter shear viscosity in ultrarelativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 2, art. no. 024907., Registrované v: WOS
36. [1.1] NIEMI, H. - ESKOLA, K. J. - PAATELAINEN, R. - TUOMINEN, K. Predictions for 5.023 TeV Pb + Pb collisions at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 1, art. no. 014912., Registrované v: WOS
37. [1.1] NORONHA-HOSTLER, Jacquelyn. Hydrodynamic Overview at Hot Quarks 2016. In WORKSHOP FOR YOUNG SCIENTISTS ON THE

PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS
(HOT QUARKS 2016). ISSN 1742-6588, 2017, vol. 832, art. no. UNSP 012046.,
Registrované v: WOS

38. [1.1] OKAMOTO, Kazuhisa - NONAKA, Chiho. A new relativistic
viscous hydrodynamics code and its application to the Kelvin-Helmholtz
instability in high-energy heavy-ion collisions. In EUROPEAN PHYSICAL
JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 6, art. no. 383., Registrované
v: WOS

39. [1.1] PASECHNIK, Roman - SUMBERA, Michal. Phenomenological
Review on Quark-Gluon Plasma: Concepts vs. Observations. In UNIVERSE.
ISSN 2218-1997, 2017, vol. 3, no. 1, art. no. UNSP 7., Registrované v: WOS

40. [1.1] RASANEN, Sami S. ALICE overview. In 4TH
INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS.
ISSN 2100-014X, 2016, vol. 126, art. no. UNSP 02026., Registrované v: WOS

41. [1.1] SATAPATHY, S. - PAUL, S. - ANAND, A. - KUMAR, R. -
GHOSH, S. From non-interacting to interacting picture of thermodynamics and
transport coefficients for quark gluon plasma. In JOURNAL OF PHYSICS
G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, FEB 2020, vol.
47, no. 4., Registrované v: WOS

42. [1.1] SHARMA, Natasha - MAZER, Joel - STUART, Meghan -
NATTRASS, Christine. Background subtraction methods for precision
measurements of di-hadron and jet-hadron correlations in heavy ion collisions. In
PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 4, art. no. 044915.,
Registrované v: WOS

43. [1.1] SCHENKE, B. - SHEN, C. - TRIBEDY, P. Multiparticle and
charge-dependent azimuthal correlations in heavy-ion collisions at the
Relativistic Heavy-Ion Collider. In PHYSICAL REVIEW C. ISSN 2469-9985,
APR 12 2019, vol. 99, no. 4., Registrované v: WOS

44. [1.1] SIEVERT, M. - NORONHA-HOSTLER, J. CERN Large
Hadron Collider system size scan predictions for PbPb, XeXe, ArAr, and OO
with relativistic hydrodynamics. In PHYSICAL REVIEW C. ISSN 2469-9985,
AUG 2 2019, vol. 100, no. 2., Registrované v: WOS

45. [1.1] SONG, Huichao - ZHOU, You - GAJDOSOVA, Katarina.
Collective flow and hydrodynamics in large and small systems at the LHC. In
NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2017, vol. 28,
no. 7, art. no. 99., Registrované v: WOS

46. [1.1] TRIBEDY, Prithwish. Studies of three-particle correlations and
reaction-plane correlators from STAR. In XLVI INTERNATIONAL
SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2016). ISSN
2100-014X, 2017, vol. 141, art. no. UNSP 01004., Registrované v: WOS

47. [1.1] TUO, Shengquan. Mixed higher-order flow harmonics and
nonlinear response coefficients in PbPb collisions at 2.76 and 5.02 TeV with
CMS. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp.
381-384., Registrované v: WOS

48. [1.1] TU, Z. Search for the chiral magnetic effect and
vorticity-induced polarization effects in nuclear collisions. In NUCLEAR
PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 50-56., Registrované v:
WOS

49. [1.1] WEI, De-Xian - HUANG, Xu-Guang - YAN, Li. Hydrodynamic
response in simulations within a multiphase transport model. In PHYSICAL

- REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 4, art. no. 044908.,
Registrované v: WOS
50. [1.1] WEI, D.X. Transverse momentum dependent decorrelation in Pb-Pb collisions at LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, AUG 2020, vol. 29, no. 8., Registrované v: WOS
51. [1.1] WEN, D. - CASTILHO, W.M. - LIN, K. - QIAN, W.L. - HAMA, Y. - KODAMA, T. On the peripheral tube description of the two-particle correlations in nuclear collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, MAR 2019, vol. 46, no. 3.,
Registrované v: WOS
52. [1.1] WEN, D. - LIN, K. - QIAN, W.L. - WANG, B. - HAMA, Y. - KODAMA, T. On nonlinearity in hydrodynamic response to the initial geometry in relativistic heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, SEP 3 2020, vol. 56, no. 9., Registrované v: WOS
53. [1.1] XU, Hao-jie - LI, Zhuopeng - SONG, Huichao. High-order flow harmonics of identified hadrons in 2.76A TeV Pb plus Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 6, art. no. 064905.,
Registrované v: WOS
54. [1.1] YANG, J. - ZHANG, Y. - ZHANG, W.N. Hydrodynamical response of plane correlation in Pb plus Pb collisions at root s(NN)=2.76 TeV. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, OCT 2019, vol. 28, no. 10., Registrované v: WOS
55. [1.1] YAN, Li - OLLITRAULT, Jean-Yves. $v(4)$, $v(5)$, $v(6)$, $v(7)$: Nonlinear hydrodynamic response versus LHC data. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 744, pp. 82-87., Registrované v: WOS
56. [1.1] YAN, Li - PAL, Subrata - OLLITRAULT, Jean-Yves. Nonlinear hydrodynamic response confronts LHC data. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 340-343., Registrované v: WOS
57. [1.1] YAN, Li. A flow paradigm in heavy-ion collisions. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 4, art. no. 042001.,
Registrované v: WOS
58. [1.1] YAN, Li. Hydrodynamic modeling of heavy-ion collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 89-96.,
Registrované v: WOS
59. [1.1] YAN, Li. Plane correlations in small colliding systems. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 6, art. no. 064909.,
Registrované v: WOS
60. [1.1] ZHAO, Jie. Search for the chiral magnetic effect in relativistic heavy-ion collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 13, art. no. 1830010.,
Registrované v: WOS
61. [1.1] ZHAO, Wenbin - XU, Hao-jie - SONG, Huichao. Collective flow in 2.76 and 5.02 A TeV Pb + Pb collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 645., Registrované v: WOS
62. [1.1] ZHAO, Wenbin - ZHOU, You - XU, Hao-jie - DENG, Weitian - SONG, Huichao. Hydrodynamic collectivity in proton-proton collisions at 13 TeV. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 780, pp. 495-500.,
Registrované v: WOS
63. [1.1] ZHOU, You. Probing non-linearity of higher order anisotropic

flow in Pb-Pb collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 377-380., Registrované v: WOS

64. [1.1] ZHOU, You. Review of Anisotropic Flow Correlations in Ultrarelativistic Heavy-Ion Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 9365637., Registrované v: WOS

65. [1.1] ZHOU, Y. Collective Effects in Nuclear Collisions: Experimental Overview. In NUCLEAR PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 71-77., Registrované v: WOS

66. [1.1] ZHU, Xiangrong - ZHOU, You - XU, Haojie - SONG, Huichao. Correlations of flow harmonics in 2.76A TeV Pb-Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 4, art. no. 044902., Registrované v: WOS

67. [1.1] ZHU, Xiangrong - ZHOU, You - XU, Haojie - SONG, Huichao. Investigating the correlations of flow harmonics in 2.76A TeV Pb-Pb collisions. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012062., Registrované v: WOS

ADCA339 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABELOOS, B. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of event-shape observables in $Z - l(+)l(-)$ events in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector at the LHC. In *European Physical Journal C*, 2016, vol. 76, no. 7, art. no. 375. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4176-8>

Ohlasy:

1. [1.1] ALIOLI, Simone - BAUER, Christian W. - GUNS, Sam - TACKMANN, Frank J. Underlying-event sensitive observables in Drell-Yan production using GENEVA. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 11, art. no. 614., Registrované v: WOS

2. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS

3. [1.1] KUNDU, S.K. - SARKAR, T. - MAITY, M. Optimizing the parton shower model in PYTHIA with pp collision data at $\sqrt{s}=13$ TeV. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, NOV 30 2019, vol. 34, no. 33., Registrované v: WOS

ADCA340 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of exclusive gamma gamma right arrow $W+W-$ production and search for exclusive Higgs boson production in pp collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. In *Physical Review D*, 2016, vol. 94, no. 3, art. no. 032011. (2015: 4.506 - IF, Q2 - JCR, 2.236 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.94.032011>

Ohlasy:

1. [1.1] BIAN, Ligong - LEE, Hyun Min - PARK, Chan Beom. B-meson anomalies and Higgs physics in flavored $U(1)'$ model. In EUROPEAN

PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 306.,
Registrované v: WOS

2. [1.1] DAVID, G. Direct real photons in relativistic heavy ion collisions. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, APR 2020, vol. 83, no. 4., Registrované v: WOS

3. [1.1] FORTHOMME, L. - LUSZCZAK, M. - SCHAFER, W. - SZCZUREK, A. Rapidity gap survival factors caused by remnant fragmentation for $W+W^-$ pair production via $\gamma^*\gamma^* \rightarrow W+W^-$ subprocess with photon transverse momenta. In PHYSICS LETTERS B. ISSN 0370-2693, FEB 10 2019, vol. 789, p. 300-307., Registrované v: WOS

4. [1.1] GIL DA SILVEIRA, G. - GONCALVES, V. P. - JAIME, M. M. Exclusive vector meson photoproduction at the LHC and a future circular collider: A closer look on the final state. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034020., Registrované v: WOS

5. [1.1] GONCALVES, V. P. - JAIME, M. M. - MARTINS, D. E. - RANGEL, M. S. Exclusive and diffractive $\mu^+\mu^-$ production in pp collisions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 074024., Registrované v: WOS

6. [1.1] HARLAND-LANG, L. A. - KHOZE, V. A. - RYSKIN, M. G. Photon-initiated processes at high mass. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 074008., Registrované v: WOS

7. [1.1] INAN, S.C. - KISSELEV, A.V. Probe of the Randall-Sundrum-like model with the small curvature via light-by-light scattering at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 5 2019, vol. 100, no. 9., Registrované v: WOS

8. [1.1] KHOZE, V. A. - MARTIN, A. D. - RYSKIN, M. G. Multiple interactions and rapidity gap survival. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 5, art. no. 053002., Registrované v: WOS

9. [1.1] KOKSAL, M. - INAN, S. C. - BILLUR, A. A. - OZGUVEN, Y. - BAHAR, M. K. Analysis of the anomalous electromagnetic moments of the tau lepton in γp collisions at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 375-380., Registrované v: WOS

10. [1.1] LUSZCZAK, M. - SZCZUREK, A. PRODUCTION OF HEAVY PARTICLE PAIRS VIA PHOTON-PHOTON PROCESSES AT THE LHC. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2020, vol. 51, no. 6, p. 1449-1459., Registrované v: WOS

11. [1.1] SAHIN, I. - SPOR, S. - YILMAZ, D. - SELCIN, G.A. Photoproduction of mixed radions at a proton-proton collider. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, FEB 2020, vol. 47, no. 3., Registrované v: WOS

12. [1.1] SELCIN, G. Akkaya - SAHIN, I. Non-standard Higgs couplings in single Higgs boson production at the LHC and future linear collider. In CHINESE JOURNAL OF PHYSICS. ISSN 0577-9073, 2017, vol. 55, no. 6, pp. 2305-2317., Registrované v: WOS

13. [1.1] SPOR, S. - SAHIN, I. Lorentz-violating effects in single W boson production at the LHC. In TURKISH JOURNAL OF PHYSICS. ISSN 1300-0101, 2019, vol. 43, no. 1, p. 67-79., Registrované v: WOS

ADCA341 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of exclusive gamma gamma - l(+)l(-) production in proton-proton collisions at root s=7 TeV with the ATLAS detector. In *Physics Letters B*, 2015, vol. 749, p. 242-261. (2014: 6.131 - IF, Q1 - JCR, 3.562 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2015.07.069>

Ohlasy:

1. [1.1] CALLEA, G. RECENT TESTS OF QCD WITH THE ATLAS DETECTOR. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2020, vol. 13, no. 1, p. 9-15., Registrované v: WOS
2. [1.1] DAS, Arindam - OKADA, Nobuchika. Improved bounds on the heavy neutrino productions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 033003., Registrované v: WOS
3. [1.1] DAVID, G. Direct real photons in relativistic heavy ion collisions. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, APR 2020, vol. 83, no. 4., Registrované v: WOS
4. [1.1] FORTHOMME, L. - LUSZCZAK, M. - SCHAFER, W. - SZCZUREK, A. Rapidity gap survival factors caused by remnant fragmentation for W+W- pair production via gamma*gamma* -> W+W- subprocess with photon transverse momenta. In PHYSICS LETTERS B. ISSN 0370-2693, FEB 10 2019, vol. 789, p. 300-307., Registrované v: WOS
5. [1.1] GIL DA SILVEIRA, G. - GONCALVES, V. P. - JAIME, M. M. Exclusive vector meson photoproduction at the LHC and a future circular collider: A closer look on the final state. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034020., Registrované v: WOS
6. [1.1] GONCALVES, V. P. - JAIME, M. M. - MARTINS, D. E. - RANGEL, M. S. Exclusive and diffractive mu(+)mu(-) production in pp collisions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 074024., Registrované v: WOS
7. [1.1] GONCALVES, V. P. - MOREIRA, B. D. - NAVARRA, F. S. Double vector meson production in gamma gamma interactions at hadronic colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 3, art. no. 103., Registrované v: WOS
8. [1.1] GONCALVES, V.P. - MOREIRA, B.D. Probing the X(4350) in interactions at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 4 2019, vol. 79, no. 1., Registrované v: WOS
9. [1.1] HARLAND-LANG, L. A. - KHOZE, V. A. - RYSKIN, M. G. Photon-initiated processes at high mass. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 074008., Registrované v: WOS
10. [1.1] HARLAND-LANG, L. A. - KHOZE, V. A. - RYSKIN, M. G. The production of a diphoton resonance via photon-photon fusion. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 182., Registrované v: WOS
11. [1.1] INAN, S. C. - KISSELEV, A. Search for the RS model with a small curvature through photon-induced process at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 729., Registrované v: WOS
12. [1.1] INAN, S.C. - KISSELEV, A.V. Probe of the

- Randall-Sundrum-like model with the small curvature via light-by-light scattering at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 5 2019, vol. 100, no. 9., Registrované v: WOS
13. [1.1] KHOZE, V. A. - MARTIN, A. D. - RYSKIN, M. G. Multiple interactions and rapidity gap survival. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 5, art. no. 053002., Registrované v: WOS
14. [1.1] LEBIEDOWICZ, Piotr - SZCZUREK, Antoni. Exclusive and semiexclusive production of $\mu(+)\mu(-)$ pairs with Delta isobars and other resonances in the final state and the size of absorption effects. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 053007., Registrované v: WOS
15. [1.1] LUSZCZAK, M. - FORTHOMME, L. - SCHAFER, W. - SZCZUREK, A. Production of $t\bar{t}/m\bar{m}$ pairs via fusion with photon transverse momenta and proton dissociation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 15 2019, no. 2., Registrované v: WOS
16. [1.1] LUSZCZAK, M. - SZCZUREK, A. PRODUCTION OF HEAVY PARTICLE PAIRS VIA PHOTON-PHOTON PROCESSES AT THE LHC. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2020, vol. 51, no. 6, p. 1449-1459., Registrované v: WOS
17. [1.1] MOREIRA, B. D. - BERTULANI, C. A. - GONCALVES, V. P. - NAVARRA, F. S. Production of exotic charmonium in gamma gamma interactions at hadron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 094024., Registrované v: WOS
18. [1.1] PECCINI, G.M. - MORIGGI, L.S. - MACHADO, M.V.T. Dilepton production through timelike Compton scattering within the $k(T)$ -factorization approach. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 16 2020, vol. 102, no. 9., Registrované v: WOS

ADCA342 AKTAS, A. - BRUNCKO, Dušan - FERENCEI, Jozef - MURÍN, Pavol - TOMASZ, Filip. Measurement of $F_c(c)\overline{\text{bar}}(2)$ and $F_b(b)\overline{\text{bar}}(2)$ at low $Q(2)$ and x using the H1 vertex detector at HERA. In *European Physical Journal C*, 2006, vol. 45, no. 1, p. 23-33. (2005: 3.209 - IF, Q2 - JCR, 1.390 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s2005-02415-6>

Ohlasy:

1. [1.1] BEAUCHEMIN, P.H. - BEDNYAKOV, V. A. - LYKASOV, G. I. - STEPANENKO, Yu. Yu. Search for intrinsic charm in vector boson production accompanied by heavy-flavor jets. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 3, art. no. 034014., Registrované v: WOS
2. [1.1] BOROUN, G. R. Top structure function at the LHeC. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 741, pp. 197-201., Registrované v: WOS

ADCA343 AABOUD, M. - AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVA, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of fiducial and differential $W+W$ - production cross-sections at $\sqrt{s}=13$ TeV with the ATLAS detector. In *European Physical Journal C*, 2019, vol. 79, no. 10, art. no. 884. (2018: 4.843 - IF, Q1 - JCR, 1.972 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current

Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na:
<https://doi.org/10.1140/epjc/s10052-019-7371-6>

Ohlasy:

1. [1.1] ARBUZOV, B.A. The Bogolyubov Compensation Principle and Anomalous Interactions of Electroweak Bosons. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, JUL 2020, vol. 51, no. 4, p. 526-530., Registrované v: WOS
2. [1.1] BAGLIO, J. - DAWSON, S. - HOMILLER, S. QCD corrections in Standard Model EFT fits to WZ and WW production. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 30 2019, vol. 100, no. 11., Registrované v: WOS
3. [1.1] BRAUER, S. - DENNER, A. - PELLE, M. - SCHONHERR, M. - SCHUMANN, S. Fixed-order and merged parton-shower predictions for WW and WWj production at the LHC including NLO QCD and EW corrections. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 26 2020, no. 10., Registrované v: WOS
4. [1.1] DARVISHI, N. - MASOUMINIA, M.R. - OSTROLENK, K. $k(t)$ factorization versus collinear factorization in $W^+ W^-$ pair production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 13 2020, vol. 101, no. 1., Registrované v: WOS
5. [1.1] DENNER, A. - PELLICCIOLI, G. Polarized electroweak bosons in $W^+ W^-$ production at the LHC including NLO QCD effects. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 25 2020, no. 9., Registrované v: WOS
6. [1.1] EBERT, M.A. - MISTLBERGER, B. - VITA, G. N-jettiness beam functions at (NLO)-L-3. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 22 2020, no. 9., Registrované v: WOS
7. [1.1] FRANZOSI, D.B. - MATTELAER, O. - RUIZ, R. - SHIL, S. Automated predictions from polarized matrix elements. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 15 2020, no. 4., Registrované v: WOS
8. [1.1] GRAZZINI, M. - KALLWEIT, S. - WIESEMANN, M. - YOOK, J.Y. $W^+ W^-$ production at the LHC: NLO QCD corrections to the loop-induced gluon fusion channel. In PHYSICS LETTERS B. ISSN 0370-2693, MAY 10 2020, vol. 804., Registrované v: WOS
9. [1.1] GRAZZINI, M. - KALLWEIT, S. - LINDERT, J.M. - POZZORINI, S. - WIESEMANN, M. NNLO QCD plus NLO EW with MATRIX plus OPENLOOPS: precise predictions for vector-boson pair production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 13 2020, no. 2., Registrované v: WOS
10. [1.1] HAGHIGHAT, G. - RAISSI, D.H. - NAJAFABADI, M.M. New collider searches for axionlike particles coupling to gluons. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 4 2020, vol. 102, no. 11., Registrované v: WOS
11. [1.1] KALLWEIT, S. - RE, E. - ROTTOLI, L. - WIESEMANN, M. Accurate single- and double-differential resummation of colour-singlet processes with MATRIX plus RADISH: $W^+ W^-$ production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 22 2020, no. 12., Registrované v: WOS

ADCA344 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABED ABUD, A. - ABELING, K. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of flow harmonics correlations with mean transverse momentum in lead-lead and proton-lead collisions at $\sqrt{s(NN)}=5.02$ TeV with the ATLAS detector. In *European Physical Journal C*, 2019, vol. 79, no. 12, art. no. 985. (2018: 4.843 - IF, Q1 - JCR, 1.972 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-019-7489-6>

Ohlasy:

1. [1.1] BOZEK, P. - MEHRABPOUR, H. Correlation coefficient between harmonic flow and transverse momentum in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, JUN 3 2020, vol. 101, no. 6., Registrované v: WOS
2. [1.1] GIACALONE, G. Constraining the quadrupole deformation of atomic nuclei with relativistic nuclear collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, AUG 3 2020, vol. 102, no. 2., Registrované v: WOS
3. [1.1] GIACALONE, G. - SCHENKE, B. - SHEN, C. Observable Signatures of Initial State Momentum Anisotropies in Nuclear Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, NOV 5 2020, vol. 125, no. 19., Registrované v: WOS
4. [1.1] MAJ, K. AZIMUTHAL ANISOTROPY IN HEAVY-ION COLLISIONS WITH THE ATLAS DETECTOR AT THE LHC. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2020, vol. 13, no. 4, p. 687-693., Registrované v: WOS
5. [1.1] SCHENKE, B. - SHEN, C. - TEANEY, D. Transverse momentum fluctuations and their correlation with elliptic flow in nuclear collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, SEP 14 2020, vol. 102, no. 3., Registrované v: WOS

ADCA345 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of flow harmonics with multi-particle cumulants in Pb plus Pb collisions at $\sqrt{s(NN)}=2.76$ TeV with the ATLAS detector. In *European Physical Journal C*, 2014, vol. 74, no. 11, art. no. 3157. (2013: 5.436 - IF, Q1 - JCR, 2.323 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-014-3157-z>

Ohlasy:

1. [1.1] ABBASI, Navid - ALLAHBAKHSHI, Davood - DAVODY, Ali - TAGHAVI, Seyed Farid. Standardized cumulants of flow harmonic fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 024906., Registrované v: WOS
2. [1.1] ALBA, P. - SARTI, V. Mantovani - NORONHA, J. - NORONHA-HOSTLER, J. - PAROTTO, P. - VAZQUEZ, I. Portillo - RATTI, C. Effect of the QCD equation of state and strange hadronic resonances on multiparticle correlations in heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034909., Registrované v: WOS
3. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS

4. [1.1] BHALERAO, Rajeev S. - OLLITRAULT, Jean-Yves - PAL, Subrata. Characterizing flow fluctuations with moments. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 742, pp. 94-98., Registrované v: WOS
5. [1.1] BHALERAO, R.S. - GIACALONE, G. - OLLITRAULT, J.Y. Primordial non-Gaussianity in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, JUL 26 2019, vol. 100, no. 1., Registrované v: WOS
6. [1.1] BHALERAO, R.S. - GIACALONE, G. - OLLITRAULT, J.Y. Kurtosis of elliptic flow fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 30 2019, vol. 99, no. 1., Registrované v: WOS
7. [1.1] BRAVINA, L. V. - FOTINA, E. S. - KOROTKIKH, V. L. - LOKHTIN, I. P. - MALININA, L. V. - NAZAROVA, E. N. - PETRUSHANKO, S. V. - SNIGIREV, A. M. - ZABRODIN, E. E. Anisotropic flow fluctuations in hydro-inspired freeze-out model for relativistic heavy ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 12, art. no. 588., Registrované v: WOS
8. [1.1] BURKA, K. MEASUREMENTS OF FOURIER HARMONICS OF AZIMUTHAL ANISOTROPY IN Pb plus Pb AND Xe plus Xe COLLISIONS. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, p. 253-259., Registrované v: WOS
9. [1.1] CARZON, P. - RAO, S. - LUZUM, M. - SIEVERT, M. - NORONHA-HOSTLER, J. Possible octupole deformation of Pb-208 and the ultracentral $v(2)$ to $v(3)$ puzzle. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 9 2020, vol. 102, no. 5., Registrované v: WOS
10. [1.1] CASTLE, James R. Measurement of the Width and Skewness of Elliptic Flow Fluctuations in PbPb Collisions at 5.02 TeV with CMS. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 401-404., Registrované v: WOS
11. [1.1] CONNORS, Megan - NATTRASS, Christine - REED, Rosi - SALUR, Sevil. Jet measurements in heavy ion physics. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2018, vol. 90, no. 2, art. no. 025005., Registrované v: WOS
12. [1.1] DERRADI DE SOUZA, R. - KOIDE, T. - KODAMA, T. Hydrodynamic approaches in relativistic heavy ion reactions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 86, pp. 35-85., Registrované v: WOS
13. [1.1] DI FRANCESCO, Philippe - GUILBAUD, Maxime - LUZUM, Matthew - OLLITRAULT, Jean-Yves. Systematic procedure for analyzing cumulants at any order. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 4, art. no. 044911., Registrované v: WOS
14. [1.1] DUSLING, Kevin - LI, Wei - SCHENKE, Bjoern. Novel collective phenomena in high-energy proton-proton and proton-nucleus collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 1, art. no. 1630002., Registrované v: WOS
15. [1.1] GHOSH, Snigdha - SINGH, Sushant K. - CHATTERJEE, Sandeep - ALAM, Jane - SARKAR, Sourav. Initial conditions from the shadowed Glauber model for Pb plus Pb collisions at $\sqrt{s(NN)}=2.76$ TeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 5, art. no. 054904., Registrované v: WOS

16. [1.1] GIACALONE, Giuliano - YAN, Li - NORONHA-HOSTLER, Jacquelyn - OLLITRAULT, Jean-Yves. Symmetric cumulants and event-plane correlations in Pb plus Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 1, art. no. 014906., Registrované v: WOS
17. [1.1] GIACALONE, Giuliano - NORONHA-HOSTLER, Jacquelyn - OLLITRAULT, Jean-Yves. Relative flow fluctuations as a probe of initial state fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 5, art. no. 054910., Registrované v: WOS
18. [1.1] GIACALONE, Giuliano - YAN, Li - NORONHA-HOSTLER, Jacquelyn - OLLITRAULT, Jean-Yves. Skewness of elliptic flow fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 1, art. no. 014913., Registrované v: WOS
19. [1.1] GIACALONE, Giuliano - YAN, Li - NORONHA-HOSTLER, Jacquelyn - OLLITRAULT, Jean-Yves. The fluctuations of quadrangular flow. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012064., Registrované v: WOS
20. [1.1] GIACALONE, Giuliano - NORONHA-HOSTLER, Jacquelyn - LUZUM, Matthew - OLLITRAULT, Jean-Yves. Hydrodynamic predictions for 5.44 TeV Xe+Xe collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034904., Registrované v: WOS
21. [1.1] GIACALONE, G. Elliptic flow fluctuations in central collisions of spherical and deformed nuclei. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 19 2019, vol. 99, no. 2., Registrované v: WOS
22. [1.1] HABICH, M. - MILLER, G. A. - ROMATSCHKE, P. - XIANG, W. Testing hydrodynamic descriptions of p plus p collisions at TeV. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 7, art. no. 408., Registrované v: WOS
23. [1.1] CHATTOPADHYAY, Chandrodoy - BHALERAO, Rajeev S. - OLLITRAULT, Jean-Yves - PAL, Subrata. Effects of initial-state dynamics on collective flow within a coupled transport and viscous hydrodynamic approach. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034915., Registrované v: WOS
24. [1.1] KATZ, R. - PRADO, C.A.G. - NORONHA-HOSTLER, J. - NORONHA, J. - SUAIDE, A.A.P. Sensitivity study with a D and B mesons modular simulation code of heavy flavor R-AA and azimuthal anisotropies based on beam energy, initial conditions, hadronization, and suppression mechanisms. In PHYSICAL REVIEW C. ISSN 0556-2813, AUG 10 2020, vol. 102, no. 2., Registrované v: WOS
25. [1.1] LOIZIDES, Constantin. Experimental overview on small collision systems at the LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 200-207., Registrované v: WOS
26. [1.1] MEHRABPOUR, H. Systematic analysis of flow distributions. In PHYSICAL REVIEW C. ISSN 2469-9985, DEC 11 2020, vol. 102, no. 6., Registrované v: WOS
27. [1.1] MEHRABPOUR, H. - TAGHAVI, S.F. Non-Bessel-Gaussianity and flow harmonic fine-splitting. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 29 2019, vol. 79, no. 1., Registrované v: WOS
28. [1.1] NATTRASS, Christine - TODOROKI, Takahito. Event plane dependence of the flow modulated background in dihadron and jet-hadron

correlations in heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 5, art. no. 054911., Registrované v: WOS

29. [1.1] NORONHA-HOSTLER, Jacquelyn - YAN, Li - GARDIM, Fernando G. - OLLITRAULT, Jean-Yves. Linear and cubic response to the initial eccentricity in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 1, art. no. 014909., Registrované v: WOS

30. [1.1] NORONHA-HOSTLER, Jacquelyn - BETZ, Barbara - GYULASSY, Miklos - LUZUM, Matthew - NORONHA, Jorge - PORTILLO, Israel - RATTI, Claudia. Cumulants and nonlinear response of high p(T) harmonic flow at root s(NN)=5.02 TeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 4, art. no. 044901., Registrované v: WOS

31. [1.1] RYBCZYNSKI, Maciej - BRONIOWSKI, Wojciech. FLUCTUATIONS OF FLOW HARMONICS IN Pb plus Pb COLLISIONS AT root s(NN)=2.76 TeV FROM THE GLAUBER MODEL. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 4, pp. 1033-1044., Registrované v: WOS

32. [1.1] RYBCZYNSKI, M. - BRONIOWSKI, W. Glauber Monte Carlo predictions for ultrarelativistic collisions with O-16. In PHYSICAL REVIEW C. ISSN 0556-2813, DEC 24 2019, vol. 100, no. 6., Registrované v: WOS

33. [1.1] WEI, De-Xian - HUANG, Xu-Guang - YAN, Li. Hydrodynamic response in simulations within a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 4, art. no. 044908., Registrované v: WOS

34. [1.1] YAN, Li - OLLITRAULT, Jean-Yves. v(4), v(5), v(6), v(7): Nonlinear hydrodynamic response versus LHC data. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 744, pp. 82-87., Registrované v: WOS

35. [1.1] YAN, Li. A flow paradigm in heavy-ion collisions. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 4, art. no. 042001., Registrované v: WOS

ADCA346 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Measurement of forward-backward multiplicity correlations in lead-lead, proton-lead, and proton-proton collisions with the ATLAS detector. In *Physical Review C*, 2017, vol. 95, no. 6, art. no. 064914. (2016: 3.820 - IF, Q1 - JCR, 1.936 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.95.064914>

Ohlasy:

1. [1.1] BAREJ, Michal - BZDAK, Adam - GUTOWSKI, Pawel. Wounded-quark emission function at the top energy available at the BNL Relativistic Heavy Ion Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034901., Registrované v: WOS

2. [1.1] BZDAK, Adam. Rapidity dependence of transverse-momentum multiplicity correlations. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 056011., Registrované v: WOS

3. [1.1] MACE, M. - SKOKOV, V.V. - TRIBEDY, P. - VENUGOPALAN, R. Systematics of azimuthal anisotropy harmonics in proton-nucleus collisions at the LHC from the Color Glass Condensate. In PHYSICS LETTERS B. ISSN 0370-2693, JAN 10 2019, vol. 788, p. 161-165., Registrované v: WOS

4. [1.1] MAZELIAUSKAS, A. Initial conditions for nuclear collisions: theory overview. In NUCLEAR PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 134-141., Registrované v: WOS
5. [1.1] MONDAL, M. - MONDAL, J. - KAR, S. - DEB, A. - GHOSH, P. Forward-backward multiplicity and momentum correlations in pp collisions at LHC energies. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 21 2020, vol. 102, no. 1., Registrované v: WOS
6. [1.1] RAY, R.L. - JENTSCH, A. Phenomenological models of two-particle correlation distributions on transverse momentum in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 20 2019, vol. 99, no. 2., Registrované v: WOS
7. [1.1] ROHRMOSER, M. - BRONIOWSKI, W. Longitudinal correlations from fluctuating strings in Pb-Pb, p-Pb, and p-p collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 10 2020, vol. 101, no. 1., Registrované v: WOS
8. [1.1] SAKAI, A. - MURASE, K. - HIRANO, T. Rapidity decorrelation of anisotropic flow caused by hydrodynamic fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, DEC 2 2020, vol. 102, no. 6., Registrované v: WOS
9. [1.1] SHEN, Chun - SCHENKE, Bjorn. Dynamical initial-state model for relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 2, art. no. 024907., Registrované v: WOS

ADCA347 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of four-jet differential cross sections in $\sqrt{s}=8$ TeV proton-proton collisions using the ATLAS detector. In *Journal of High Energy Physics*, 2015, no. 12, art. no. 105. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP12\(2015\)105](https://doi.org/10.1007/JHEP12(2015)105)

Ohlasy:

1. [1.1] KHALEK, R.A. - FORTE, S. - GEHRMANN, T. - GEHRMANN-DE RIDDER, A. - GIANI, T. - GLOVER, N. - HUSS, A. - NOCERA, E.R. - PIRES, J. - ROJO, J. - STAGNITTO, G. Phenomenology of NNLO jet production at the LHC and its impact on parton distributions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 31 2020, vol. 80, no. 8., Registrované v: WOS
2. [1.1] MARIOTTO, Cristiano B. - DA SILVA, Rafael P. Double Heavy Quark-Antiquark Pair Production in Double Parton Scattering Processes at the LHC. In PROCEEDINGS OF THE 7TH INTERNATIONAL WORKSHOP ON ASTRONOMY AND RELATIVISTIC ASTROPHYSICS (IWARA 2016). ISSN 2010-1945, 2017, vol. 45, art. no. 1760065., Registrované v: WOS

ADCA348 AKTAS, A. - BRUNCKO, Dušan - FERENCZI, Jozef - TOMASZ, Filip. Measurement of $F_2(c(c)\overline{})$ and $F_2(b(b)\overline{})$ at high Q^2 using the H1 vertex detector at HERA. In *European Physical Journal C*, 2005, vol. 40, no. 3, p. 349-359. (2004: 3.486 - IF, Current Contents - CCC). (2005 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s2005-02154-8>

Ohlasy:

1. [1.1] BOROUN, G. R. Top structure function at the LHeC. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 741, pp. 197-201., Registrované v: WOS

ADCA349 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCÉI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of hard double-parton interactions in W(-lv) plus 2-jet events at $\sqrt{s}=7$ TeV with the ATLAS detector. In *New Journal of Physics*, 2013, vol. 15, art. no. 033038. (2012: 4.063 - IF, Q1 - JCR, 3.368 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1367-2630. Dostupné na: <https://doi.org/10.1140/epjc/s10052-014-2965-5>

Ohlasy:

1. [1.1] BABIARZ, I. - SCHAFER, W. - SZCZUREK, A. Associated production of $\chi(c)$ pairs with a gluon in the collinear-factorization approach. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 12 2019, vol. 99, no. 7., Registrované v: WOS
2. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
3. [1.1] BLOK, B. - CECCOPIERI, F.A. Z plus jets production via double parton scattering in pA collisions at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 20 2020, vol. 80, no. 8., Registrované v: WOS
4. [1.1] BLOK, B. - CECCOPIERI, F.A. Double parton scattering in pA collisions at the LHC revisited. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2020, vol. 80, no. 3., Registrované v: WOS
5. [1.1] BLOK, B. - GUNNELLINI, P. Dynamical approach to MPI four-jet production in Pythia. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 6, art. no. 282., Registrované v: WOS
6. [1.1] BLOK, B. - GUNNELLINI, P. Dynamical approach to MPI in W plus dijet and Z plus dijet production within the PYTHIA event generator. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, art. no. 202., Registrované v: WOS
7. [1.1] BORSCHENSKY, Christoph - KULESZA, Anna. Double parton scattering in pair production of J / ψ mesons at the LHC revisited. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034029., Registrované v: WOS
8. [1.1] BRONIOWSKI, W. - ARRIOLA, E.R. Double parton distribution of valence quarks in the pion in chiral quark models. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 22 2020, vol. 101, no. 1., Registrované v: WOS
9. [1.1] CALUCCI, G. - SALVINI, S. - TRELEANI, D. Double Parton Interactions in pA collisions and Partonic Correlations. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. 02001., Registrované v: WOS
10. [1.1] CECCOPIERI, Federico Alberto - RINALDI, Matteo - SCOPETTA, Sergio. Parton correlations in same-sign W pair production via

- double parton scattering at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 114030., Registrované v: WOS
11. [1.1] CORDERO, F. Febres - REINA, L. Electroweak gauge-boson production in association with b jets at Hadron Colliders. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 16, art. no. 1530042., Registrované v: WOS
 12. [1.1] COURTOY, A. - NOGUERA, S. - SCOPETTA, S. Two-current correlations in the pion in the Nambu and Jona-Lasinio model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 1 2020, vol. 80, no. 10., Registrované v: WOS
 13. [1.1] DIEHL, M. - GAUNT, J.R. - PLOSSL, P. - SCHAFER, A. Two-loop splitting in double parton distributions. In SCIPOST PHYSICS. ISSN 2542-4653, AUG 2019, vol. 7, no. 2., Registrované v: WOS
 14. [1.1] DIEHL, M. - GAUNT, J.R. - LANG, D.M. - PLOSSL, P. - SCHAFER, A. Sum rule improved double parton distributions in position space. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 25 2020, vol. 80, no. 5., Registrované v: WOS
 15. [1.1] DUCLOUE, B. - SZYMANOWSKI, L. - WALLON, S. Evaluating the double parton scattering contribution to Mueller-Navelet jets production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 076002., Registrované v: WOS
 16. [1.1] FEDKEVYCH, O. - LONNBLAD, L. Four-jet double parton scattering production in proton-nucleus collisions within the PYTHIA8 framework. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 17 2020, vol. 102, no. 1., Registrované v: WOS
 17. [1.1] GOGOTA, O. Double parton scattering in $p(p)$ -over-bar interactions at $\sqrt{s} = 1.96$ TeV. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2016, vol. 39, no. 4, art. no. 333., Registrované v: WOS
 18. [1.1] GOLEC-BIERNAT, Krzysztof - LEWANDOWSKA, Emilia - SERINO, Mirko - SNYDER, Zachary - STASTO, Anna M. Constraining the double gluon distribution by the single gluon distribution. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 750, pp. 559-564., Registrované v: WOS
 19. [1.1] GOLEC-BIERNAT, Krzysztof - STASTO, Anna M. Unintegrated double parton distributions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034033., Registrované v: WOS
 20. [1.1] GOLEC-BIERNAT, Krzysztof - STASTO, Anna. Unintegrated Double Parton Distributions a Summary. In DIFFRACTION 2016: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2017, vol. 1819, art. no. UNSP 060007-1., Registrované v: WOS
 21. [1.1] GOTSMAN, E. - LEVIN, E. - MAOR, U. CGC/saturation approach for soft interactions at high energy: long range rapidity correlations. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 11, art. no. 518., Registrované v: WOS
 22. [1.1] GOTSMAN, E. - LEVIN, E. Energy evolution and the Bose-Einstein enhancement for double parton densities. In PHYSICAL REVIEW D. ISSN 1550-7998, MAR 22 2019, vol. 99, no. 5., Registrované v: WOS
 23. [1.1] GOTSMAN, E. - LEVIN, E. Double parton interaction: The

- values of $\sigma(\text{eff})$. In PHYSICS LETTERS B. ISSN 0370-2693, APR 10 2020, vol. 803., Registrované v: WOS
24. [1.1] HAUTMANN, F. - JUNG, H. Hadron structure beyond collinear level and precision DIS measurements. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. UNSP 07004., Registrované v: WOS
25. [1.1] HU, Z. - LIU, T. - LEONARDO, N. T. - HAYTMYRADOV, M. Review of bottomonium measurements from CMS. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 19-20, art. no. 1730015., Registrované v: WOS
26. [1.1] CHANG, YH. Study of Double Parton Scattering in Photon + 3 Jets Final State: In Proton-Proton Collisions at $(\text{root})s = 7$ TeV with the CMS Experiment at the LHC. In STUDY OF DOUBLE PARTON SCATTERING IN PHOTON + 3 JETS FINAL STATE: IN PROTON-PROTON COLLISIONS AT $(\text{ROOT})S = 7$ TEV WITH THE CMS EXPERIMENT AT THE LHC. ISSN 2190-5053, 2017, pp. 1-101., Registrované v: WOS
27. [1.1] JUNG, Hannes - VAN MECHELEN, Pierre. Study of Double Parton Scattering Using Four-Jet Scenarios in Proton-Proton Collisions at $\text{root } s=7$ TeV with the CMS Experiment at the LHC Introduction and Literature Review. In STUDY OF DOUBLE PARTON SCATTERING USING FOUR-JET SCENARIOS: IN PROTON-PROTON COLLISIONS AT $(\text{SQUARE ROOT})S = 7$ TEV WITH THE CMS EXPERIMENT AT THE LHC. ISSN 2190-5053, 2016, pp. 1-28., Registrované v: WOS
28. [1.1] JUNG, Hannes - VAN MECHELEN, Pierre. A Hadronic Collision. In STUDY OF DOUBLE PARTON SCATTERING USING FOUR-JET SCENARIOS: IN PROTON-PROTON COLLISIONS AT $(\text{SQUARE ROOT})S = 7$ TEV WITH THE CMS EXPERIMENT AT THE LHC. ISSN 2190-5053, 2016, pp. 29-52., Registrované v: WOS
29. [1.1] JUNG, Hannes - VAN MECHELEN, Pierre. Extraction of the DPS Contribution. In STUDY OF DOUBLE PARTON SCATTERING USING FOUR-JET SCENARIOS: IN PROTON-PROTON COLLISIONS AT $(\text{SQUARE ROOT})S = 7$ TEV WITH THE CMS EXPERIMENT AT THE LHC. ISSN 2190-5053, 2016, pp. 199-217., Registrované v: WOS
30. [1.1] KASEMETS, Tomas - MULDER, Piet J. Constraining double-parton correlations and interferences. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 014015., Registrované v: WOS
31. [1.1] KASEMETS, Tomas - MUKHERJEE, Asmita. Quark-gluon double parton distributions in the light-front dressed quark model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 074029., Registrované v: WOS
32. [1.1] KONRATH, Rodrigo. Double Parton Scattering at the LHC. In XIII INTERNATIONAL WORKSHOP ON HADRON PHYSICS, SECTIONS 1-5. ISSN 1742-6588, 2016, vol. 706, art. no., Registrované v: WOS
33. [1.1] KUMAR, R. - BANSAL, M. - BANSAL, S. - SINGH, J. B. New observables for multiple-parton interactions measurements using Z plus jets processes at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 054019., Registrované v: WOS
34. [1.1] KUMAR, R. - BANSAL, M. - BANSAL, S. Jet fragmentation as a tool to explore double parton scattering using Z-boson plus jets processes at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 17 2019, vol. 99,

no. 9., Registrované v: WOS

35. [1.1] LANSBERG, Jean-Philippe - SHAO, Hua-Sheng. J/psi-pair production at large momenta: Indications for double parton scatterings and large $\alpha(5)(s)$ contributions. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 751, pp. 479-486., Registrované v: WOS

36. [1.1] LANSBERG, Jean-Philippe - SHAO, Hua-Sheng. Phenomenological analysis of associated production of $Z(0) + b$ in the $b \rightarrow J/\psi X$ decay channel at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 916, pp. 132-142., Registrované v: WOS

37. [1.1] LANSBERG, Jean-Philippe - SHAO, Hua-Sheng. J/psi plus Z production at the LHC. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 06013., Registrované v: WOS

38. [1.1] LANSBERG, Jean-Philippe - PISANO, Cristian - SCARPA, Florent - SCHLEGEL, Marc. Pinning down the linearly-polarised gluons inside unpolarised protons using quarkonium-pair production at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 784, pp. 217-222., Registrované v: WOS

39. [1.1] LANSBERG, Jean-Philippe - SHAO, Hua-Sheng - YAMANAKA, Nodoka. Indication for double parton scatterings in W plus prompt J/psi production at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 781, pp. 485-491., Registrované v: WOS

40. [1.1] LANSBERG, J.P. New observables in inclusive production of quarkonia. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, DEC 20 2020, vol. 889, p. 1-106., Registrované v: WOS

41. [1.1] LANSBERG, J.P. - SHAO, H.S. - YAMANAKA, N. - ZHANG, Y.J. - NOUS, C. Complete NLO QCD study of single- and double-quarkonium hadroproduction in the colour-evaporation model at the Tevatron and the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, AUG 10 2020, vol. 807., Registrované v: WOS

42. [1.1] MACIULA, Rafal - SZCZUREK, Antoni. Searching for and exploring double-parton scattering effects in four-jet production at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 749, pp. 57-62., Registrované v: WOS

43. [1.1] MACIULA, Rafal - SZCZUREK, Antoni. Double-parton scattering effects in associated production of charm mesons and dijets at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074013., Registrované v: WOS

44. [1.1] MACIULA, Rafal - SZCZUREK, Antoni. Double-parton scattering effects in $(DB^+)-B^0$ and $B+B^+$ meson-meson pair production in proton-proton collisions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 094010., Registrované v: WOS

45. [1.1] MARIOTTO, Cristiano B. - DA SILVA, Rafael P. Double Heavy Quark-Antiquark Pair Production in Double Parton Scattering Processes at the LHC. In PROCEEDINGS OF THE 7TH INTERNATIONAL WORKSHOP ON ASTRONOMY AND RELATIVISTIC ASTROPHYSICS (IWARA 2016). ISSN 2010-1945, 2017, vol. 45, art. no. UNSP 1760065., Registrované v: WOS

46. [1.1] MONDAL, C. - MUKHERJEE, A. - NAIR, S. Double parton distributions for a positroniumlike bound state using light-front wave functions.

- In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 1 2019, vol. 100, no. 9.,
Registrované v: WOS
47. [1.1] OSTAPCHENKO, Sergey - BLEICHER, Marcus. Double parton scattering: Impact of nonperturbative parton correlations. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 034015.,
Registrované v: WOS
48. [1.1] POPOV, A. V. Investigation of Single and Pair Production of J/psi Particles in the D0 Experiment at the Tevatron Accelerator. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2017, vol. 80, no. 11, pp. 1711-1714.,
Registrované v: WOS
49. [1.1] RINALDI, Matteo - CECCOPIERI, Federico Alberto. Relativistic effects in model calculations of double parton distribution functions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034040., Registrované v: WOS
50. [1.1] RINALDI, Matteo - SCOPETTA, Sergio - TRAINI, Marco - VENTO, Vicente. Double Parton Distributions in Light-Front Constituent Quark Models. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2015, vol. 56, no. 6-9, pp. 515-521., Registrované v: WOS
51. [1.1] RINALDI, Matteo - SCOPETTA, Sergio - TRAINI, Marco - VENTO, Vicente. Double parton correlations in Light-Front constituent quark models. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. 02002., Registrované v: WOS
52. [1.1] RINALDI, Matteo - SCOPETTA, Sergio - TRAINI, Marco - VENTO, Vicente. Double Parton Scattering and 3D Proton Structure: A Light-Front Analysis. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2016, vol. 57, no. 6, pp. 431-435., Registrované v: WOS
53. [1.1] RINALDI, Matteo - SCOPETTA, Sergio - TRAINI, Marco - VENTO, Vicente. Double parton scattering: A study of the effective cross section within a Light-Front quark model. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 752, pp. 40-45., Registrované v: WOS
54. [1.1] RINALDI, Matteo - SCOPETTA, Sergio - TRAINI, Marco - VENTO, Vicente. A model calculation of double parton distribution functions of the pion. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 781., Registrované v: WOS
55. [1.1] RINALDI, Matteo. Nucleon 3D structure from double parton scattering: a Light-Front quark model analysis. In TNPI2016 XV CONFERENCE ON THEORETICAL NUCLEAR PHYSICS IN ITALY. ISSN 1742-6588, 2018, vol. 981, art. no. 012014., Registrované v: WOS
56. [1.1] SCARPA, F. - BOER, D. - ECHEVARRIA, M.G. - LANSBERG, J.P. - PISANO, C. - SCHLEGEL, M. Studies of gluon TMDs and their evolution using quarkonium-pair production at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 4 2020, vol. 80, no. 2., Registrované v: WOS
57. [1.1] SHAO, H.S. Probing impact-parameter dependent nuclear parton densities from double parton scatterings in heavy-ion collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 26 2020, vol. 101, no. 5., Registrované v: WOS
58. [1.1] SHAO, H.S. - ZHANG, Y.J. Triple Prompt J/psi Hadroproduction as a Hard Probe of Multiple-Parton Scatterings. In PHYSICAL

REVIEW LETTERS. ISSN 0031-9007, MAY 14 2019, vol. 122, no. 19.,
Registrované v: WOS

59. [1.1] SCHMIDT, I. - SIDDIKOV, M. Contribution of digluons to
charmonia production. In JOURNAL OF PHYSICS G-NUCLEAR AND
PARTICLE PHYSICS. ISSN 0954-3899, JUN 2019, vol. 46, no. 6., Registrované
v: WOS

60. [1.1] SNIGIREV, A. M. Triple parton scattering in collinear
approximation of perturbative QCD. In PHYSICAL REVIEW D. ISSN
2470-0010, 2016, vol. 94, no. 3, art. no. 034026., Registrované v: WOS

61. [1.1] SZCZUREK, Antoni. DOUBLE PARTON SCATTERING AT
HIGH ENERGIES. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2015,
vol. 46, no. 7, pp. 1415-1437., Registrované v: WOS

62. [1.1] TRAINI, Marco - RINALDI, Matteo - SCOPETTA, Sergio -
VENTO, Vicente. The effective cross section for double parton scattering within
a holographic AdS/QCD approach. In PHYSICS LETTERS B. ISSN 0370-2693,
2017, vol. 768, pp. 270-273., Registrované v: WOS

63. [1.1] TRELEANI, Daniele - CALUCCI, Giorgio - SALVINI, Simona.
Double Parton Interactions in pp and pA Collisions. In QCD@WORK 2016
INTERNATIONAL WORKSHOP ON QUANTUM CHROMODYNAMICS
THEORY AND EXPERIMENT. ISSN 2100-014X, 2016, vol. 129, art. no.
UNSP 00013., Registrované v: WOS

ADCA350 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol.
Measurement of Higgs boson production in the diphoton decay channel in pp
collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector. In
Physical Review D. Particles, fields, gravitation and cosmology, 2014, vol. 90, no.
11, art. no. 112015. (2013: 4.864 - IF, Q1 - JCR, 2.482 - SJR, Q1 - SJR, Current
Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.
Dostupné na: <https://doi.org/10.1103/PhysRevD.90.112015>

Ohlasy:

1. [1.1] AHRICHE, Amine - FAISEL, Gaber - HO, Shu-Yu - NASRI,
Salah - TANDEAN, Jusak. Effects of two inert scalar doublets on Higgs boson
interactions and the electroweak phase transition. In PHYSICAL REVIEW D.
ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 035020., Registrované v: WOS

2. [1.1] AHRICHE, Amine - MCDONALD, Kristian L. - NASRI, Salah.
Scalar sector phenomenology of three-loop radiative neutrino mass models. In
PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095020.,
Registrované v: WOS

3. [1.1] AJAIB, M. Adeel - GOGOLADZE, Ilia - SHAFI, Qaisar.
GUT-inspired supersymmetric model for $h \rightarrow \gamma \gamma$ and the muon $g-2$. In
PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. UNSP
095005., Registrované v: WOS

4. [1.1] ALAM, Sher - BEHERA, Subhasish - KUMAR, Satendra -
SAHOO, Shibananda. Constraining capability of Z γ h production at the
ILC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN
0217-751X, 2017, vol. 32, no. 2-3, art. no. 1750017., Registrované v: WOS

5. [1.1] ALGERI, S. - AALBERS, J. - MORA, K.D. - CONRAD, J.
Searching for new phenomena with profile likelihood ratio tests. In NATURE
REVIEWS PHYSICS. MAY 2020, vol. 2, no. 5, p. 245-252., Registrované v:
WOS

6. [1.1] ALTUNKAYNAK, Baris - HOU, Wei-Shu - AO, Chung - KOHDA, Masaya - MCCOY, Brent. Flavor changing heavy Higgs interactions at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 751, pp. 135-142., Registrované v: WOS
7. [1.1] ANASTASIOU, Charalampos - DUHR, Claude - DULAT, Falko - HERZOG, Franz - MISTLBERGER, Bernhard. Higgs Boson Gluon-Fusion Production in QCD at Three Loops. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 21, art. no. 212001., Registrované v: WOS
8. [1.1] ARBEY, Alexandre - CACCIAPAGLIA, Giacomo - CAI, Haiying - DEANDREA, Aldo - LE CORRE, Solene - SANNINO, Francesco. Fundamental composite electroweak dynamics: Status at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015028., Registrované v: WOS
9. [1.1] AZATOV, Aleksandr - CONTINO, Roberto - PANICO, Giuliano - SON, Minho. Effective field theory analysis of double Higgs boson production via gluon fusion. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 035001., Registrované v: WOS
10. [1.1] BERNON, Jeremy - DUMONT, Beranger. Lilith: a tool for constraining new physics from Higgs measurements. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 440., Registrované v: WOS
11. [1.1] BHATTACHARYA, S. - GHOSH, P. - SAHA, A.K. - SIL, A. Two component dark matter with inert Higgs doublet: neutrino mass, high scale validity and collider searches. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 16 2020, no. 3., Registrované v: WOS
12. [1.1] BHATTACHERJEE, Biplob - CHAKRABORTY, Amit - CHOUDHURY, Arghya. Status of the MSSM Higgs sector using global analysis and direct search bounds, and future prospects at the High Luminosity LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 093007., Registrované v: WOS
13. [1.1] BHATTACHERJEE, Biplob - CHOUDHURY, Arghya. Role of supersymmetric heavy Higgs boson production in the self-coupling measurement of 125 GeV Higgs boson at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 7, art. no. 073015., Registrované v: WOS
14. [1.1] BIAN, Ligong - LIU, Tao - SHU, Jing. Cancellations Between Two-Loop Contributions to the Electron Electric Dipole Moment with a CP-Violating Higgs Sector. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 2, art. no. 021801., Registrované v: WOS
15. [1.1] BLINOV, Nikita - KOZACZUK, Jonathan - MORRISSEY, David E. - TAMARIT, Carlos. Electroweak baryogenesis from exotic electroweak symmetry breaking. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 035012., Registrované v: WOS
16. [1.1] BONILLA, Cesar - ROMAO, Jorge C. - VALLE, Jose W. F. Neutrino mass and invisible Higgs decays at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 113015., Registrované v: WOS
17. [1.1] BORAH, Debasish - PATRA, Sudhanwa - SAHOO, Shibananda. Subdominant left-right scalar dark matter as origin of the 750 GeV di-photon excess at LHC. In INTERNATIONAL JOURNAL OF MODERN

- PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 17, art. no. 1650097.,
Registrované v: WOS
18. [1.1] BOTELLA, F. J. - BRANCO, G. C. - NEBOT, M. - REBELO, M. N. Flavour-changing Higgs couplings in a class of two Higgs doublet models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 3, art. no. 161., Registrované v: WOS
19. [1.1] BUCKLEY, Matthew R. - FELD, David. Dark matter in leptophilic Higgs models after the LHC run I. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 075024., Registrované v: WOS
20. [1.1] BUCHALLA, G. - CATA, O. - CELIS, A. - KRAUSE, C. Fitting Higgs data with nonlinear effective theory. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 233., Registrované v: WOS
21. [1.1] CAMPOS, Miguel D. - CARCAMO HERNANDEZ, A. E. - PAES, H. - SCHUMACHER, E. Higgs $\rightarrow \mu \tau$ as an indication for S-4 flavor symmetry. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 116011., Registrované v: WOS
22. [1.1] CARCAMO HERNANDEZ, A. E. - DE MEDEIROS VARZIELAS, I. - SCHUMACHER, E. Fermion and scalar phenomenology of a two-Higgs-doublet model with S-3. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 016003., Registrované v: WOS
23. [1.1] CARCAMO HERNANDEZ, A. E. - DIAZ SAEZ, Bastian - DIB, Claudio O. - ZERWEKH, Alfonso. Constraints on vector resonances from a strong Higgs sector. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 115027., Registrované v: WOS
24. [1.1] CARMONA, Adrian - GOERTZ, Florian - PAPAEFSTATHIOU, Andreas. Uncovering the relation of a scalar resonance to the Higgs boson. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095022., Registrované v: WOS
25. [1.1] CROON, Djuna - SANZ, Veronica - TARRANT, Ewan R. M. Reheating with a composite Higgs boson. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 4, art. no. 045010., Registrované v: WOS
26. [1.1] DARVISHI, N. - MASOUMINIA, M. R. A phenomenological study on the production of Higgs bosons in the cSMCS model at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 923, pp. 491-507., Registrované v: WOS
27. [1.1] DAS, Dipankar - KUNDU, Anirban. Two hidden scalars around 125 GeV and $h \rightarrow \mu \tau$. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 015009., Registrované v: WOS
28. [1.1] DAS, Moumita - DI CHIARA, Stefano - ROY, Sourov. Stability constraints in triplet extension of the MSSM. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055013., Registrované v: WOS
29. [1.1] DATTA, Amitava - GANGULY, Nabanita - KHAN, Najimuddin - RAKSHIT, Subhendu. Exploring collider signatures of the inert Higgs doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015017., Registrované v: WOS
30. [1.1] DELEPINE, D. - NOVALES-SANCHEZ, H. Interplay between neutrino magnetic moments and CP violating phases in left-right models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095016., Registrované v: WOS

31. [1.1] DEMIDOV, Sergei - SOBOLEV, Ivan. Sgoldstino physics and flavor-violating Higgs boson decays. In 19TH INTERNATIONAL SEMINAR ON HIGH ENERGY PHYSICS (QUARKS-2016). ISSN 2100-014X, 2016, vol. 125, art. no. UNSP 02017., Registrované v: WOS
32. [1.1] DONINI, A. - MARIMON, S. G. Micro-orbits in a many-brane model and deviations from Newton's $1/r(2)$ law. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 12, art. no. 696., Registrované v: WOS
33. [1.1] DORSCH, G. C. - HUBER, S. J. - MIMASU, K. - NO, J. M. Hierarchical versus degenerate 2HDM: The LHC run 1 legacy at the onset of run 2. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115033., Registrované v: WOS
34. [1.1] DOS SANTOS, G.S. - DA SILVEIRA, G.G. - MACHADO, M.V.T. The color dipole picture for prompt photon production in pp and pPb collisions at the CERN-LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 2 2020, vol. 80, no. 9., Registrované v: WOS
35. [1.1] DWIVEDI, Siddharth - GHOSH, Dilip Kumar - MUKHOPADHYAYA, Biswarup - SHIVAJI, Ambresh. Constraints on CP-violating gauge-Higgs operators. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095015., Registrované v: WOS
36. [1.1] DWIVEDI, Siddharth - MONDAL, Subhadeep - MUKHOPADHYAYA, Biswarup. Exploring anomalous $h(b)\overline{b}$ and $h(b)\overline{b}$ gamma couplings in the context of the LHC and an $e(+)e(-)$ collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015035., Registrované v: WOS
37. [1.1] ENBERG, Rikard - RATHSMAN, Johan - WOUDA, Glenn. Higgs phenomenology in the stealth doublet model. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 095002., Registrované v: WOS
38. [1.1] FALKOWSKI, Adam - GONZALEZ-ALONSO, Martin - GRELJO, Admir - MARZOCCA, David. Global Constraints on Anomalous Triple Gauge Couplings in the Effective Field Theory Approach. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 1, art. no. 011801., Registrované v: WOS
39. [1.1] FALKOWSKI, Adam. Effective field theory approach to LHC Higgs data. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2016, vol. 87, no. 3, art. no. 1650178., Registrované v: WOS
40. [1.1] FALKOWSKI, Adam. Effective field theory approach to LHC Higgs data. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2016, vol. 87, no. 3, art. no. 39., Registrované v: WOS
41. [1.1] FORTES, E. C. F. S. - MACHADO, A. C. B. - MONTANO, J. - PLEITEZ, V. Prediction of $h \rightarrow \gamma Z$ from $h \rightarrow \gamma \gamma$ at the LHC for the IMDS3 model. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 11, art. no. 115001., Registrované v: WOS
42. [1.1] GOHARIPOUR, Muhammad - MEHRABAN, Hossein. Predictions for the Isolated Prompt Photon Production at the LHC at $\sqrt{s}=13\text{TeV}$. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, art. no. 3802381., Registrované v: WOS
43. [1.1] HAMMAD, A. - KHALIL, S. - MORETTI, S. Higgs boson decays into $\gamma \gamma$ and $Z \gamma$ in the MSSM and the B-L

- supersymmetric SM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 095008., Registrované v: WOS
44. [1.1] HAMMAD, A. - KHALIL, S. - MORETTI, S. LHC signals of a B L supersymmetric standard model CP-even Higgs boson. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115035., Registrované v: WOS
45. [1.1] HAN, Zhi-Long - DING, Ran - LIAO, Yi. LHC phenomenology of the type II seesaw mechanism: Nondegenerate case. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 093006., Registrované v: WOS
46. [1.1] CHAKRABARTY, Nabarun - GHOSH, Dilip Kumar - MUKHOPADHYAYA, Biswarup - SAHA, Ipsita. Dark matter, neutrino masses, and high scale validity of an inert Higgs doublet model. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 015002., Registrované v: WOS
47. [1.1] CHAKRABARTY, Nabarun. High-scale validity of a model with three Higgs doublets. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 75025., Registrované v: WOS
48. [1.1] CHAKRABARTY, Nabarun - MUKHOPADHYAYA, Biswarup. High-scale validity of a two-Higgs-doublet scenario: metastability included. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 3, art. no. 153., Registrované v: WOS
49. [1.1] CHAKRABARTY, Indrani - MUKHOPADHYAYA, Biswarup - MONDAL, Subhadeep. Lepton flavor violating Higgs boson decay at $e(+)e(-)$ colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 115020., Registrované v: WOS
50. [1.1] CHANG, Sanghyeon - KANG, Sin Kyu - LEE, Jong-Phil - SONG, Jeonghyeon. Higgs potential and hidden light Higgs scenario in two Higgs doublet models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 075023., Registrované v: WOS
51. [1.1] CHAN, Chen-Hsun - CHEUNG, Kingman - CHUNG, Yi-Lun - HSU, Pai-Hsien. Vector boson fusion versus gluon fusion. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 096009., Registrované v: WOS
52. [1.1] CHIANG, Cheng-Wei - SENAHA, Eibun. Electroweak interacting dark matter with a singlet scalar portal. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 750, pp. 147-153., Registrované v: WOS
53. [1.1] INOUE, Satoru - OVANESYAN, Grigory - RAMSEY-MUSOLF, Michael J. Two-step electroweak baryogenesis. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 015013., Registrované v: WOS
54. [1.1] JAECKEL, Joerg - SPANNOVSKY, Michael. Probing MeV to 90 GeV axion-like particles with LEP and LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 753, pp. 482-487., Registrované v: WOS
55. [1.1] JIA, Lian-Bao. Interpretation of the gamma-ray excess and AMS-02 antiprotons: Velocity dependent dark matter annihilations. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 055009., Registrované v: WOS
56. [1.1] KAINULAINEN, Kimmo - TUOMINEN, Kimmo - VASKONEN, Ville. Self-interacting dark matter and cosmology of a light scalar mediator. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 015016., Registrované v: WOS

57. [1.1] KANEMURA, Shinya - NISHIWAKI, Kenji - OKADA, Hiroshi - ORIKASA, Yuta - PARK, Seong Chan - WATANABE, Ryoutaro. LHC 750 GeV diphoton excess in a radiative seesaw model. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2016, no. 12, art. no. 123B04., Registrované v: WOS
58. [1.1] KANG, Sin Kyu - SONG, Jeonghyeon. Top-phobic heavy Higgs boson as the 750 GeV diphoton resonance. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115012., Registrované v: WOS
59. [1.1] KEPHART, Thomas W. - YUAN, Tzu-Chiang. Origins of inert Higgs doublets. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 906, pp. 549-560., Registrované v: WOS
60. [1.1] KHALIL, S. - MORETTI, S. The B L supersymmetric standard model with inverse seesaw at the large hadron collider. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2017, vol. 80, no. 3, art. no. 036201., Registrované v: WOS
61. [1.1] KHAN, Najimuddin - RAKSHIT, Subhendu. Constraints on inert dark matter from the metastability of the electroweak vacuum. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 055006., Registrované v: WOS
62. [1.1] KUMAR, Satendra - POULOSE, P. - SAHOO, Shibananda. Study of Higgs-gauge boson anomalous couplings through $e(-)e(+)\rightarrow W(-)W(+)\gamma$ at the ILC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 7, art. no. 073016., Registrované v: WOS
63. [1.1] LAMI, A. - PORTOLES, J. - ROIG, P. Lepton flavor violation in hadronic decays of the tau lepton in the simplest little Higgs model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 076008., Registrované v: WOS
64. [1.1] MOTT, Alex - JOB, Joshua - VLIMANT, Jean-Roch - LIDAR, Daniel - SPIROPULU, Maria. Solving a Higgs optimization problem with quantum annealing for machine learning. In NATURE. ISSN 0028-0836, 2017, vol. 550, no. 7676, pp. 375-+, Registrované v: WOS
65. [1.1] NISHIWAKI, Kenji - OKADA, Hiroshi - ORIKASA, Yuta. Three loop neutrino model with isolated $k(+/-+/-)$. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 093013., Registrované v: WOS
66. [1.1] OSLAND, P. - PANKOV, A. A. - TSYTRINOV, A. V. The Higgs-like boson spin from the center-edge asymmetry in the diphoton channel at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 199., Registrované v: WOS
67. [1.1] PEREZ, Gilad - SOREQ, Yotam - STAMOU, Emmanuel - TOBIOKA, Kohsaku. Constraining the charm Yukawa and Higgs-quark coupling universality. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 033016., Registrované v: WOS
68. [1.1] PEREZ, Gilad - SOREQ, Yotam - STAMOU, Emmanuel - TOBIOKA, Kohsaku. Prospects for measuring the Higgs boson coupling to light quarks. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1., Registrované v: WOS
69. [1.1] SAPETA, Sebastian. QCD and jets at hadron colliders. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 89, pp. 1-55., Registrované v: WOS
70. [1.1] SETO, Osamu. Large invisible decay of a Higgs boson to

neutrinos. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 073005., Registrované v: WOS

71. [1.1] SOFFI, Livia. Search for new exotic particles decaying to photons with the CMS experiment at the LHC. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2016, vol. 131, no. 8, art. no. 283., Registrované v: WOS

72. [1.1] SUN, Peng - YUAN, C.P. - YUAN, Feng. Kinematical Correlations for Higgs Boson Plus High P-T Jet Production at Hadron Colliders. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 20, art. no. 202001., Registrované v: WOS

73. [1.1] VON DER PAHLEN, Federico - PALACIO, Guillermo - RESTREPO, Diego - ZAPATA, Oscar. Radiative type III seesaw model and its collider phenomenology. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 033005., Registrované v: WOS

74. [1.1] YANG, Bingfang - LIU, Zhiyong - HAN, Jinzhong - YANG, Guang. Single Top and Higgs Associated Production in the Minimal B-L Model at the LHC. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 2613187., Registrované v: WOS

ADCA351 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Measurement of charged jet production cross sections and nuclear modification in p-Pb collisions at $\sqrt{s(NN)}=5.02$ TeV. In *Physics Letters B*, 2015, vol. 749, p. 68-81. (2014: 6.131 - IF, Q1 - JCR, 3.562 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2015.07.054>

Ohlasy:

1. [1.1] BLOK, Boris - JAKEL, Christian D. - STRIKMAN, Marj - WIEDEMANN, Urs Achim. Collectivity from interference. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 12, art. no. 074., Registrované v: WOS

2. [1.1] KANG, Zhong-Bo - VITEV, Ivan - XING, Hongxi. Effects of cold nuclear matter energy loss on inclusive jet production in p plus A collisions at energies available at the BNL Relativistic Heavy Ion Collider and the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 5, art. no. 054911., Registrované v: WOS

3. [1.1] KHALEK, Rabah Abdul - ETHIER, Jacob J. - ROJO, Juan. Nuclear parton distributions from lepton-nucleus scattering and the impact of an electron-ion collider. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 6., Registrované v: WOS

4. [1.1] KHALEK, R.A. - ETHIER, J.J. - ROJO, J. - VAN WEELDEN, G. nNNPDF2.0: quark flavor separation in nuclei from LHC data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 28 2020, no. 9., Registrované v: WOS

5. [1.1] KHANPOUR, Hamzeh - TEHRANI, S. Atashbar. Global analysis of nuclear parton distribution functions and their uncertainties at next-to-next-to-leading order. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 014026., Registrované v: WOS

6. [1.1] KLASSEN, Micheal - KLEIN-BOESING, Christian -

POPPENBORG, Hendrik. Prompt photon production and photon-jet correlations at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 081., Registrované v: WOS

7. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS

8. [1.1] OVANESYAN, Grigory - RINGER, Felix - VITEV, Ivan. Initial-state splitting kernels in cold nuclear matter. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 760, pp. 706-712., Registrované v: WOS

9. [1.1] ZAPP, Korinna Christina - MILHANO, Guilherme - WIEDEMANN, Urs Achim. The sensitivity of R-pA to colour recombination effects. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 609-612., Registrované v: WOS

ADCA352 ABELEV, Betty - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Measurement of charged jet suppression in Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV. In *Journal of High Energy Physics*, 2014, vol. 2014, no. 3, art. no. 013. (2013: 6.220 - IF, Q1 - JCR, 1.173 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP03\(2014\)013](https://doi.org/10.1007/JHEP03(2014)013)

Ohlasy:

1. [1.1] ANDERLE, Daniele P. - KAUFMANN, Tom - STRATMANN, Marco - RINGER, Felix - VITEV, Ivan. Using hadron-in-jet data in a global analysis of D^* fragmentation functions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 034028., Registrované v: WOS

2. [1.1] BASKAKOV, A. V. - BOOS, E. E. - DUDKO, L. V. - LOKHTIN, I. P. - SNIGIREV, A. M. Single top quark production in heavy ion collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 4, art. no. 044901., Registrované v: WOS

3. [1.1] ESKOLA, K.J. - HELENIUS, I. - KUHA, M. - PAUKKUNEN, H. Shadowing in Inelastic Nucleon-Nucleon Cross Section?. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, NOV 18 2020, vol. 125, no. 21., Registrované v: WOS

4. [1.1] CHANG, Ning-Bo - CAO, Shanshan - QIN, Guang-You. Probing medium-induced jet splitting and energy loss in heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 781, pp. 423-432., Registrované v: WOS

5. [1.1] CHANG, Ning-Bo - QIN, Guang-You. Full jet evolution in quark-gluon plasma and nuclear modification of jet production and jet shape in Pb plus Pb collisions at 2.76A TeV at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024902., Registrované v: WOS

6. [1.1] CHANG, Ning-Bo - QIN, Guang-You. Full jet evolution in quark-gluon plasma and nuclear modification of jet structure in Pb plus Pb collisions at 2.76A TeV. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 145-148., Registrované v: WOS

7. [1.1] CHEN, Yi. Jet Substructure through Splitting Functions And Mass in pp and PbPb collisions at 5.02 TeV with CMS. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 512-515., Registrované v: WOS
8. [1.1] JUNG, Kurt. Jet Spectra in pp, pA, and AA Collisions. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 36-41., Registrované v: WOS
9. [1.1] LI, H.T. - VITEV, I. Inverting the mass hierarchy of jet quenching effects with prompt b-jet substructure. In PHYSICS LETTERS B. ISSN 0370-2693, JUN 10 2019, vol. 793, p. 259-264., Registrované v: WOS
10. [1.1] MEHTAR-TANI, Yacine - TYWONIUK, Konrad. Radiative energy loss of neighboring subjects. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 979, pp. 165-203., Registrované v: WOS
11. [1.1] MEHTAR-TANI, Yacine - TYWONIUK, Konrad. Sudakov suppression of jets in QCD media. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 051501., Registrované v: WOS
12. [1.1] MIODUSZEWSKI, S. The quest to understand QCD matter using heavy nuclei in collisions. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 10, art. no. 108014., Registrované v: WOS
13. [1.1] QIN, Guang-You. Modification of jet rate, shape and structure: model and phenomenology. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 47-52., Registrované v: WOS
14. [1.1] SIEVERT, Matthew D. - VITEV, Ivan. Quark branching in QCD matter to any order in opacity beyond the soft gluon emission limit. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 094010., Registrované v: WOS
15. [1.1] TACHIBANA, Yasuki - CHANG, Ning-Bo - QIN, Guang-You. Flow excited by full jet shower in QGP fluid and its effect on jet shape. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 141-144., Registrované v: WOS
16. [1.1] TACHIBANA, Yasuki - CHANG, Ning-Bo - QIN, Guang-You. Full jet in quark-gluon plasma with hydrodynamic medium response. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 4, art. no. 044909., Registrované v: WOS

ADCA353 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Measurement of charged-particle distributions sensitive to the underlying event in $\sqrt{s}=13$ TeV proton-proton collisions with the ATLAS detector at the LHC. In *Journal of High Energy Physics*, 2017, no. 3, art. no. 157. (2016: 6.063 - IF, Q1 - JCR, 1.163 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na:
[https://doi.org/10.1007/JHEP03\(2017\)157](https://doi.org/10.1007/JHEP03(2017)157)

Ohlasy:

1. [1.1] BELLM, J. - GIESEKE, S. - KIRCHGAESSER, P. Improving the description of multiple interactions in Herwig. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 25 2020, vol. 80, no. 5., Registrované v: WOS
2. [1.1] MEHDIABADI, S.P. - FAHIM, A. Explicit jet veto as a tool to purify the underlying event in the Drell-Yan process using CMS Open Data. In

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, SEP 2019, vol. 46, no. 9., Registrované v: WOS

3. [1.1] ORTIZ, Antonio - VALENCIA PALOMO, Lizardo.

Universality of the underlying event in pp collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 114019., Registrované v: WOS

4. [1.1] ORTIZ, A. - PALOMO, L.V. Probing color reconnection with underlying event observables at the LHC energies. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 28 2019, vol. 99, no. 3., Registrované v: WOS

5. [1.1] PALNI, P. - KHUNTIA, A. - BARTALINI, P. Evolution of strange and multi-strange hadron production with relative transverse multiplicity activity in underlying event. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 6 2020, vol. 80, no. 10., Registrované v: WOS

ADCA354 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of charged-particle event shape variables in inclusive $\sqrt{s}=7$ TeV proton-proton interactions with the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2013, vol. 88, no. 3, art. no. 032004. (2012: 4.691 - IF, Q1 - JCR, 2.725 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.88.032004>

Ohlasy:

1. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS

2. [1.1] BECHER, Thomas - GARCIA I TORMO, Xavier - PICLUM, Jan. Next-to-next-to-leading logarithmic resummation for transverse thrust. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 054038., Registrované v: WOS

3. [1.1] HAN, Chengcheng - PARK, Myeonghun. Revealing the jet substructure in a compressed spectrum of new physics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 011502., Registrované v: WOS

4. [1.1] KHATUN, A. - THAKUR, D. - DEB, S. - SAHOO, R. J/psi production dynamics: event shape, multiplicity and rapidity dependence in proton plus proton collisions at LHC energies using PYTHIA8. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, MAY 2020, vol. 47, no. 5., Registrované v: WOS

5. [1.1] KUNDU, S.K. - SARKAR, T. - MAITY, M. Optimizing the parton shower model in PYTHIA with pp collision data at $\sqrt{s}=13$ TeV. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, NOV 30 2019, vol. 34, no. 33., Registrované v: WOS

6. [1.1] ORTIZ, Antonio - CUAUTLE, Eleazar - PAIC, Guy. Mid-rapidity charged hadron transverse sphericity in pp collisions simulated with Pythia. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 941, pp. 78-86., Registrované v: WOS

ADCA355 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of charged-particle spectra in Pb plus Pb

collisions at $\sqrt{s(NN)}=2.76$ TeV with the ATLAS detector at the LHC. In *Journal of High Energy Physics*, 2015, vol. 2015, no. 9, art. no. 050. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na:
[https://doi.org/10.1007/JHEP09\(2015\)050](https://doi.org/10.1007/JHEP09(2015)050)

Ohlasy:

1. [1.1] APOLINARIO, L. - BARATA, J. - MILHANO, G. On the breaking of Casimir scaling in jet quenching. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 29 2020, vol. 80, no. 6., Registrované v: WOS
2. [1.1] BARATA, J. - MEHTAR-TANI, Y. Improved opacity expansion at NNLO for medium induced gluon radiation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 27 2020, no. 10., Registrované v: WOS
3. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
4. [1.1] BATY, Austin A. Charged particle nuclear modification factor in PbPb at 5.02 TeV with CMS. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 421-424., Registrované v: WOS
5. [1.1] BIERLICH, Christian - GUSTAFSON, Gosta - LONNBLAD, Leif - SHAH, Harsh. The Angantyr model for heavy-ion collisions in Pythia8. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 134., Registrované v: WOS
6. [1.1] CASALDERREY-SOLANA, J. - HULCHER, Z. - MILHANO, G. - PABLOS, D. - RAJAGOPAL, K. Simultaneous description of hadron and jet suppression in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 22 2019, vol. 99, no. 5., Registrované v: WOS
7. [1.1] DJORDJEVIC, Magdalena. Complex suppression patterns distinguish between major energy loss effects in Quark-Gluon Plasma. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 763, pp. 439-444., Registrované v: WOS
8. [1.1] ESKOLA, K.J. - HELENIUS, I. - KUHA, M. - PAUKKUNEN, H. Shadowing in Inelastic Nucleon-Nucleon Cross Section?. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, NOV 18 2020, vol. 125, no. 21., Registrované v: WOS
9. [1.1] CHIEN, Yang-Ting - EMERMAN, Alexander - KANG, Zhong-Bo - OVANESYAN, Grigory - VITEV, Ivan. Jet quenching from QCD evolution. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 074030., Registrované v: WOS
10. [1.1] KOLBE, Isobel - HOROWITZ, William A. Is pQCD energy loss in trouble? In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 848-851., Registrované v: WOS
11. [1.1] KOLBE, Isobel - HOROWITZ, W. A. A pQCD sized problem in small systems. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC. ISSN 1742-6588, 2017, vol. 878, art. no. UNSP 012025., Registrované v: WOS
12. [1.1] KOLBE, Isobel - HOROWITZ, W. A. A generalization to all

- system sizes of DGLV energy loss in the quark-gluon plasma. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP 2017. ISSN 1742-6588, 2017, vol. 889, art. no. UNSP 012008., Registrované v: WOS
13. [1.1] KOLBE, Isobel - HOROWITZ, W. A. Short path length pQCD corrections to energy loss in the quark gluon plasma. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP 2016. ISSN 1742-6588, 2017, vol. 802, art. no. UNSP 012006., Registrované v: WOS
14. [1.1] KOLBE, I. - HOROWITZ, W.A. Short-path-length corrections to Djordjevic-Gyulassy-Levai-Vitev energy loss. In PHYSICAL REVIEW C. ISSN 2469-9985, AUG 26 2019, vol. 100, no. 2., Registrované v: WOS
15. [1.1] MEHTAR-TANI, Yacine - TYWONIUK, Konrad. Radiative energy loss of neighboring subjects. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 979, pp. 165-203., Registrované v: WOS
16. [1.1] ORTIZ, Antonio - VAZQUEZ, Omar. Energy density and path-length dependence of the fractional momentum loss in heavy-ion collisions at root S (N N) from 62.4 to 5020 GeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 1, art. no. 014910., Registrované v: WOS
17. [1.1] PETROVICI, M. - POP, A. - ANDREI, C. - BERCEANU, I. - BERCUCI, A. - HERGHELEGIU, A. - TARZILA, M. From pp To AA Ultra-Relativistic Collisions. In EXOTIC NUCLEI AND NUCLEAR/PARTICLE ASTROPHYSICS (VI): PHYSICS WITH SMALL ACCELERATORS. ISSN 0094-243X, 2017, vol. 1852, art. no. UNSP 050003-1., Registrované v: WOS
18. [1.1] RASANEN, Sami S. ALICE overview. In 4TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2016, vol. 126, art. no. UNSP 02026., Registrované v: WOS
19. [1.1] SHI, S.Z. - LIAO, J.F. - GYULASSY, M. Global constraints from RHIC and LHC on transport properties of QCD fluids in CUJET/CIBJET framework. In CHINESE PHYSICS C. ISSN 1674-1137, APR 2019, vol. 43, no. 4., Registrované v: WOS

ADCA356 AARON, F.D. - BRUNCKO, Dušan - FERENCEI, Jozef. Measurement of charm and beauty jets in deep inelastic scattering at HERA. In *European Physical Journal C*, 2011, vol. 71, no. 1, art. no. 1509. (2010: 3.248 - IF, Q2 - JCR, 2.215 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-010-1509-x>

Ohlasy:

1. [1.1] BEHNKE, O. - GEISER, A. - LISOVYI, M. Charm, beauty and top at HERA. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2015, vol. 84, pp. 1-72., Registrované v: WOS

ADCA357 ADAM, J. - ADAMOVIĆ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VAĽA, Martin. Measurement of charm and beauty production at central rapidity versus charged-particle multiplicity in proton-proton collisions at root s=7 TeV. In *Journal of High Energy Physics*, 2015, no. 9, art. no. 148. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP09\(2015\)148](https://doi.org/10.1007/JHEP09(2015)148)

Ohlasy:

1. [1.1] FEDERICOVA, Pavla. J/Psi production at the STAR experiment. In XXIII INTERNATIONAL BALDIN SEMINAR ON HIGH ENERGY PHYSICS PROBLEMS RELATIVISTIC NUCLEAR PHYSICS AND QUANTUM CHROMODYNAMICS (BALDIN ISHEPP XXIII). ISSN 2100-014X, 2017, vol. 138, art. no. 01017., Registrované v: WOS
2. [1.1] MA, Yan-Qing - TRIBEDY, Prithwish - VENUGOPALAN, Raju - WATANABE, Kazuhiro. Event engineering studies for heavy flavor production and hadronization in high multiplicity hadron-hadron and hadron-nucleus collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 074025., Registrované v: WOS
3. [1.1] SCHMIDT, I. - SIDDIKOV, M. Production mechanisms of open-heavy flavor mesons. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 20 2020, vol. 101, no. 9., Registrované v: WOS
4. [1.1] SIDDIKOV, M. - SCHMIDT, I. Single diffractive production of open heavy flavor mesons. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 28 2020, vol. 102, no. 7., Registrované v: WOS
5. [1.1] YE, Zhenyu. Heavy-Flavor Production at RHIC with STAR. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. 012004., Registrované v: WOS
6. [1.1] YU, Gong-Ming - CAI, Yan-Bing - BAI, Zhen - HU, Qiang. Centrality Dependence of Charmed-Meson Photoproduction in Ultrarelativistic Heavy Ion Collisions. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2019, vol. 71, no. 5, pp. 563-567., Registrované v: WOS

ADCA358 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - PASTIRČÁK, Blahoslav - ŠÁNDOR, Ladislav - VALA, Martin. Measurement of charm production at central rapidity in proton-proton collisions at square $s = 2.76$ TeV. In *Journal of High Energy Physics*, 2012, vol. 2012, no. 7, art. no. 191. (2011: 5.831 - IF, 1.902 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP07\(2012\)191](https://doi.org/10.1007/JHEP07(2012)191)

Ohlasy:

1. [1.1] ANDERLE, Daniele P. - KAUFMANN, Tom - STRATMANN, Marco - RINGER, Felix - VITEV, Ivan. Using hadron-in-jet data in a global analysis of D^* fragmentation functions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 034028., Registrované v: WOS
2. [1.1] ARGUELLES, Carlos A. - HALZEN, Francis - WILLE, Logan - KROLL, Mike - RENO, Mary Hall. High-energy behavior of photon, neutrino, and proton cross sections. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 074040., Registrované v: WOS
3. [1.1] CARVALHO, F. - CAZAROTO, E. R. - GONCALVES, V. P. - NAVARRA, F. S. Tetraquark production in double parton scattering. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 034004., Registrované v: WOS
4. [1.1] KARPISHKOV, A. V. - NEFEDOV, M. A. - SALEEV, V. A. - SHIPILOVA, A. V. Open charm production in the parton Reggeization approach: Tevatron and the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 054009., Registrované v: WOS

5. [1.1] LIU, Yunpeng - KO, Che Ming. Thermal production of charm quarks in heavy ion collisions at the Future Circular Collider. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 12, art. no. 125108., Registrované v: WOS
6. [1.1] SONG, Taesoo - AICHELIN, Joerg - BRATKOVSKAYA, Elena. Production of primordial J / psi in relativistic p plus p and heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 1, art. no. 014907., Registrované v: WOS
7. [1.1] SONG, Taesoo - BERREHRAH, Hamza - CABRERA, Daniel - CASSING, Wolfgang - BRATKOVSKAYA, Elena. Charm production in Pb plus Pb collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 3, art. no. 034906., Registrované v: WOS
8. [1.1] SONG, Taesoo - BERREHRAH, Hamza - TORRES-RINCON, Juan M. - TOLOS, Laura - CABRERA, Daniel - CASSING, Wolfgang - BRATKOVSKAYA, Elena. Single electrons from heavy-flavor mesons in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 1, art. no. 014905., Registrované v: WOS
9. [1.1] SRIVASTAVA, Dinesh K. - CHATTERJEE, Rupa - BASS, Steffen A. Transport dynamics of parton interactions in pp collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 6, art. no. 064910., Registrované v: WOS
10. [1.1] ZENAIEV, O. Charm production and QCD analysis at HERA and LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 3, art. no. 151., Registrované v: WOS
11. [1.1] ZHAO, J.X. - SHI, S.Z. - ZHUANG, P.F. Fully-heavy tetraquarks in a strongly interacting medium. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 1 2020, vol. 102, no. 11., Registrované v: WOS

ADCA359 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - PASTIRČÁK, Blahoslav - ŠÁNDOR, Ladislav - VALA, Martin. Measurement of charm production at central rapidity in proton-proton collisions at $\sqrt{s}=7$ TeV. In *Journal of High Energy Physics*, 2012, vol. 2012, no. 1, art. no. 128. (2011: 5.831 - IF, 1.902 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP01\(2012\)128](https://doi.org/10.1007/JHEP01(2012)128)

Ohlasy:

1. [1.1] AJAZ, M. - KHAN, I. - SULEYMANOV, M.K. Production cross-section of heavy flavored hadrons in pp collision at $\sqrt{s}=7$ TeV. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, JUN 21 2019, vol. 34, no. 19., Registrované v: WOS
2. [1.1] ANDERLE, Daniele P. - KAUFMANN, Tom - STRATMANN, Marco - RINGER, Felix - VITEV, Ivan. Using hadron-in-jet data in a global analysis of D* fragmentation functions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 034028., Registrované v: WOS
3. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
4. [1.1] BORISOV, A.S. - DENISOVA, V.G. - GALKIN, V.I. -

- GUSEVA, Z.M. - KANEVSKAYA, E.A. - KOGAN, M.G. - MUKHAMEDSHIN, R.A. - NAZAROV, S.I. - PUCHKOV, V.S. - SADYKOV, T. On the Dominant Role of Charm Production in the Forward Kinematic Region According to Cosmic-Ray Experiments. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, NOV 2019, vol. 82, no. 6, p. 827-833., Registrované v: WOS
5. [1.1] DONG, Xin. Heavy Flavor Production, Energy Loss and Flow-Experimental Overview. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 192-199., Registrované v: WOS
6. [1.1] FEDYNITCH, A. - RIEHN, F. - ENGEL, R. - GAISSER, T.K. - STANEV, T. Hadronic interaction model SIBYLL 2.3c and inclusive lepton fluxes. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 21 2019, vol. 100, no. 10., Registrované v: WOS
7. [1.1] KARPISHKOV, A. V. - NEFEDOV, M. A. - SALEEV, V. A. - SHIPILOVA, A. V. Open charm production in the parton Reggeization approach: Tevatron and the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 054009., Registrované v: WOS
8. [1.1] MACIULA, Rafal - SZCZUREK, Antoni. Charm quark and meson production in association with single-jet at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 114037., Registrované v: WOS
9. [1.1] MUKHAMEDSHIN, R.A. FANSY 2.0: A Monte Carlo tool for study of superhigh-energy cosmic-ray interactions Proton-proton interactions. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, NOV 2019, vol. 134, no. 11., Registrované v: WOS
10. [1.1] RAJPUT, Sonia. Measurement of Azimuthal Correlations Between D Mesons and Any Charged Particle in pp Collisions at $\sqrt{s}=7$ TeV with ALICE. In XXII DAE HIGH ENERGY PHYSICS SYMPOSIUM. ISSN 0930-8989, 2018, vol. 203, pp. 451-454., Registrované v: WOS
11. [1.1] SRIVASTAVA, Dinesh K. - CHATTERJEE, Rupa - BASS, Steffen A. Landau-Pomeranchuk-Midgal effect and charm production in pp collisions at energies available at the CERN Large Hadron Collider using the parton cascade model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 5, art. no. 054910., Registrované v: WOS
12. [1.1] SRIVASTAVA, Dinesh K. - CHATTERJEE, Rupa - BASS, Steffen A. Transport dynamics of parton interactions in pp collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 6, art. no. 064910., Registrované v: WOS
13. [1.1] SUN, Jian. Open Heavy Flavor Measurements in Heavy Ion Collisions with CMS. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 481-484., Registrované v: WOS
14. [1.1] TANG, Z.B. - ZHA, W.M. - ZHANG, Y.F. An experimental review of open heavy flavor and quarkonium production at RHIC. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, AUG 4 2020, vol. 31, no. 8., Registrované v: WOS
15. [1.1] WANG, Jing. D meson nuclear modification factor in PbPb at 5.02 TeV with CMS. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 249-252., Registrované v: WOS
16. [1.1] XIE, Guannan. Measurement of D-0 Meson Production and Azimuthal Anisotropy in Au plus Au Collisions at $\sqrt{s_{NN}}=200$ GeV. In

NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 209-212., Registrované v: WOS

17. [1.1] XIE, Guannan. Nuclear Modification Factor of D-0 Meson in Au plus Au Collisions at $\sqrt{s_{NN}}=200$ GeV. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 473-476., Registrované v: WOS

18. [1.1] ZENAIEV, O. Charm production and QCD analysis at HERA and LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 3, art. no. 151., Registrované v: WOS

ADCA360 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of $\chi(c1)$ and $\chi(c2)$ production with $\sqrt{s}=7$ TeV pp collisions at ATLAS. In *Journal of High Energy Physics*, 2014, no. 7, art. no. 154. (2013: 6.220 - IF, Q1 - JCR, 1.173 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP07\(2014\)154](https://doi.org/10.1007/JHEP07(2014)154)

Ohlasy:

1. [1.1] CISEK, Anna - SCHAEFER, Wolfgang - SZCZUREK, Antoni. Production of $\chi(c)$ pairs with large rapidity separation in $k(T)$ factorization. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 114018., Registrované v: WOS

2. [1.1] CISEK, Anna - SZCZUREK, Antoni. Prompt inclusive production of J/ψ , ψ' and $\chi(c)$ mesons at the LHC in forward directions within the NRQCD $k(t)$ -factorization approach: Search for the onset of gluon saturation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 034035., Registrované v: WOS

3. [1.1] FACCIOLI, Pietro - LOURENCO, Carlos. The fate of quarkonia in heavy-ion collisions at LHC energies: a unified description of the sequential suppression patterns. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 731., Registrované v: WOS

4. [1.1] HE, Z.G. - KNIEHL, B.A. - NEFEDOV, M.A. - SALEEV, V.A. Double Prompt J/ψ Hadroproduction in the Parton Reggeization Approach with High-Energy Resummation. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, OCT 17 2019, vol. 123, no. 16., Registrované v: WOS

5. [1.1] HU, Z. - LIU, T. - LEONARDO, N. T. - HAYTMYRADOV, M. Review of bottomonium measurements from CMS. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 19-20, art. no. 1730015., Registrované v: WOS

6. [1.1] CHEUNG, Vincent - VOGT, Ramona. Production and polarization of prompt J/ψ in the improved color evaporation model using the $k(T)$ -factorization approach. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 114029., Registrované v: WOS

7. [1.1] KARPISHKOV, A.V. - NEFEDOV, M.A. - SALEEV, V.A. Spectra and polarizations of prompt J/ψ at the NICA within collinear parton model and parton Reggeization approach. In XVIII WORKSHOP ON HIGH ENERGY SPIN PHYSICS, DSPIN-2019. ISSN 1742-6588, 2020, vol. 1435., Registrované v: WOS

8. [1.1] KOPP, F. - DUCATI, M.B.G. - MACHADO, M.V.T. Central exclusive $\chi(c,b)$ production at high energy colliders and gluon saturation approach. In PHYSICS LETTERS B. ISSN 0370-2693, JUL 10 2020, vol. 806., Registrované v: WOS

9. [1.1] KUMAR, Vineet - SHUKLA, Prashant. Charmonia production in p plus p collisions under NRQCD formalism. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 8, art. no. 085003., Registrované v: WOS

ADCA361 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of inclusive and differential cross sections in the $H - ZZ^* - 4l$ decay channel in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2017, no. 10, art. no. 132. (2016: 6.063 - IF, Q1 - JCR, 1.163 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP10\(2017\)132](https://doi.org/10.1007/JHEP10(2017)132)

Ohlasy:

1. [1.1] BECHER, T. - HAGER, M. Event-based transverse momentum resummation. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 8 2019, vol. 79, no. 8., Registrované v: WOS

2. [1.1] BONVINI, Marco - MARZANI, Simone. Double Resummation for Higgs Production. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 20, art. no. 202003., Registrované v: WOS

3. [1.1] GRAZZINI, Massimiliano - ILNICKA, Agnieszka - SPIRA, Michael. Higgs boson production at large transverse momentum within the SMEFT: analytical results. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 10, art. no. 808., Registrované v: WOS

4. [1.1] ISLAM, R. - KUMAR, M. - RAWOOT, V. kT-factorization approach to the Higgs boson production in $Z \rightarrow 4$ channel at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 28 2019, vol. 79, no. 3., Registrované v: WOS

5. [1.1] LEWANDOWSKI, Adrian - MEISSNER, Krzysztof A. - NICOLAI, Hermann. Conformal standard model, leptogenesis, and dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 035024., Registrované v: WOS

6. [1.1] TORASSA, Ezio. The Standard Model and Higgs physics. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 69-106., Registrované v: WOS

ADCA362 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCZI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of inclusive jet and dijet cross sections in proton-proton collisions at 7 TeV centre-of-mass energy with the ATLAS detector. In *European Physical Journal C*, 2011, vol. 71, no. 2, art. no. 1512. (2010: 3.248 - IF, Q2 - JCR, 2.215 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-010-1512-2>

Ohlasy:

1. [1.1] ALEEDANESHVAR, A. - KHORRAMIAN, A. The impact of CMS inclusive jet data on parton distribution functions and their uncertainties. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 22, art. no. 1750134., Registrované v: WOS

2. [1.1] ALEEDANESHVAR, A. - KHORRAMIAN, A. The impact of the LHCb $B \rightarrow \tau \nu$ production cross-section on parton distribution functions and determining the mass of heavy quarks. In NUCLEAR PHYSICS A. ISSN

0375-9474, 2018, vol. 979, pp. 215-236., Registrované v: WOS

3. [1.1] BRITZGER, D. - RABBERTZ, K. - SAVOIU, D. - SIEBER, G. - WOBISCH, M. Determination of the strong coupling constant using inclusive jet cross section data from multiple experiments. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 28 2019, vol. 79, no. 1., Registrované v: WOS

4. [1.1] CARRAZZA, Stefano. MODELING NNLO JET CORRECTIONS WITH NEURAL NETWORKS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 6, pp. 947-954., Registrované v: WOS

5. [1.1] CURRIE, James - GEHRMANN-DE RIDDER, Aude - GEHRMANN, Thomas - GLOVER, Nigel - HUSS, Alexander - PIRES, Joao. Infrared sensitivity of single jet inclusive production at hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 155., Registrované v: WOS

6. [1.1] CURRIE, James - GLOVER, E. W. N. - GEHRMANN, Thomas - GEHRMANN-DE RIDDER, Aude - HUSS, Alexander - PIRES, Joao. SINGLE JET INCLUSIVE PRODUCTION FOR THE INDIVIDUAL JET $p(T)$ SCALE CHOICE AT THE LHC. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 6, pp. 955-967., Registrované v: WOS

7. [1.1] ELVIRA, V. Daniel. Impact of detector simulation in particle physics collider experiments. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2017, vol. 695, pp. 1-54., Registrované v: WOS

8. [1.1] GAO, Jun - HARLAND-LANG, Lucian - ROJO, Juan. The structure of the proton in the LHC precision era. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2018, vol. 742, pp. 1-121., Registrované v: WOS

9. [1.1] NIK, R. Aminzadeh - MODARRES, M. - MASOUMINIA, M. R. Study of inclusive single-jet production in the framework of $k(t)$ -factorization unintegrated parton distributions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 096012., Registrované v: WOS

10. [1.1] RABBERTZ, Klaus. Absolute Cross Sections. In JET PHYSICS AT THE LHC: THE STRONG FORCE BEYOND THE TEV SCALE. ISSN 0081-3869, 2017, vol. 268, pp. 111-144., Registrované v: WOS

11. [1.1] SAPETA, Sebastian. QCD and jets at hadron colliders. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 89, pp. 1-55., Registrované v: WOS

12. [1.1] SZCZUREK, Antoni - CISEK, Anna - MACIULA, Rafal. Double parton effects for jets with large rapidity separation. In DIFFRACTION 2014: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2015, vol. 1654, art. no. UNSP 070009., Registrované v: WOS

13. [1.1] SZCZUREK, Antoni. DOUBLE PARTON SCATTERING AT HIGH ENERGIES. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2015, vol. 46, no. 7, pp. 1415-1437., Registrované v: WOS

ADCA363 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at

root $s=13$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2018, no. 5, art. no. 195. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP05\(2018\)195](https://doi.org/10.1007/JHEP05(2018)195)

Ohlasy:

1. [1.1] BAGNASCHI, E. - COSTA, J.C. - SAKURAI, K. - BORSATO, M. - BUCHMUELLER, O. - DE ROECK, A. - DOLAN, M.J. - ELLIS, J.R. - FLACHER, H. - HAHN, K. - HEINEMEYER, S. - LUCIO, M. - SANTOS, D.M. - OLIVE, K.A. - TRIFA, S. - WEIGLEIN, G. Global analysis of dark matter simplified models with leptophobic spin-one mediators using MasterCode. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
2. [1.1] BAILEY, S. - HARLAND-LANG, L.A. Differential top quark pair production at the LHC: Challenges for PDF fits. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 25 2020, vol. 80, no. 1., Registrované v: WOS
3. [1.1] BANERJEE, D. - KUMAR, M. - NAYEK, P. - SAHOO, S. Study of $B_s(0) \rightarrow l(+)l(-)\gamma$ decays in a nonuniversal Z' model. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, MAR 30 2019, vol. 34, no. 9., Registrované v: WOS
4. [1.1] BANSAL, S. - VAN HAEVERMAET, H. Forward physics results on jet production and energy flow at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, FEB 10 2020, vol. 35, no. 4., Registrované v: WOS
5. [1.1] COY, R. - FRIGERIO, M. - MESCIA, F. - SUMENSARI, O. New physics in $b \rightarrow sll$ transitions at one loop. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 23 2020, vol. 80, no. 1., Registrované v: WOS
6. [1.1] DAS, A. - OKADA, N. - OKADA, S. - RAUT, D. Probing the seesaw mechanism at the 250 GeV ILC. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2019, vol. 797., Registrované v: WOS
7. [1.1] DUAN, G.H. - FAN, X. - FRANK, M. - HAN, C.C. - YANG, J.M. A minimal $U(1)'$ extension of MSSM in light of the B decay anomaly. In PHYSICS LETTERS B. ISSN 0370-2693, FEB 10 2019, vol. 789, p. 54-58., Registrované v: WOS
8. [1.1] ERLAND, P. On the Exclusive Jet Measurements at the LHC. In PHOTONICS APPLICATIONS IN ASTRONOMY, COMMUNICATIONS, INDUSTRY, AND HIGH-ENERGY PHYSICS EXPERIMENTS 2019. ISSN 0277-786X, 2019, vol. 11176., Registrované v: WOS
9. [1.1] FORTE, S. - LEVY, A. - RIDOLFI, G. From My Vast Repertoire ... Guido Altarelli's Legacy Preface. In FROM MY VAST REPERTOIRE ... : GUIDO ALTARELLI'S LEGACY. 2019, p. V-+., Registrované v: WOS
10. [1.1] FRANK, M. Evading Z' boson mass limits in $U(1)'$ supersymmetric models. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 21, SI, p. 3205-3220., Registrované v: WOS
11. [1.1] HAN, C.C. - LOPEZ-IBANEZ, M. - PENG, B. - YANG, J.M. Dirac dark matter in $U(1)(B-)(L)$ with the Stueckelberg mechanism. In NUCLEAR PHYSICS B. ISSN 0550-3213, OCT 2020, vol. 959., Registrované

v: WOS

12. [1.1] HAN, Z.L. - DING, R. - LIN, S.J. - ZHU, B. Gauged $U(1)(L \mu-L \tau)$ scotogenic model in light of R-K(*) anomaly and AMS-02 positron excess. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 2019, vol. 79, no. 12., Registrované v: WOS
13. [1.1] JANA, S. - VISHNU, P.K. - SAAD, S. Minimal dirac neutrino mass models from $U(1)(R)$ gauge symmetry and left-right asymmetry at colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
14. [1.1] KHALEK, R.A. - FORTE, S. - GEHRMANN, T. - GEHRMANN-DE RIDDER, A. - GIANI, T. - GLOVER, N. - HUSS, A. - NOCERA, E.R. - PIRES, J. - ROJO, J. - STAGNITTO, G. Phenomenology of NNLO jet production at the LHC and its impact on parton distributions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 31 2020, vol. 80, no. 8., Registrované v: WOS
15. [1.1] LONG, H.N. - HOP, N.V. - HUE, L.T. - VAN, N.T.T. Constraining heavy neutral gauge boson Z' in the 3-3-1 models by weak charge data of Cesium and proton. In NUCLEAR PHYSICS B. ISSN 0550-3213, JUN 2019, vol. 943., Registrované v: WOS
16. [1.1] MAJI, P. - NAYEK, P. - SAHOO, S. Implication of family non-universal Z' model to rare exclusive $b \rightarrow s(l\bar{l}), v(v\bar{v})$ transitions. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, MAR 2019, no. 3., Registrované v: WOS
17. [1.1] MA, E. Scotogenic cobimaximal Dirac neutrino mixing from $\Delta(27)$ and $U(1)(\chi)$. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
18. [1.1] MA, E. Scotogenic $U(1)(\chi)$ Dirac neutrinos. In PHYSICS LETTERS B. ISSN 0370-2693, JUN 10 2019, vol. 793, p. 411-414., Registrované v: WOS
19. [1.1] MA, E. Two-loop $Z(4)$ Dirac neutrino masses and mixing, with self-interacting dark matter. In NUCLEAR PHYSICS B. ISSN 0550-3213, SEP 2019, vol. 946., Registrované v: WOS
20. [1.1] NAM, C.H. Flipped $U(1)$ extended standard model and Majorana dark matter. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 3 2020, vol. 80, no. 12., Registrované v: WOS
21. [1.1] NAM, C.H. $U(1)$ extension of the standard model from short-distance structure of spacetime. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 3 2019, vol. 79, no. 5., Registrované v: WOS
22. [1.1] NAYEK, P. - BISWAS, S. - MAJI, P. - SAHOO, S. Imprints of New Physics in Baryonic Decay $\Xi \Xi(b) \rightarrow \Xi \Xi l^{(+)}l^{(-)}$ in Non-universal Z' Model. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, SEP 2020, vol. 59, no. 9, p. 2712-2740., Registrované v: WOS
23. [1.1] TOKAREV, M.V. - ZBOROVSKY, I. - KECHETCHYAN, A.O. - DEDOVICH, T.G. Verification of z-Scaling in p plus p, p plus Au plus Au Collisions at RHIC, Tevatron and LHC. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, MAR 2020, vol. 51, no. 2, p. 141-171., Registrované v: WOS

inclusive jet and dijet production in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2012, vol. 86, no. 1, art. no. 014022. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.86.014022>

Ohlasy:

1. [1.1] ACCARDI, Alberto - ANDERLE, Daniele P. - RINGER, Felix. Interplay of threshold resummation and hadron mass corrections in deep inelastic processes. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2015, vol. 91, no. 3, art. no. 034008., Registrované v: WOS
2. [1.1] ALEEDANESHVAR, Alireza - GOHARIPOUR, Muhammad - ROSTAMI, Saeedeh. The impact of intrinsic charm on the parton distribution functions. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2016, vol. 52, no. 12, art. no. 352., Registrované v: WOS
3. [1.1] ALEEDANESHVAR, Alireza - GOHARIPOUR, Muhammad - ROSTAMI, Saeedeh. Uncertainty of parton distribution functions due to physical observables in a global analysis. In *CHINESE PHYSICS C*. ISSN 1674-1137, 2017, vol. 41, no. 2, art. no. 023101., Registrované v: WOS
4. [1.1] ALEEDANESHVAR, A. - KHORRAMIAN, A. The impact of CMS inclusive jet data on parton distribution functions and their uncertainties. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2017, vol. 32, no. 22, art. no. 1750134., Registrované v: WOS
5. [1.1] ALEEDANESHVAR, A. - KHORRAMIAN, A. The impact of the LHCb B- \pm production cross-section on parton distribution functions and determining the mass of heavy quarks. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2018, vol. 979, pp. 215-236., Registrované v: WOS
6. [1.1] BALL, Richard D. - BERTONE, Valerio - BONVINI, Marco - CARRAZZA, Stefano - FORTE, Stefano - GUFFANTI, Alberto - HARTLAND, Nathan P. - ROJO, Juan - ROTTOLI, Luca. A determination of the charm content of the proton. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2016, vol. 76, no. 11, art. no. 647., Registrované v: WOS
7. [1.1] BALL, Richard D. - BERTONE, Valerio - CARRAZZA, Stefano - DEL DEBBIO, Luigi - FORTE, Stefano - GROTH-MERRILD, Patrick - GUFFANTI, Alberto - HARTLAND, Nathan P. - KASSABOV, Zahari - LATORRE, Jose I. - NOCERA, Emanuele R. - ROJO, Juan - ROTTOLI, Luca - SLADE, Emma - UBIALI, Maria. Parton distributions from high-precision collider data. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2017, vol. 77, no. 10, art. no. 663., Registrované v: WOS
8. [1.1] BALL, Richard D. - BERTONE, Valerio - BONVINI, Marco - MARZANI, Simone - ROJO, Juan - ROTTOLI, Luca. Parton distributions with small-x resummation: evidence for BFKL dynamics in HERA data. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 321., Registrované v: WOS
9. [1.1] BALL, R.D. - NOCERA, E.R. - PEARSON, R.L. Nuclear uncertainties in the determination of proton PDFs: NNPDF Collaboration. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS
10. [1.1] BERTONE, Valerio - CARRAZZA, Stefano - HARTLAND, Nathan P. APFELgrid: A high performance tool for parton density determinations. In *COMPUTER PHYSICS COMMUNICATIONS*. ISSN

- 0010-4655, 2017, vol. 212, pp. 205-209., Registrované v: WOS
11. [1.1] BERTONE, Valerio - CARRAZZA, Stefano - HARTLAND, Nathan P. - ROJO, Juan. Illuminating the photon content of the proton within a global PDF analysis. In *SCIPOST PHYSICS*. ISSN 2542-4653, 2018, vol. 5, no. 1, art. no. 008., Registrované v: WOS
 12. [1.1] BIERENBAUM, Isabella - KRAMER, Gustav. Production of massless charm jets in pp collisions at next-to-leading order of QCD. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2015, vol. 30, no. 18-19, art. no. 1550111., Registrované v: WOS
 13. [1.1] BRITZGER, D. - RABBERTZ, K. - SAVOIU, D. - SIEBER, G. - WOBISCH, M. Determination of the strong coupling constant using inclusive jet cross section data from multiple experiments. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, JAN 28 2019, vol. 79, no. 1., Registrované v: WOS
 14. [1.1] BROILO, M. - FAGUNDES, D.A. - LUNA, E.G.S. - MENON, M.J. Proton-proton forward scattering at the LHC. In *PHYSICS LETTERS B*. ISSN 0370-2693, DEC 10 2019, vol. 799., Registrované v: WOS
 15. [1.1] CAMPOS, S.D. Proton internal pressure in pp and (p)over-bar-p elastic scattering. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, APR 10 2019, vol. 34, no. 10., Registrované v: WOS
 16. [1.1] CAMPOS, S.D. - OKOROKOV, V.A. Hollowness effect and entropy in high energy elastic scattering. In *PHYSICA SCRIPTA*. ISSN 0031-8949, SEP 2020, vol. 95, no. 9., Registrované v: WOS
 17. [1.1] CARRAZZA, Stefano - LATORRE, Jose I. - ROJO, Juan - WATT, Graeme. A compression algorithm for the combination of PDF sets. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2015, vol. 75, no. 10, art. no. 474., Registrované v: WOS
 18. [1.1] CARRAZZA, Stefano - FORTE, Stefano - KASSABOV, Zahari - IGNACIO LATORRE, Jose - ROJO, Juan. An unbiased Hessian representation for Monte Carlo PDFs. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2015, vol. 75, no. 8, art. no. 369., Registrované v: WOS
 19. [1.1] CARRAZZA, Stefano - FERRARA, Alfio - PALAZZO, Daniele - ROJO, Juan. APFEL Web: a web-based application for the graphical visualization of parton distribution functions. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*. ISSN 0954-3899, 2015, vol. 42, no. 5, art. no. 057001., Registrované v: WOS
 20. [1.1] CARRAZZA, Stefano - FORTE, Stefano - KASSABOV, Zahari - ROJO, Juan. Specialized minimal PDFs for optimized LHC calculations. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2016, vol. 76, no. 4, art. no. 205., Registrované v: WOS
 21. [1.1] COOK, Dianne - LAA, Ursula - VALENCIA, German. Dynamical projections for the visualization of PDFSense data. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 742., Registrované v: WOS
 22. [1.1] ENGLERT, Christoph - SPANNOWSKY, Michael. Effective theories and measurements at colliders. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2015, vol. 740, pp. 8-15., Registrované v: WOS
 23. [1.1] FREESE, Adam J. - SARGSIAN, Misak M. - STRIKMAN, Mark I. Probing superfast quarks in nuclei through dijet production at the LHC. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2015, vol. 75, no.

- 11, art. no. 534., Registrované v: WOS
24. [1.1] GAO, Jun - HARLAND-LANG, Lucian - ROJO, Juan. The structure of the proton in the LHC precision era. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2018, vol. 742, pp. 1-121., Registrované v: WOS
25. [1.1] HADJIMICHEF, D. - LUNA, E.G.S. - PELAEZ, M. QCD effective charges and the structure function F-2 at small-x: Higher twist effects. In PHYSICS LETTERS B. ISSN 0370-2693, MAY 10 2020, vol. 804., Registrované v: WOS
26. [1.1] HARLAND-LANG, L. A. - MARTIN, A. D. - MOTYLINSKI, P. - THORNE, R. S. Parton distributions in the LHC era: MMHT 2014 PDFs. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 204., Registrované v: WOS
27. [1.1] HARLAND-LANG, L. A. - MARTIN, A. D. - MOTYLINSKI, P. - THORNE, R. S. Updates of PDFs for the 2nd LHC run. In DIFFRACTION 2014: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2015, vol. 1654, art. no. 030001., Registrované v: WOS
28. [1.1] HARLAND-LANG, L. A. - MARTIN, A. D. - THORNE, R. S. The impact of LHC jet data on the MMHT PDF fit at NNLO. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 248., Registrované v: WOS
29. [1.1] HOBBS, T.J. - WANG, B.T. - NADOLSKY, P.M. - OLNES, F.I. Charting the coming synergy between lattice QCD and high-energy phenomenology. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 27 2019, vol. 100, no. 9., Registrované v: WOS
30. [1.1] HOU, T.J. - YU, Z.T. - DULAT, S. - SCHMIDT, C. - YUAN, C.P. Updating and optimizing error parton distribution function sets in the Hessian approach. II. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 13 2019, vol. 100, no. 11., Registrované v: WOS
31. [1.1] KANG, Zhong-Bo - RINGER, Felix - VITEV, Ivan. Jet substructure using semi-inclusive jet functions in SCET. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 11, art. no. 155., Registrované v: WOS
32. [1.1] KHALEK, R.A. - FORTE, S. - GEHRMANN, T. - GEHRMANN-DE RIDDER, A. - GIANI, T. - GLOVER, N. - HUSS, A. - NOCERA, E.R. - PIRES, J. - ROJO, J. - STAGNITTO, G. Phenomenology of NNLO jet production at the LHC and its impact on parton distributions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 31 2020, vol. 80, no. 8., Registrované v: WOS
33. [1.1] KOKKAS, P. Measurements of jet-related observables at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 31, art. no. 1546004., Registrované v: WOS
34. [1.1] Measurement of the Cross Section of Four-Jet Events. In HIGH JET MULTIPLICITY PHYSICS AT THE LHC. ISSN 2190-5053, 2016, pp. 103-168., Registrované v: WOS
35. [1.1] MOTYLINSKI, Patrick - HARLAND-LANG, Lucian - MARTIN, Alan D. - THORNE, Robert S. Updates of PDFs for the 2nd LHC run. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 2136-2141., Registrované v: WOS

36. [1.1] NIK, R. Aminzadeh - MODARRES, M. - MASOUMINIA, M. R. Study of inclusive single-jet production in the framework of $k(t)$ -factorization unintegrated parton distributions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 096012., Registrované v: WOS
37. [1.1] NOCERA, E.R. - UBIALI, M. - VOISEY, C. Single top production in PDF fits. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 14 2020, no. 5., Registrované v: WOS
38. [1.1] RABBERTZ, Klaus. Absolute Cross Sections. In JET PHYSICS AT THE LHC: THE STRONG FORCE BEYOND THE TEV SCALE. ISSN 0081-3869, 2017, vol. 268, pp. 111-144., Registrované v: WOS
39. [1.1] ROJO, Juan. Constraints on parton distributions and the strong coupling from LHC jet data. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 31, art. no. 146005., Registrované v: WOS
40. [1.1] ROLPH, Andrew - UBIALI, Maria. PDFs and LHC data: current and future constraints. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. UNSP 07001., Registrované v: WOS
41. [1.1] SAPETA, Sebastian. QCD and jets at hadron colliders. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 89, pp. 1-55., Registrované v: WOS
42. [1.1] SHOEIBI, Samira - KHANPOUR, Hamzeh - TAGHAVI-SHAHRI, F. - JAVIDAN, Kurosh. Determination of neutron fracture functions from a global QCD analysis of the leading neutron production at HERA. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 074011., Registrované v: WOS
43. [1.1] SCHMIDT, Carl - PUMPLIN, Jon - YUAN, C-P. Updating and optimizing error parton distribution function set s in the Hessian approach. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 094005., Registrované v: WOS
44. [1.1] TOKAREV, M. V. - ZBOROVSKY, I. SELF-SIMILARITY OF HADRON PRODUCTION: z -SCALING. In THEORETICAL AND MATHEMATICAL PHYSICS. ISSN 0040-5779, 2015, vol. 184, no. 3, pp. 1350-1360., Registrované v: WOS
45. [1.1] TOKAREV, M.V. - ZBOROVSKY, I. - KECHECHYAN, A.O. - DEDOVICH, T.G. Verification of z -Scaling in p plus p , p and Au plus Au Collisions at RHIC, Tevatron and LHC. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, MAR 2020, vol. 51, no. 2, p. 141-171., Registrované v: WOS
46. [1.1] WANG, Bo-Ting - HOBBS, T. J. - DOYLE, Sean - GAO, Jun - HOU, Tie-Jiun - NADOLSKY, Pavel M. - OLNESS, Fredrick I. Mapping the sensitivity of hadronic experiments to nucleon structure. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 094030., Registrované v: WOS

ADCA365 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of inclusive jet charged-particle fragmentation functions in Pb plus Pb collisions at root S -NN=2.76 TeV with the ATLAS detector. In *Physics Letters B*, 2014, vol. 739, p. 320-342. (2013: 6.019 - IF, Q1 - JCR, 3.707 - SJR, Q1 - SJR,

Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2014.10.065>

Ohlasy:

1. [1.1] ANDERLE, Daniele P. - KAUFMANN, Tom - STRATMANN, Marco - RINGER, Felix - VITEV, Ivan. Using hadron-in-jet data in a global analysis of D^* fragmentation functions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 034028., Registrované v: WOS
2. [1.1] ANDRES, Carlota - ARMESTO, Nestor - LUZUM, Matthew - SALGADO, Carlos A. - ZURITA, Pia. Energy versus centrality dependence of the jet quenching parameter at RHIC and LHC: a new puzzle? In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 9, art. no. 475., Registrované v: WOS
3. [1.1] APOLINARIO, Liliana - ARMESTO, Nestor - MILHANO, Jose Guilherme - SALGADO, Carlos A. Medium-induced gluon radiation and colour decoherence beyond the soft approximation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 2, art. no. 119., Registrované v: WOS
4. [1.1] APOLINARIO, Liliana - ARMESTO, Nestor - MILHANO, Jose Guilherme - SALGADO, Carlos A. In-medium jet evolution: interplay between broadening and decoherence effects. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 681-684., Registrované v: WOS
5. [1.1] APOLINARIO, Liliana - ARMESTO, Nestor - MILHANO, Jose Guilherme - SALGADO, Carlos A. Factorization of in-medium parton branching beyond the eikonal approximation. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 117-120., Registrované v: WOS
6. [1.1] APOLINARIO, Liliana - MILHANO, Jose Guilherme - PLOSKON, Mateusz - XIAOMINGZHANG. Novel subjet observables for jet quenching in heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 529., Registrované v: WOS
7. [1.1] APOLINARIO, Liliana. In-Medium Parton Branching Beyond Eikonal Approximation. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2017, vol. 58, no. 2., Registrované v: WOS
8. [1.1] ARMESTO, Nestor - SCOMPARIN, Enrico. Heavy-ion collisions at the Large Hadron Collider: A review of the results from Run 1. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2016, vol. 131, no. 3, art. no. 52., Registrované v: WOS
9. [1.1] BALA, Renu - BAUTISTA, Irais - BIELCIKOVA, Jana - ORTIZ, Antonio. Heavy-ion physics at the LHC: Review of Run I results. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 7, art. no. 1642006., Registrované v: WOS
10. [1.1] BASKAKOV, A. V. - BOOS, E. E. - DUDKO, L. V. - LOKHTIN, I. P. - SNIGIREV, A. M. Single top quark production in heavy ion collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 4, art. no. 044901., Registrované v: WOS
11. [1.1] BATY, Austin. Fragmentation patterns of jets in pPb collisions in CMS. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 589-592., Registrované v: WOS
12. [1.1] BLAIZOT, J.P. - MEHTAR-TANI, Y. Jet structure in heavy ion

- collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2015, vol. 24, no. 11, art. no. 1530012., Registrované v: WOS
13. [1.1] BREWER, Jasmine - RAJAGOPAL, Krishna - SADOBYEV, Andrey - VAN DER SCHEE, Wilke. Evolution of the mean jet shape and dijet asymmetry distribution of an ensemble of holographic jets in strongly coupled plasma. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 015., Registrované v: WOS
14. [1.1] CASALDERREY-SOLANA, Jorge - PABLOS, Daniel - TYWONIUK, Konrad. Two-gluon emission and interference in a thin QCD medium: insights into jet formation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 11, art. no. 174., Registrované v: WOS
15. [1.1] CASALDERREY-SOLANA, Jorge - GULHAN, Doga Can - MILHANO, Jose Guilherme - PABLOS, Daniel - RAJAGOPAL, Krishna. Predictions for boson-jet observables and fragmentation function ratios from a hybrid strong/weak coupling model for jet quenching. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 053., Registrované v: WOS
16. [1.1] CASALDERREY-SOLANA, Jorge - GULHAN, Doga Can - MILHANO, Jose Guilherme - PABLOS, Daniel - RAJAGOPAL, Krishna. Angular structure of jet quenching within a hybrid strong/weak coupling model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 135., Registrované v: WOS
17. [1.1] CAUCAL, P. - IANCU, E. - MUELLER, A. H. - SOYEZ, G. Vacuumlike Jet Fragmentation in a Dense QCD Medium. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 23, art. no. 232001., Registrované v: WOS
18. [1.1] CAUCAL, P. - IANCU, E. - SOYEZ, G. - MUELLER, A.H. Adding vacuum branching to jet evolution in a dense medium. In NUCLEAR PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 623-626., Registrované v: WOS
19. [1.1] CONNORS, Megan - NATTRASS, Christine - REED, Rosi - SALUR, Sevil. Jet measurements in heavy ion physics. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2018, vol. 90, no. 2, art. no. 025005., Registrované v: WOS
20. [1.1] DASGUPTA, Mrinal - DREYER, Frederic - SALAM, Gavin P. - SOYEZ, Gregory. Small-radius jets to all orders in QCD. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 039., Registrované v: WOS
21. [1.1] ELAYAVALLI, Raghav Kunnawalkam. Jet structure modifications in heavy-ion collisions with JEWEL. In WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS (HOT QUARKS 2016). ISSN 1742-6588, 2017, vol. 832, art. no. UNSP 012004., Registrované v: WOS
22. [1.1] ESCOBEDO, Miguel A. - IANCU, Edmond. Multi-particle correlations and KNO scaling in the medium-induced jet evolution. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 12, art. no. 104., Registrované v: WOS
23. [1.1] ESCOBEDO, Miguel A. - IANCU, Edmond. Event-by-event fluctuations in the medium-induced jet evolution. In JOURNAL OF HIGH

ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 008., Registrované v: WOS

24. [1.1] FISTER, Leonard - IANCU, Edmond. Medium-induced jet evolution: wave turbulence and energy loss. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 3, art. no. 082., Registrované v: WOS

25. [1.1] HULCHER, Zachary - PABLOS, Daniel - RAJAGOPAL, Krishna. Resolution effects in the hybrid strong/weak coupling model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 010., Registrované v: WOS

26. [1.1] CHIEN, Yang-Ting - KANG, Zhong-Bo - RINGER, Felix - VITEV, Ivan - XING, Hongxi. Jet fragmentation functions in proton-proton collisions using soft-collinear effective theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 125., Registrované v: WOS

27. [1.1] CHIEN, Yang-Ting - VITEV, Ivan. Probing the Hardest Branching within Jets in Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 11, art. no. 112301., Registrované v: WOS

28. [1.1] CHRISTIANSEN, Peter. High $p(T)$ spectra and anisotropy of light and heavy hadrons. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 42-46., Registrované v: WOS

29. [1.1] IANCU, Edmond - TAEELS, Pieter - WU, Bin. Jet quenching parameter in an expanding QCD plasma. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 786, pp. 288-295., Registrované v: WOS

30. [1.1] IANCU, Edmond - WU, Bin. Thermalization of mini-jets in a quark-gluon plasma. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 10, art. no. 155., Registrované v: WOS

31. [1.1] KANG, Zhong-Bo - LEE, Kyle - RINGER, Felix. Jet angularity measurements for single inclusive jet production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 4, art. no. 110., Registrované v: WOS

32. [1.1] KANG, Zhong-Bo - RINGER, Felix - VITEV, Ivan. Jet substructure using semi-inclusive jet functions in SCET. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 11, art. no. 155., Registrované v: WOS

33. [1.1] KANG, Zhong-Bo - RINGER, Felix - VITEV, Ivan. The semi-inclusive jet function in SCET and small radius resummation for inclusive jet production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 10, art. no. 125., Registrované v: WOS

34. [1.1] KANG, Z.B. - LEE, K. - ZHAO, F.Y. Polarized jet fragmentation functions. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS

35. [1.1] KAUFMANN, T. - LIU, X.H. - MUKHERJEE, A. - RINGER, F. - VOGELSANG, W. Hadron-in-jet production at partonic threshold. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 5 2020, no. 2., Registrované v: WOS

36. [1.1] KIRAKOSYAN, M. - KOVALENKO, A. - LEONIDOV, A. Sound propagation and Mach cone in anisotropic hydrodynamics. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 22 2019, vol.

79, no. 5., Registrované v: WOS

37. [1.1] LOKHTIN, I. P. - ALKIN, A. A. - SNIGIREV, A. M. On jet structure in heavy ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 452., Registrované v: WOS

38. [1.1] MAJUMDER, A. - PUTSCHKE, J. Mass depletion: A new parameter for quantitative jet modification. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 5, art. no. 054909., Registrované v: WOS

39. [1.1] MAKRIS, Yiannis - VAIDYA, Varun. Transverse momentum spectra at threshold for groomed heavy quark jets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 019., Registrované v: WOS

40. [1.1] MEHTAR-TANI, Yacine - TYWONIUK, Konrad. Groomed jets in heavy-ion collisions: sensitivity to medium-induced bremsstrahlung. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, art. no. 125., Registrované v: WOS

41. [1.1] MEHTAR-TANI, Yacine - TYWONIUK, Konrad. Radiative energy loss of neighboring subjects. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 979, pp. 165-203., Registrované v: WOS

42. [1.1] MEHTAR-TANI, Yacine. Theoretical Developments in QCD Jet Energy Loss. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 168-175., Registrované v: WOS

43. [1.1] MEHTAR-TANI, Yacine. Jet structure in Heavy-Ion Collisions A theory overview. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 276, pp. 41-47., Registrované v: WOS

44. [1.1] MILHANO, Jose Guilherme - ZAPP, Korinna Christine. Origins of the di-jet asymmetry in heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 288., Registrované v: WOS

45. [1.1] NATTRASS, Christine - SHARMA, Natasha - MAZER, Joel - STUART, Meghan - BEJNOOD, Aram. Disappearance of the Mach cone in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 1, art. no. 011901., Registrované v: WOS

46. [1.1] NATTRASS, Christine. Jets in heavy ion collisions. In WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS (HOT QUARKS 2016). ISSN 1742-6588, 2017, vol. 832, art. no. UNSP 012001., Registrované v: WOS

47. [1.1] NEILL, Duff - SCIMEMI, Ignazio - WAALEWIJIN, Wouter J. Jet axes and universal transverse-momentum dependent fragmentation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, art. no. 020., Registrované v: WOS

48. [1.1] ROLAND, Christof. Jets in heavy ion collisions at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 31, art. no. 1546010., Registrované v: WOS

49. [1.1] ROSSI, A. Experiment summary. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 276, pp. 96-102., Registrované v: WOS

50. [1.1] SAPETA, Sebastian. QCD and jets at hadron colliders. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410,

- 2016, vol. 89, pp. 1-55., Registrované v: WOS
51. [1.1] SICKLES, A.M. Jets in Nuclear Collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 142-148., Registrované v: WOS
52. [1.1] SOYEZ, G. Pileup mitigation at the LHC: A theorist's view. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, APR 25 2019, vol. 803, p. 1-158., Registrované v: WOS
53. [1.1] TACHIBANA, Yasuki - HIRANO, Tetsufumi. Interplay between Mach cone and radial expansion and its signal in gamma-jet events. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 5, art. no. 054907., Registrované v: WOS
54. [1.1] VAN LEEUWEN, M. Jet Fragmentation and Jet Shapes in JEWEL and q-PYTHIA. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 276, pp. 293-296., Registrované v: WOS
55. [1.1] YAN, Y.L. - LIMPHIRAT, A. - ZHOU, D.M. - SRISAWAD, P. - YAN, Y.P. - YANG, C.B. - CAI, X. - SA, B. Comparative study of the forward and backward methods for calculating jet properties in pp collisions at $\sqrt{s}=7$ TeV. In CHINESE PHYSICS C. ISSN 1674-1137, MAR 2020, vol. 44, no. 3., Registrované v: WOS
56. [1.1] ZAPP, Korinna C. Jet energy loss and equilibration. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 81-88., Registrované v: WOS

ADCA366 AKTAS, A. - BRUNCKO, Dušan - FERENCEI, Jozef - MURÍN, Pavol - TOMASZ, Filip. Measurement of inclusive jet production in deep-inelastic scattering at high Q^2 and determination of the strong coupling. In *Physics Letters B*, 2007, vol. 653, no. 2-4, p. 134-144. (2006: 5.043 - IF, Q1 - JCR, 3.265 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2007.07.050>

Ohlasy:

1. [1.1] DASGUPTA, Mrinal - DREYER, Frederic - SALAM, Gavin P. - SOYEZ, Gregory. Small-radius jets to all orders in QCD. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 204., Registrované v: WOS
2. [1.1] HARLAND-LANG, L. A. - MARTIN, A. D. - MOTYLINSKI, P. - THORNE, R. S. Parton distributions in the LHC era: MMHT 2014 PDFs. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 204., Registrované v: WOS

ADCA367 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of inclusive two-particle angular correlations in pp collisions with the ATLAS detector at the LHC (ATLAS Collaboration). In *Journal of High Energy Physics*, 2012, vol. 2012, no. 5, art. no. 157. (2011: 5.831 - IF, 1.902 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1029-8479.

Ohlasy:

1. [1.1] KHAN, R. - AJAZ, M. - ALI, Y. - YOUNIS, H. - KHAN, G. - WAZIR, Z. - ZAMAN, A. - KHAN, A. Model Predictions of Charged-Particle Azimuthal Distributions and Forward-Backward Correlations in pp Interactions

at root $s=900$ GeV. In COMMUNICATIONS IN THEORETICAL PHYSICS.
ISSN 0253-6102, OCT 2019, vol. 71, no. 10, p. 1172-1178., Registrované v:
WOS

ADCA368 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan -
KRIVDA, Marián - ŠÁNDOR, Ladislav - VALA, Martin. Measurement of inelastic,
single- and double-diffraction cross sections in proton-proton collisions at the LHC
with ALICE. In *European Physical Journal C*, 2013, vol. 73, no. 6, art. no. 2456.
(2012: 5.247 - IF, Q1 - JCR, 3.034 - SJR, Q1 - SJR, Current Contents - CCC). (2013
- Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na:
<https://doi.org/10.1140/epjc/s10052-013-2456-0>

Ohlasy:

1. [1.1] ADRIANI, O. - BERTI, E. - BONECHI, L. - BONGI, M. -
D'ALESSANDRO, R. - DEL PRETE, M. - HAGUENAUER, M. - ITOW, Y. -
IWATA, T. - KASAHARA, K. - KAWADE, K. - MAKINO, Y. - MASUDA, K.
- MATSUBAYASHI, E. - MENJO, H. - MITSUKA, G. - MURAKI, Y. -
PAPINI, P. - PERROT, A.L. - RICCIARINI, S. - SAKO, T. - SAKURAI, N. -
SUZUKI, T. - TAMURA, T. - TIBERIO, A. - TORII, S. - TRICOMI, A. -
TURNER, W. C. - UENO, M. - ZHOU, Q. D. Measurements of longitudinal and
transverse momentum distributions for neutral pions in the forward-rapidity
region with the LHCf detector. In PHYSICAL REVIEW D. ISSN 2470-0010,
2016, vol. 94, no. 3, art. no. 032007., Registrované v: WOS
2. [1.1] ANISOVICH, V. V. Universality of hadron cross sections at
ultrahigh energies. In PHYSICS-USPEKHI. ISSN 1063-7869, 2015, vol. 58, no.
10, pp. 963-967., Registrované v: WOS
3. [1.1] ANISOVICH, V. V. - NIKONOV, V. A. Real part of scattering
amplitude at ultrahigh energies. In INTERNATIONAL JOURNAL OF
MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 30, art. no.
1550188., Registrované v: WOS
4. [1.1] ANISOVICH, V. V. - NIKONOV, V. A. - NYIRI, J.
Asymptotic regimes for hadron diffractive scatterings and Coulomb interaction:
Arguments for the black disk mode. In INTERNATIONAL JOURNAL OF
MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 11, art. no.
1650053., Registrované v: WOS
5. [1.1] ANISOVICH, V. V. - NIKONOV, V. A. Hadron diffractive
scattering at ultrahigh energies and Coulomb interaction. In MODERN PHYSICS
LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 8, art. no. 1650051.,
Registrované v: WOS
6. [1.1] ANTICHEV, G. - ASPELL, P. - ATANASSOV, I. - AVATI, V.
- BAECHLER, J. - BARRERA, C.B. - BERARDI, V. - BERRETTI, M. -
BOSSINI, E. - BOTTIGLI, U. - BOZZO, M. - BURKHARDT, H. - CAFAGNA,
F.S. - CATANESI, M.G. - CSANAD, M. - CSORGO, T. - DEILE, M. - DE
LEONARDIS, F. - D'ORAZIO, A. - DOUBEK, M. - DRUZHKIN, D. -
EGGERT, K. - EREMIN, V. - FERRO, F. - FIERGOLSKI, A. - GARCIA, F. -
GEORGIEV, V. - GIANI, S. - GRZANKA, L. - HAMMERBAUER, J. - HEINO,
J. - HELANDER, P. - ISIDORI, T. - IVANCHENKO, V. - JANDA, M. -
KAREV, A. - KASPAR, J. - KOPAL, J. - KUNDRAT, V. - LAMI, S. -
LATINO, G. - LAUHAKANGAS, R. - LINHART, R. - LINDSEY, C. -
LOKAJICEK, M.V. - LOSURDO, L. - VETERE, M.L. - RODRIGUEZ, F.L. -
MACRI, M. - MALAWSKI, M. - MINAFRA, N. - MINUTOLI, S. -

- NAARANOJA, T. - NEMES, F. - NIEWIADOMSKI, H. - NOVAK, T. - OLIVERI, E. - OLJEMARK, F. - ORIUNNO, M. - OSTERBERG, K. - PALAZZI, P. - PASSARO, V. - PEROUTKA, Z. - PROCHAZKA, J. - QUINTO, M. - RADERMACHER, E. - RADICIONI, E. - RAVOTTI, F. - ROBUTTI, E. - ROYON, C. - RUGGIERO, G. - SAARIKKO, H. - SCRIBANO, A. - SIROKY, J. - SMAJEK, J. - SNOEYS, W. - STEFANOVITCH, R. - SZIKLAI, J. - TAYLOR, C. - TCHERNIAEV, E. - TURINI, N. - VACEK, V. - WELTI, J. - WILLIAMS, J. - WYSZKOWSKI, P. - ZICH, J. - ZIELINSKI, K. First measurement of elastic, inelastic and total cross-section at $\sqrt{s}=13\text{TeV}$ by TOTEM and overview of cross-section data at LHC energies: TOTEM Collaboration. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 1 2019, vol. 79, no. 2., Registrované v: WOS
7. [1.1] APPLEBY, R. B. - BARLOW, R. J. - MOLSON, J. G. - SERLUCA, M. - TOADER, A. The practical Pomeron for high energy proton collimation. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 10, art. no. 520., Registrované v: WOS
8. [1.1] ARBELETCHÉ, L. B. - GONCALVES, V. P. - MUELLER, M. A. Investigating the influence of diffractive interactions on ultrahigh-energy extensive air showers. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 26, art. no. 1850153., Registrované v: WOS
9. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
10. [1.1] BEGGIO, P. C. Inelastic cross sections, overlap functions and C-q moments from ISR to LHC energies in proton interactions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 2, art. no. 025002., Registrované v: WOS
11. [1.1] BELLM, J. - DUNCAN, C.B. - GIESEKE, S. - MYSKA, M. - SIODMOK, A. Spacetime colour reconnection in Herwig 7. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 2019, vol. 79, no. 12., Registrované v: WOS
12. [1.1] BELLM, J. - DUNCAN, C.B. - GIESEKE, S. - MYSKA, M. - SIODMOK, A. SPACETIME INFORMATION AS A GUIDING PRINCIPLE FOR COLOR RECONNECTION IN Herwig 7. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2020, vol. 51, no. 6, p. 1485-1496., Registrované v: WOS
13. [1.1] BELLM, J. - GIESEKE, S. - KIRCHGAESSER, P. Improving the description of multiple interactions in Herwig. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 25 2020, vol. 80, no. 5., Registrované v: WOS
14. [1.1] BLEIBEL, J. - BRAVINA, L. V. - ZABRODIN, E. E. How many of the scaling trends in pp collisions will be violated at $\sqrt{s(\text{NN})}=14\text{TeV}$? Predictions from Monte Carlo quark-gluon string model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 114012., Registrované v: WOS
15. [1.1] BROILO, M. - GONCALVES, V.P. - SILVA, P.V.R.G. Investigating the impact of the partonic structure on the description of hadronic collisions at high energies. In INTERNATIONAL JOURNAL OF MODERN

PHYSICS A. ISSN 0217-751X, AUG 10 2020, vol. 35, no. 22., Registrované v: WOS

16. [1.1] BROILO, M. - GONCALVES, V.P. - SILVA, P.V.R.G. Model of diffractive excitation in pp collisions at high energies. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 28 2020, vol. 101, no. 7., Registrované v: WOS

17. [1.1] BROOKS, Helen - SKANDS, Peter. Average event properties from LHC to FCC-hh. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 11, art. no. 963., Registrované v: WOS

18. [1.1] CARVALHO, F. - CAZAROTO, E. R. - GONCALVES, V. P. - NAVARRA, F. S. Tetraquark production in double parton scattering. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 034004., Registrované v: WOS

19. [1.1] CECCOPIERI, Federico Alberto. Single-diffractive Drell-Yan pair production at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 1., Registrované v: WOS

20. [1.1] ESPOSITO, A. - GUERRIERI, A. L. - MAIANI, L. - PICCININI, F. - PILLONI, A. - POLOSA, A. D. - RIQUER, V. Observation of light nuclei at ALICE and the X(3872) conundrum. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 034028., Registrované v: WOS

21. [1.1] FAGUNDES, Daniel A. - GRAU, Agnes - PANCHERI, Giulia - SRIVASTAVA, Yogendra N. - SHEKHOVTSOVA, Olga. p air production cross-section and uncorrelated mini-jets processes in pp-scattering. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. 03002., Registrované v: WOS

22. [1.1] FAGUNDES, Daniel A. - GRAU, Agnes - PANCHERI, Giulia - SHEKHOVTSOVA, Olga - SRIVASTAVA, Yogendra N. Inelastic cross section and survival probabilities at the LHC in minijet models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 054010., Registrované v: WOS

23. [1.1] FAGUNDES, D. A. - GRAU, A. - PANCHERI, G. - SRIVASTAVA, Y. N. - SHEKHOVTSOVA, O. Soft edge of hadron scattering and minijet models for the total and inelastic pp cross sections at LHC and beyond. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 11, art. no. 114011., Registrované v: WOS

24. [1.1] FAGUNDES, D. A. - MENON, M. J. - SILVA, P. V. R. G. Exploring central opacity and asymptotic scenarios in elastic hadron scattering. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 946, pp. 194-226., Registrované v: WOS

25. [1.1] FENG, Jonathan L. - GALON, Iftah - KLING, Felix - TROJANOWSKI, Sebastian. Forward Search Experiment at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 035001., Registrované v: WOS

26. [1.1] FLOERCHINGER, S. - GROSSI, E. - YOUSEFNIA, K.V. Model comparison for initial density fluctuations in high-energy heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 30 2020, vol. 102, no. 5., Registrované v: WOS

27. [1.1] GIUBEGA, L.E. Soft QCD and CEP at LHCb. In XIII INTERNATIONAL CONFERENCE ON BEAUTY, CHARM AND HYPERON HADRONS (BEACH 2018). ISSN 1742-6588, 2019, vol. 1137., Registrované v:

WOS

28. [1.1] GONCALVES, V.P. - DA SILVA, R.P. - SILVA, P.V.R.G. Diffractive excitation in pp and pA collisions at high energies. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 18 2019, vol. 100, no. 1., Registrované v: WOS
29. [1.1] GOTSMAN, Errol. Tension in the LHC diffractive data ? In DIFFRACTION 2014: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2015, vol. 1654, art. no. 050004., Registrované v: WOS
30. [1.1] GOTSMAN, E. - LEVIN, E. - MAOR, U. A model for strong interactions at high energy based on the CGC/saturation approach. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 1, art. no. 18., Registrované v: WOS
31. [1.1] GOULIANOS, Konstantin. RENORM Predictions of Diffraction at LHC Confirmed. In DIFFRACTION 2014: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2015, vol. 1654, art. no. 050006., Registrované v: WOS
32. [1.1] CHIEN, Yang-Ting - EMERMAN, Alexander - KANG, Zhong-Bo - OVANESYAN, Grigory - VITEV, Ivan. Jet quenching from QCD evolution. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 074030., Registrované v: WOS
33. [1.1] CHOUDHURY, D. K. - SAIKIA, Baishali. Froissart bound and self-similarity based models of proton structure functions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 8, art. no. 1850046., Registrované v: WOS
34. [1.1] CHWASTOWSKI, Janusz. STANDARD MODEL RESULTS FROM ATLAS EARLY 13 TeV DATA. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 6, pp. 1417-1435., Registrované v: WOS
35. [1.1] KENDI KOHARA, A. - FERREIRA, Erasmo - KODAMA, Takeshi. Elastic Amplitudes and Observables in pp Scattering. In DIFFRACTION 2014: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2015, vol. 1654, art. no. 050003., Registrované v: WOS
36. [1.1] KHOZE, V. A. - MARTIN, A. D. - RYSKIN, M. G. Elastic scattering and diffractive dissociation in the light of LHC data. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 8, art. no. 1542004., Registrované v: WOS
37. [1.1] MARTIN, Alan D. Lessons from LHC elastic and diffractive data. In 1ST INTERNATIONAL KAIDALOV WORKSHOP ON THE PHENOMENOLOGY OF HIGH ENERGY PARTICLE PHYSICS. ISSN 1742-6588, 2015, vol. 607, art. no. 012002., Registrované v: WOS
38. [1.1] MUKHAMEDSHIN, R.A. FANSY 2.0: A Monte Carlo tool for study of superhigh-energy cosmic-ray interactions Proton-proton interactions. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, NOV 2019, vol. 134, no. 11., Registrované v: WOS
39. [1.1] NEMES, F. The Results of the Totem Experiment. In DIFFRACTION 2016: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2017, vol. 1819, art. no. UNSP 040004-1-, Registrované v: WOS
40. [1.1] NURSE, Emily - SEN, Sercan. Large Rapidity Gap Method to

Select Soft Diffraction Dissociation at the LHC. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 5082847., Registrované v: WOS

41. [1.1] PANCHERI, Giulia - SRIVASTAVA, Yogendra N.

Introduction to the physics of the total cross section at LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 3, art. no. 150., Registrované v: WOS

42. [1.1] PECCINI, G.M. - KOPP, F. - MACHADO, M.V.T. -

FAGUNDES, D.A. Soft diffraction within the QCD color dipole picture. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 29 2020, vol. 101, no. 7., Registrované v: WOS

43. [1.1] RASMUSSEN, Christine O. - SJOSTRAND, Torbjorn. Models for total, elastic and diffractive cross sections. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 461., Registrované v: WOS

44. [1.1] RIEHN, F. - ENGEL, R. - FEDYNITCH, A. - GAISSER, T.K. - STANEV, T. Hadronic interaction model SIBYLL 2.3d and extensive air showers. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 3 2020, vol. 102, no. 6., Registrované v: WOS

45. [1.1] SIDDIKOV, M. - SCHMIDT, I. Single diffractive production of open heavy flavor mesons. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 28 2020, vol. 102, no. 7., Registrované v: WOS

46. [1.1] SIEVERT, M. - NORONHA-HOSTLER, J. CERN Large Hadron Collider system size scan predictions for PbPb, XeXe, ArAr, and OO with relativistic hydrodynamics. In PHYSICAL REVIEW C. ISSN 2469-9985, AUG 2 2019, vol. 100, no. 2., Registrované v: WOS

47. [1.1] TICHOUK - SUN, H. - LUO, X. Hard diffractive eta(c,b) hadroproduction at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 26 2020, vol. 101, no. 5., Registrované v: WOS

48. [1.1] TROSHIN, S. M. - TYURIN, N. E. Inelastic diffraction at the LHC. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, 2017, vol. 48, no. 2, pp. 237-242., Registrované v: WOS

49. [1.1] TROSHIN, S. M. - TYURIN, N. E. Generalized upper bound for inelastic diffraction. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 1, art. no. 015003., Registrované v: WOS

50. [1.1] WINKLER, Martin Wolfgang. Cosmic ray antiprotons at high energies. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2017, no. 2, art. no. 048., Registrované v: WOS

51. [1.1] ZAKHAROV, B. G. Monte Carlo Glauber wounded nucleon model with meson cloud. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2017, vol. 124, no. 6, pp. 860-876., Registrované v: WOS

52. [1.1] ZAKHAROV, B. G. Monte Carlo Glauber model with meson cloud: predictions for 5.44 TeV Xe + Xe collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 5, art. no. 427., Registrované v: WOS

53. [1.1] ZAKHAROV, B. G. Multiplicity Density at Mid-Rapidity in AA Collisions: Effect of Meson Cloud. In JETP LETTERS. ISSN 0021-3640, 2016, vol. 104, no. 1, pp. 6-11., Registrované v: WOS

54. [1.1] ZHAO, J.X. - SHI, S.Z. - ZHUANG, P.F. Fully-heavy tetraquarks in a strongly interacting medium. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 1 2020, vol. 102, no. 11., Registrované v: WOS

ADCA369 AARON, F.D. - BRUNCKO, Dušan - FERENCEI, Jozef - MURÍN, Pavol - TOMASZ, Filip. Measurement of isolated photon production in deep-inelastic scattering at HERA. In *European Physical Journal C*, 2008, vol. 54, no. 3, p. 371-387. (2007: 3.255 - IF, Q2 - JCR, 1.463 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-008-0541-6>

Ohlasy:

1. [1.1] AURENCHE, P. - FONTANNAZ, M. Photon-jet cross sections in deep-inelastic scattering. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 2, art. no. 64., Registrované v: WOS

ADCA370 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of isolated-photon pair production in pp collisions at root s=7 TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2013, vol. 2013, no. 1, art. no. 086. (2012: 5.618 - IF, 1.475 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP01\(2013\)086](https://doi.org/10.1007/JHEP01(2013)086)

Ohlasy:

1. [1.1] CATANI, Stefano - CIERI, Leandro - DE FLORIAN, Daniel - FERRERA, Giancarlo - GRAZZINI, Massimiliano. Diphoton production at the LHC: a QCD study up to NNLO. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 4, art. no. 142., Registrované v: WOS

2. [1.1] DENNEN, Tristan - WILLIAMS, Ciaran. gamma gamma gamma gamma production at the LHC: An application of $2 > 4$ analytic unitarity. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 5, art. no. 054012., Registrované v: WOS

3. [1.1] EBERT, M.A. - TACKMANN, F.J. Impact of isolation and fiducial cuts on q(T) and N-jettiness subtractions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 26 2020, no. 3., Registrované v: WOS

4. [1.1] GAVELA, M.B. - NO, J.M. - SANZ, V. - DE TROCONIZ, J.F. Nonresonant Searches for Axionlike Particles at the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, FEB 6 2020, vol. 124, no. 5., Registrované v: WOS

5. [1.1] HOOK, A. - KUMAR, S. - LIU, Z. - SUNDRUM, R. High Quality QCD Axion and the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, JUN 1 2020, vol. 124, no. 22., Registrované v: WOS

6. [1.1] KAMENIK, J. F. - PEREZ, G. - SCHLAFFER, M. - WEILER, A. On the challenge of estimating diphoton backgrounds at large invariant mass. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 2, art. no. 126., Registrované v: WOS

7. [1.1] LEBIEDOWICZ, Piotr - LUSZCZAK, Marta - PASECHNIK, Roman - SZCZUREK, Antoni. Can the diphoton enhancement at 750 GeV be due to a neutral technipion? In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015023., Registrované v: WOS

8. [1.1] LIU, Wei - SUN, Hao - WANG, XiaoJuan - LUO, Xuan.
Probing the anomalous FCNC top-Higgs Yukawa couplings at the Large Hadron Electron Collider. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 074015., Registrované v: WOS
9. [1.1] MARIOTTI, Alberto - REDIGOLO, Diego - SALA, Filippo - TOBIOKA, Kohsaku. New LHC bound on low-mass diphoton resonances. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 13-18., Registrované v: WOS
10. [1.1] MODARRES, M. - NIK, R.A. - VALESHBADI, R.K. - HOSSEINKHANI, H. - OLANJ, N. A detailed study of the LHC and TEVATRON hadron-hadron prompt-photon pair production experiments in the angular ordering constraint k(t)-factorization approaches. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, OCT 2019, vol. 46, no. 10., Registrované v: WOS
11. [1.1] NEFEDOV, M. A. - SALEEV, V. A. Diphoton production at the Tevatron and the LHC in the NLO approximation of the parton Reggeization approach. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 094033., Registrované v: WOS
12. [1.1] VIDAL, X.C. - MARIOTTI, A. - REDIGOLO, D. - SALA, F. - TOBIOKA, K. New axion searches at flavor factories. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 14 2019, no. 1., Registrované v: WOS

ADCA371 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of jet fragmentation in Pb plus Pb and pp collisions at root S-NN=5.02 TeV with the ATLAS detector. In *Physical Review C*, 2018, vol. 98, no. 2, art. no. 024908. (2017: 3.304 - IF, Q2 - JCR, 1.443 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.98.024908>

Ohlasy:

1. [1.1] BISWAS, R. - CHOUDHURY, S. - PRASAD, S.K. - DAS, S. Study of jet-medium interactions using jet shape observables in heavy ion collisions at LHC energies with JEWEL. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, SEP 2019, vol. 46, no. 9., Registrované v: WOS
2. [1.1] BREWER, J. - MILHANO, J.G. - THALER, J. Sorting Out Quenched Jets. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, JUN 4 2019, vol. 122, no. 22., Registrované v: WOS
3. [1.1] QIU, J.W. - RINGER, F. - SATO, N. - ZURITA, P. Factorization of Jet Cross Sections in Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, JUN 24 2019, vol. 122, no. 25., Registrované v: WOS
4. [1.1] SIEVERT, Matthew D. - VITEV, Ivan. Quark branching in QCD matter to any order in opacity beyond the soft gluon emission limit. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 094010., Registrované v: WOS

ADCA372 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of jet

fragmentation in Pb plus Pb and pp collisions at root $s(NN)=2.76$ TeV with the ATLAS detector at the LHC. In *European Physical Journal C*, 2017, vol. 77, no. 6, art. no. 379. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-017-4915-5>

Ohlasy:

1. [1.1] BISWAS, R. - CHOUDHURY, S. - PRASAD, S.K. - DAS, S. Study of jet-medium interactions using jet shape observables in heavy ion collisions at LHC energies with JEWEL. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*. ISSN 0954-3899, SEP 2019, vol. 46, no. 9., Registrované v: WOS
2. [1.1] BREWER, Jasmine - RAJAGOPAL, Krishna - SADOBYEV, Andrey - VAN DER SCHEE, Wilke. Evolution of the mean jet shape and dijet asymmetry distribution of an ensemble of holographic jets in strongly coupled plasma. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2018, no. 2, art. no. 015., Registrované v: WOS
3. [1.1] CASALDERREY-SOLANA, J. - HULCHER, Z. - MILHANO, G. - PABLOS, D. - RAJAGOPAL, K. Simultaneous description of hadron and jet suppression in heavy-ion collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, MAY 22 2019, vol. 99, no. 5., Registrované v: WOS
4. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS
5. [1.1] ELVIRA, V. Daniel. Impact of detector simulation in particle physics collider experiments. In *PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS*. ISSN 0370-1573, 2017, vol. 695, pp. 1-54., Registrované v: WOS
6. [1.1] HULCHER, Zachary - PABLOS, Daniel - RAJAGOPAL, Krishna. Resolution effects in the hybrid strong/weak coupling model. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2018, no. 3, art. no. 010., Registrované v: WOS
7. [1.1] LUO, Tan - CAO, Shanshan - HE, Yayun - WANG, Xin-Nian. Multiple jets and gamma-jet correlation in high-energy heavy-ion collisions. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2018, vol. 782, pp. 707-716., Registrované v: WOS
8. [1.1] MEHTAR-TANI, Yacine - TYWONIUK, Konrad. Sudakov suppression of jets in QCD media. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 051501., Registrované v: WOS

ADCA373 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of jet fragmentation in 5.02 TeV proton-lead and proton-proton collisions with the ATLAS detector. In *Nuclear Physics A*, 2018, vol. 978, p. 65-106. (2017: 1.992 - IF, Q2 - JCR, 0.938 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0375-9474. Dostupné na: <https://doi.org/10.1016/j.nuclphysa.2018.07.006>

Ohlasy:

1. [1.1] KANG, Z.B. - LEE, K. - TERRY, J. - XING, H.X. Jet fragmentation functions for Z-tagged jets. In *PHYSICS LETTERS B*. ISSN 0370-2693, NOV 10 2019, vol. 798., Registrované v: WOS

2. [1.1] KANG, Z.B. - LEE, K. - ZHAO, F.Y. Polarized jet fragmentation functions. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS
3. [1.1] KAUFMANN, T. - LIU, X.H. - MUKHERJEE, A. - RINGER, F. - VOGELSANG, W. Hadron-in-jet production at partonic threshold. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 5 2020, no. 2., Registrované v: WOS

ADCA374 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of jet charge in dijet events from $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. In *Physical Review D*, 2016, vol. 93, no. 5, art. no. 052003. (2015: 4.506 - IF, Q2 - JCR, 2.236 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.93.052003>

Ohlasy:

1. [1.1] KANG, Z.B. - LIU, X.H. - MANTRY, S. - SHAO, D.Y. Jet Charge: A Flavor Prism for Spin Asymmetries at the Electron-Ion Collider. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, DEC 8 2020, vol. 125, no. 24., Registrované v: WOS
2. [1.1] KOMISKE, Patrick T. - METODIEV, Eric M. - THALER, Jesse. Energy flow polynomials: a complete linear basis for jet substructure. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 4, art. no. 013., Registrované v: WOS
3. [1.1] LIU, X.H. - RINGER, F. - VOGELSANG, W. - YUAN, F. Factorization and its breaking in dijet single transverse spin asymmetries in pp collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 7 2020, vol. 102, no. 11., Registrované v: WOS
4. [1.1] SAKAKI, Y. Quark jet rates and quark-gluon discrimination in multijet final states. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 18 2019, vol. 99, no. 11., Registrované v: WOS
5. [1.1] TRIPATHEE, Aashish - XUE, Wei - LARKOSKI, Andrew - MARZANI, Simone - THALER, Jesse. Jet substructure studies with CMS open data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074003., Registrované v: WOS

ADCA375 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of jet $p(T)$ correlations in Pb+Pb and pp collisions at $\sqrt{s(NN)}=2.76$ TeV with the ATLAS detector. In *Physics Letters B*, 2017, vol. 774, p. 379-342. (2016: 4.807 - IF, Q1 - JCR, 3.032 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2017.09.078>

Ohlasy:

1. [1.1] BALL, R.D. - NOCERA, E.R. - PEARSON, R.L. Nuclear uncertainties in the determination of proton PDFs: NNPDF Collaboration. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS
2. [1.1] BREWER, Jasmine - RAJAGOPAL, Krishna - SADOFYEV, Andrey - VAN DER SCHEE, Wilke. Evolution of the mean jet shape and dijet

asymmetry distribution of an ensemble of holographic jets in strongly coupled plasma. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 015., Registrované v: WOS

3. [1.1] BREWER, J. - MILHANO, J.G. - THALER, J. Sorting Out Quenched Jets. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, JUN 4 2019, vol. 122, no. 22., Registrované v: WOS

4. [1.1] BRIVIO, I. - TROTT, M. The standard model as an effective field theory. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, FEB 27 2019, vol. 793, p. 1-98., Registrované v: WOS

5. [1.1] CICI, Ali - KIRCA, Zerrin - UN, Cem Salih. Light stops and fine-tuning in MSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 1, art. no. 60., Registrované v: WOS

6. [1.1] ELAHI, F. - MARTIN, A. LHC constraints on a (B-L)(3) gauge boson. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 19 2019, vol. 100, no. 3., Registrované v: WOS

7. [1.1] HULCHER, Zachary - PABLOS, Daniel - RAJAGOPAL, Krishna. Resolution effects in the hybrid strong/weak coupling model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 010., Registrované v: WOS

8. [1.1] CHAUDHRY, H.A. - MITOV, A. Ambiguities of the principle of maximum conformality procedure for hadron collider processes. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS

ADCA376 ADAM, J. - ADAMOVIĆ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Measurement of jet quenching with semi-inclusive hadron-jet distributions in central Pb-Pb collisions at root s(NN)=2.76 TeV. In *Journal of High Energy Physics*, 2015, no. 9, art. no. 170. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP09\(2015\)170](https://doi.org/10.1007/JHEP09(2015)170)

Ohlasy:

1. [1.1] BREWER, Jasmine - RAJAGOPAL, Krishna - SADOBYEV, Andrey - VAN DER SCHEE, Wilke. Evolution of the mean jet shape and dijet asymmetry distribution of an ensemble of holographic jets in strongly coupled plasma. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 015., Registrované v: WOS

2. [1.1] CASALDERRY-SOLANA, Jorge - GULHAN, Doga Can - MILHANO, Jose Guilherme - PABLOS, Daniel - RAJAGOPAL, Krishna. Angular structure of jet quenching within a hybrid strong/weak coupling model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 135., Registrované v: WOS

3. [1.1] EDMONDS, Terrence - LI, Qingfeng - WANG, Fuqiang. Collisional broadening of angular correlations in a multiphase transport model. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 966, pp. 124-134., Registrované v: WOS

4. [1.1] HULCHER, Zachary - PABLOS, Daniel - RAJAGOPAL, Krishna. Resolution effects in the hybrid strong/weak coupling model. In

JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 010., Registrované v: WOS

5. [1.1] CHANG, Ning-Bo - CAO, Shanshan - QIN, Guang-You. Probing medium-induced jet splitting and energy loss in heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 781, pp. 423-432., Registrované v: WOS

6. [1.1] JIA, J.Y. - WEI, S.Y. - XIAO, B.W. - YUAN, F. Medium-induced transverse momentum broadening via forward dijet correlations. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 12 2020, vol. 101, no. 9., Registrované v: WOS

7. [1.1] LIU, Xiaohui - RINGER, Felix - VOGELSANG, Werner - YUAN, Feng. Lepton-Jet Correlations in Deep Inelastic Scattering at the Electron-Ion Collider. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 19., Registrované v: WOS

8. [1.1] LI, Hai Tao - VITEV, Ivan. Inverting the mass hierarchy of jet quenching effects with prompt b-jet substructure. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 793, pp. 259-264., Registrované v: WOS

9. [1.1] QIU, Jian-Wei - RINGER, Felix - SATO, Nobuo - ZURITA, Pia. Factorization of Jet Cross Sections in Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 25., Registrované v: WOS

10. [1.1] TAN ZHIGUANG - MO YUNFEI. Phase transition between a hadrons system and QGP from entropy evolution. In RESULTS IN PHYSICS. ISSN 2211-3797, 2019, vol. 15., Registrované v: WOS

11. [1.1] VAN HAMEREN, A. - KUTAK, K. - PLACZEK, W. - ROHRMOSER, M. - TYWONIUK, K. Jet quenching and effects of non-Gaussian transverse-momentum broadening on dijet observables. In PHYSICAL REVIEW C. ISSN 0556-2813, OCT 21 2020, vol. 102, no. 4., Registrované v: WOS

12. [1.1] WANG, Fuqiang. Recent hard probe measurements from STAR. In XLVI INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2016). ISSN 2100-014X, 2017, vol. 141, art. no. 04002., Registrované v: WOS

ADCA377 ACHARYA, S. - ADAMOVÁ, D. - ADHYA, S.P. - ADLER, A. - ADOLFSSON, J. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Measurement of jet radial profiles in Pb-Pb collisions at root s(NN)=2.76 TeV. In *Physics Letters B*, 2019, vol. 796, p. 204-219. (2018: 4.162 - IF, Q2 - JCR, 1.806 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2019.07.020>

Ohlasy:

1. [1.1] DORAU, P. - ROSE, J.B. - PABLOS, D. - ELFNER, H. Jet quenching in the hadron gas: An exploratory study. In PHYSICAL REVIEW C. ISSN 2469-9985, MAR 19 2020, vol. 101, no. 3., Registrované v: WOS

2. [1.1] KARPENKO, I. - AICHELIN, J. - GOSSIAUX, P. - ROHRMOSER, M. - WERNER, K. Jet overlap in heavy ion collisions at energies available at the CERN Large Hadron Collider and its consequences for the jet shape. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 9 2020, vol. 101, no. 1., Registrované v: WOS

ADCA378 AAD, G. - ABAJYAN, T. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of jet shapes in top-quark pair events at $\sqrt{s}=7$ TeV using the ATLAS detector. In *European Physical Journal C*, 2013, vol. 73, no. 12, art. no. 2676. (2012: 5.247 - IF, Q1 - JCR, 3.034 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-013-2676-3>

Ohlasy:

1. [1.1] BROOKS, H. - SKANDS, P. Coherent showers in decays of colored resonances. In *PHYSICAL REVIEW D*. ISSN 2470-0010, OCT 11 2019, vol. 100, no. 7., Registrované v: WOS
2. [1.1] TRIPATHEE, Aashish - XUE, Wei - LARKOSKI, Andrew - MARZANI, Simone - THALER, Jesse. Jet substructure studies with CMS open data. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074003., Registrované v: WOS

ADCA379 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Measurement of jet suppression in central Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV. In *Physics Letters B*, 2015, vol. 746, p. 1-14. (2014: 6.131 - IF, Q1 - JCR, 3.562 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2015.04.039>

Ohlasy:

1. [1.1] BEDNYAKOV, V. A. - RUSSAKOVICH, N. A. The Joint Institute for Nuclear Research in Experimental Physics of Elementary Particles. In *PHYSICS OF PARTICLES AND NUCLEI*. ISSN 1063-7796, 2018, vol. 49, no. 3, pp. 331-373., Registrované v: WOS
2. [1.1] BREWER, Jasmine - MILHANO, Jose Guilherme - THALER, Jesse. Sorting Out Quenched Jets. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 122, no. 22., Registrované v: WOS
3. [1.1] BREWER, Jasmine - RAJAGOPAL, Krishna - SADOBYEV, Andrey - VAN DER SCHEE, Wilke. Evolution of the mean jet shape and dijet asymmetry distribution of an ensemble of holographic jets in strongly coupled plasma. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2018, no. 2, art. no. 015., Registrované v: WOS
4. [1.1] CASALDERREY-SOLANA, Jorge - PABLOS, Daniel - TYWONIUK, Konrad. Two-gluon emission and interference in a thin QCD medium: insights into jet formation. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2016, no. 11, art. no. 174., Registrované v: WOS
5. [1.1] CASALDERREY-SOLANA, Jorge - GULHAN, Doga Can - MILHANO, Jose Guilherme - PABLOS, Daniel - RAJAGOPAL, Krishna. Predictions for boson-jet observables and fragmentation function ratios from a hybrid strong/weak coupling model for jet quenching. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2016, no. 3, art. no. 053., Registrované v: WOS
6. [1.1] CASALDERREY-SOLANA, Jorge - GULHAN, Doga Can - MILHANO, Jose Guilherme - PABLOS, Daniel - RAJAGOPAL, Krishna. Angular structure of jet quenching within a hybrid strong/weak coupling model.

In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 135., Registrované v: WOS

7. [1.1] CORCIONE, C. Esposito - MANNO, R. - FRIGIONE, M. Sunlight-curable boehmite/siloxane-modified methacrylic based nanocomposites as insulating coatings for stone substrates. In PROGRESS IN ORGANIC COATINGS. ISSN 0300-9440, 2016, vol. 95, pp. 107-119., Registrované v: WOS

8. [1.1] HULCHER, Zachary - PABLOS, Daniel - RAJAGOPAL, Krishna. Resolution effects in the hybrid strong/weak coupling model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 010., Registrované v: WOS

9. [1.1] CHEN, Yi. Jet Substructure through Splitting Functions And Mass in pp and PbPb collisions at 5.02 TeV with CMS. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 512-515., Registrované v: WOS

10. [1.1] CHIEN, Yang-Ting - VITEV, Ivan. Towards the understanding of jet shapes and cross sections in heavy ion collisions using soft-collinear effective theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, vol., no. 5, art. no. 023., Registrované v: WOS

11. [1.1] CHIEN, Yang-Ting - VITEV, Ivan. Probing the Hardest Branching within Jets in Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 11, art. no. 112301., Registrované v: WOS

12. [1.1] CHIEN, Yang-Ting - VITEV, Ivan. Probing the Hardest Branching within Jets in Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 11, art. no. 112301., Registrované v: WOS

13. [1.1] KANG, Zhong-Bo - RINGER, Felix - VITEV, Ivan. The semi-inclusive jet function in SCET and small radius resummation for inclusive jet production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 10, art. no. 125., Registrované v: WOS

14. [1.1] KARPENKO, I. - AICHELIN, J. - GOSSIAUX, P. - ROHRMOSER, M. - WERNER, K. Jet overlap in heavy ion collisions at energies available at the CERN Large Hadron Collider and its consequences for the jet shape. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 9 2020, vol. 101, no. 1., Registrované v: WOS

15. [1.1] KOVARIK, K. - NADOLSKY, P.M. - SOPER, D.E. Hadronic structure in high-energy collisions. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, NOV 4 2020, vol. 92, no. 4., Registrované v: WOS

16. [1.1] LARKOSKI, A.J. - MOULT, I. - NACHMAN, B. Jet substructure at the Large Hadron Collider: A review of recent advances in theory and machine learning. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, JAN 27 2020, vol. 841, p. 1-63., Registrované v: WOS

17. [1.1] LI, Hai Tao - VITEV, Ivan. Inverting the mass hierarchy of jet quenching effects with prompt b-jet substructure. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 793, pp. 259-264., Registrované v: WOS

18. [1.1] MATTHEW NGUYEN. Experimental review of jets and charged hadrons. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 160-167., Registrované v: WOS

19. [1.1] MILHANO, Jose Guilherme - ZAPP, Korinna Christine. Origins

of the di-jet asymmetry in heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 288., Registrované v: WOS

20. [1.1] QIU, Jian-Wei - RINGER, Felix - SATO, Nobuo - ZURITA, Pia. Factorization of Jet Cross Sections in Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 25., Registrované v: WOS

21. [1.1] RAJAGOPAL, Krishna - SADOBYEV, Andrey V. - VAN DER SCHEE, Wilke. Evolution of the Jet Opening Angle Distribution in Holographic Plasma. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 21, art. no. 211603., Registrované v: WOS

22. [1.1] SENZEL, F. - UPHOFF, J. - XU, Z. - GREINER, C. The different energy loss mechanisms of inclusive and b-tagged reconstructed jets within ultra-relativistic heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 773, pp. 620-624., Registrované v: WOS

23. [1.1] SENZEL, F. - XU, Z. - GREINER, C. Studies of the difference between light and heavy flavor energy loss by reconstructed jets. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 225-228., Registrované v: WOS

24. [1.1] TACHIBANA, Yasuki - HIRANO, Tetsufumi. Interplay between Mach cone and radial expansion and its signal in gamma-jet events. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 5, art. no. 054907., Registrované v: WOS

25. [1.1] TACHIBANA, Yasuki - CHANG, Ning-Bo - QIN, Guang-You. Full jet in quark-gluon plasma with hydrodynamic medium response. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 4, art. no. 044909., Registrované v: WOS

26. [1.1] XING, W.J. - CAO, S.S. - QIN, G.Y. - XING, H.X. Flavor hierarchy of jet quenching in relativistic heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, JUN 10 2020, vol. 805., Registrované v: WOS

27. [1.1] ZHANG, Le - HOU, De-Fu - QIN, Guang-You. Medium-induced gluon emission via transverse and longitudinal scattering in dense nuclear matter. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034913., Registrované v: WOS

28. [1.1] ZHANG, Le - HOU, De-Fu - QIN, Guang-You. Gluon emission from heavy quarks in dense nuclear matter. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 3., Registrované v: WOS

ADCA380 AABOUD, M. - AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of jet-substructure observables in top quark, W boson and light jet production in proton-proton collisions at root s=13 TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2019, no. 8, art. no. 033. (2018: 5.833 - IF, Q1 - JCR, 1.016 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP08\(2019\)033](https://doi.org/10.1007/JHEP08(2019)033)

Ohlasy:

1. [1.1] STEGGEMANN, J. Extended Scalar Sectors. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 197-223., Registrované v: WOS

ADCA381 AABOUD, M. - AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABELING, K. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of J/psi production in association with a W-+/- boson with pp data at 8 TeV. In *Journal of High Energy Physics*, 2020, no. 1, art. no. 095. (2019: 5.875 - IF, Q1 - JCR, 0.948 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP01\(2020\)095](https://doi.org/10.1007/JHEP01(2020)095)

Ohlasy:

1. [1.1] CARZON, P. - RAO, S. - LUZUM, M. - SIEVERT, M. - NORONHA-HOSTLER, J. Possible octupole deformation of Pb-208 and the ultracentral v(2) to v(3) puzzle. In *PHYSICAL REVIEW C*. ISSN 2469-9985, NOV 9 2020, vol. 102, no. 5., Registrované v: WOS
2. [1.1] GARDIM, F.G. - GIACALONE, G. - OLLITRAULT, J.Y. The mean transverse momentum of ultracentral heavy-ion collisions: A new probe of hydrodynamics. In *PHYSICS LETTERS B*. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS
3. [1.1] GIACALONE, G. Constraining the quadrupole deformation of atomic nuclei with relativistic nuclear collisions. In *PHYSICAL REVIEW C*. ISSN 0556-2813, AUG 3 2020, vol. 102, no. 2., Registrované v: WOS
4. [1.1] GIACALONE, G. Turning up and down strong magnetic fields in relativistic nuclear collisions. In *PHYSICS LETTERS B*. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS
5. [1.1] MORDASINI, C. - BILANDZIC, A. - KARAKOC, D. - TAGHAVI, S.F. Higher order symmetric cumulants. In *PHYSICAL REVIEW C*. ISSN 0556-2813, AUG 12 2020, vol. 102, no. 2., Registrované v: WOS
6. [1.1] SHAO, H.S. Probing impact-parameter dependent nuclear parton densities from double parton scatterings in heavy-ion collisions. In *PHYSICAL REVIEW D*. ISSN 2470-0010, MAR 26 2020, vol. 101, no. 5., Registrované v: WOS

ADCA382 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - ABED ABUD, A. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of K-S(0) and Lambda(0) production in tt dileptonic events in pp collisions at root s=7 TeV with the ATLAS detector. In *European Physical Journal C*, 2019, vol. 79, no. 12, art. no. 1017. (2018: 4.843 - IF, Q1 - JCR, 1.972 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-019-7512-y>

Ohlasy:

1. [1.1] DUNCAN, C.B. - SKANDS, P. Fragmentation of two repelling Lund strings. In *SCIPOST PHYSICS*. ISSN 2542-4653, MAY 2020, vol. 8, no. 5., Registrované v: WOS
2. [1.1] HUNT-SMITH, N. - SKANDS, P. String fragmentation with a time-dependent tension. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, NOV 2020, vol. 80, no. 11., Registrované v: WOS

ADCA383 AARON, F.D. - BRUNCKO, Dušan - FERENCÉI, Jozef - MURÍN, Pavol - TOMASZ, Filip. Measurement of leading neutron production in deep-inelastic scattering at HERA. In *European Physical Journal C*, 2010, vol. 68, no. 3-4, p.

381-399. (2009: 2.746 - IF, Q2 - JCR, 1.859 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-010-1369-4>

Ohlasy:

1. [1.1] KOPELIOVICH, B. Z. - POTASHNIKOVA, I. K. - SCHMIDT, Ivan - PIRNER, H. J. - REYGERS, K. Pion-pion cross section from proton-proton collisions at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 054030., Registrované v: WOS
2. [1.1] LOU LI-YANG - RUAN JIAN-HONG. A New Research about Pion Parton Distribution Function. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2015, vol. 32, no. 5, art. no. 051201., Registrované v: WOS
3. [1.1] NEMATOLLAHI, H. - YAZDANPANAH, M. M. Parton densities and structure functions of nucleons and light nuclei based on the modified chiral quark-exchange model. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 1, art. no. 015209., Registrované v: WOS

ADCA384 ADLOFF, C. - BRUNCKO, Dušan - FERENCEI, Jozef - KURČA, Tibor - MARÁČEK, Richard - MURÍN, Pavol. Measurement of leading proton and neutron production in deep-inelastic scattering at HERA. In *European Physical Journal C*, 1999, vol. 6, no. 4, p. 587-602. (1998: 3.142 - IF, Current Contents - CCC). (1999 - Current Contents, WOS, SCOPUS). ISSN 1434-6044.

Ohlasy:

1. [1.1] GUERRERO, J. V. - ETHIER, J. J. - ACCARDI, A. - CASPER, S. W. - MELNITCHOUK, W. Hadron mass corrections in semi-inclusive deep-inelastic scattering. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art. no. 169., Registrované v: WOS

ADCA385 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Measurement of lepton differential distributions and the top quark mass in tt production in pp collisions at $\sqrt{s}=8\text{TeV}$ with the ATLAS detector. In *European Physical Journal C*, 2017, vol. 77, no. 11, art. no. 804. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-017-5349-9>

Ohlasy:

1. [1.1] BROOKS, H. - SKANDS, P. Coherent showers in decays of colored resonances. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 11 2019, vol. 100, no. 7., Registrované v: WOS
2. [1.1] FORTE, S. - LEVY, A. - RIDOLFI, G. From My Vast Repertoire ... Guido Altarelli's Legacy Preface. In FROM MY VAST REPERTOIRE ... : GUIDO ALTARELLI'S LEGACY. 2019, p. V-+., Registrované v: WOS
3. [1.1] HOANG, A.H. What Is the Top Quark Mass?. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 225-255., Registrované v: WOS
4. [1.1] JU, W.L. - WANG, G.X. - WANG, X. - XU, X.F. - XU, Y.Q. - YANG, L.L. Top quark pair production near threshold: single/double distributions and mass determination. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 25 2020, no. 6., Registrované v: WOS
5. [1.1] RAVASIO, Silvia Ferrario - JEZO, Tomas - NASON, Paolo -

OLEARI, Carlo. A theoretical study of top-mass measurements at the LHC using NLO plus PS generators of increasing accuracy. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 458., Registrované v: WOS

ADCA386 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of longitudinal flow decorrelations in Pb plus Pb collisions at root $s(NN)=2.76$ and 5.02 TeV with the ATLAS detector. In *European Physical Journal C*, 2018, vol. 78, no. 2, art. no. 142. (2017: 5.172 - IF, Q1 - JCR, 2.022 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-018-5605-7>

Ohlasy:

1. [1.1] BOZEK, Piotr - BRONIOWSKI, Wojciech. Longitudinal decorrelation measures of flow magnitude and event-plane angles in ultrarelativistic nuclear collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034913., Registrované v: WOS
2. [1.1] BOZEK, Piotr. Angle and magnitude decorrelation in the factorization breaking of collective flow. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 6, art. no. 064906., Registrované v: WOS
3. [1.1] BOZEK, P. - BRONIOWSKI, W. New measures of longitudinal decorrelation of harmonic flow. In NUCLEAR PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 335-338., Registrované v: WOS
4. [1.1] HE, Y.C. - LIN, Z.W. Particle productions and anisotropic flows from the AMPT model for Cu plus Au collisions at root $s(NN)=200$ GeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, APR 27 2020, vol. 56, no. 4., Registrované v: WOS
5. [1.1] CHATTOPADHYAY, Chandrodoy - BHALERAO, Rajeev S. - OLLITRAULT, Jean-Yves - PAL, Subrata. Effects of initial-state dynamics on collective flow within a coupled transport and viscous hydrodynamic approach. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034915., Registrované v: WOS
6. [1.1] NIGMATKULOV, G. STAR Highlights and Future. In 4TH INTERNATIONAL CONFERENCE ON PARTICLE PHYSICS AND ASTROPHYSICS (ICPPA-2018). ISSN 1742-6588, 2019, vol. 1390., Registrované v: WOS
7. [1.1] PANG, Long-Gang - PETERSEN, Hannah - WANG, Xin-Nian. Pseudorapidity distribution and decorrelation of anisotropic flow within the open-computing-language implementation CLVisc hydrodynamics. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 6, art. no. 064918., Registrované v: WOS
8. [1.1] SAKAI, A. - MURASE, K. - HIRANO, T. Rapidity decorrelation of anisotropic flow caused by hydrodynamic fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, DEC 2 2020, vol. 102, no. 6., Registrované v: WOS
9. [1.1] WEI, D.X. Transverse momentum dependent decorrelation in Pb-Pb collisions at LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, AUG 2020, vol. 29, no. 8., Registrované v: WOS

ADCA387 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of long-range multiparticle azimuthal correlations with the subevent cumulant method in pp and p plus Pb collisions with the ATLAS detector at the CERN Large Hadron Collider. In *Physical Review C*, 2018, vol. 97, no. 2, art. no. 024904. (2017: 3.304 - IF, Q2 - JCR, 1.443 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.97.024904>

Ohlasy:

1. [1.1] AGOSTINI, P. - ALTINOLUK, T. - ARMESTO, N. Effect of non-eikonal corrections on azimuthal asymmetries in the color glass condensate. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, SEP 2019, vol. 79, no. 9., Registrované v: WOS
2. [1.1] AGOSTINI, P. - ALTINOLUK, T. - ARMESTO, N. Non-eikonal corrections to multi-particle production in the color glass condensate. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, JUL 16 2019, vol. 79, no. 7., Registrované v: WOS
3. [1.1] ALBA, P. - SARTI, V. Mantovani - NORONHA, J. - NORONHA-HOSTLER, J. - PAROTTO, P. - VAZQUEZ, I. Portillo - RATTI, C. Effect of the QCD equation of state and strange hadronic resonances on multiparticle correlations in heavy ion collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034909., Registrované v: WOS
4. [1.1] ALTINOLUK, Tolga - ARMESTO, Nestor - KOVNER, Alex - LUBLINSKY, Michael. Double and triple inclusive gluon production at mid rapidity: quantum interference in p-A scattering. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 702., Registrované v: WOS
5. [1.1] ALTINOLUK, Tolga - ARMESTO, Nestor - WERTEPNY, Douglas E. Correlations and the ridge in the Color Glass Condensate beyond the glasma graph approximation. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2018, no. 5, art. no. 207., Registrované v: WOS
6. [1.1] BOER, Daniel - VAN DAAL, Tom - MULDER, Piet J. - PETRESKA, Elena. Directed flow from C-odd gluon correlations at small x. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2018, no. 7, art. no. 140., Registrované v: WOS
7. [1.1] BZDAK, Adam - MA, Guo-Liang. A remark on the sign change of the four-particle azimuthal cumulant in small systems. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2018, vol. 781, pp. 117-121., Registrované v: WOS
8. [1.1] KATZ, R. - PRADO, C.A.G. - NORONHA-HOSTLER, J. - SUAIDE, A.A.P. System-size scan of D meson R-AA and v(n) using PbPb, XeXe, ArAr, and OO collisions at energies available at the CERN Large Hadron Collider. In *PHYSICAL REVIEW C*. ISSN 0556-2813, OCT 1 2020, vol. 102, no. 4., Registrované v: WOS
9. [1.1] KOVNER, Alex - REZAEIAN, Amir H. Multiquark production in p plus A collisions: Quantum interference effects. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 074008., Registrované v: WOS
10. [1.1] KURKELA, A. - MAZELIAUSKAS, A. Chemical Equilibration in Hadronic Collisions. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, APR 10 2019, vol. 122, no. 14., Registrované v: WOS

11. [1.1] LI, G.L. - YANG, C.B. Azimuthal correlations of particles in a non-central rapidity region in high energy heavy ion collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, MAR 2019, vol. 46, no. 3., Registrované v: WOS
12. [1.1] MOGLIACCI, S. - KOLBE, I. - HOROWITZ, W.A. Geometrically confined thermal field theory: Finite size corrections and phase transitions. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 23 2020, vol. 102, no. 11., Registrované v: WOS
13. [1.1] SIEVERT, M. - NORONHA-HOSTLER, J. CERN Large Hadron Collider system size scan predictions for PbPb, XeXe, ArAr, and OO with relativistic hydrodynamics. In PHYSICAL REVIEW C. ISSN 2469-9985, AUG 2 2019, vol. 100, no. 2., Registrované v: WOS
14. [1.1] ZHAO, W.B. - ZHOU, Y. - MURASE, K. - SONG, H.C. Searching for small droplets of hydrodynamic fluid in proton-proton collisions at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 12 2020, vol. 80, no. 9., Registrované v: WOS

ADCA388 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of long-range pseudorapidity correlations and azimuthal harmonics in root s(NN)=5.02 TeV proton-lead collisions with the ATLAS detector. In *Physical Review C. Nuclear physics*, 2014, vol. 90, no. 4, art. no. 044906. (2013: 3.881 - IF, Q1 - JCR, 2.584 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.90.044906>

Ohlasy:

1. [1.1] BOZEK, Piotr - BRONIOWSKI, Wojciech. Longitudinal decorrelation measures of flow magnitude and event-plane angles in ultrarelativistic nuclear collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034913., Registrované v: WOS
2. [1.1] BOZEK, Piotr. Angle and magnitude decorrelation in the factorization breaking of collective flow. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 6, art. no. 064906., Registrované v: WOS
3. [1.1] BRAVINA, L. V. - FOTINA, E. S. - KOROTKIKH, V. L. - LOKHTIN, I. P. - MALININA, L. V. - NAZAROVA, E. N. - PETRUSHANKO, S. V. - SNIGIREV, A. M. - ZABRODIN, E. E. Anisotropic flow fluctuations in hydro-inspired freeze-out model for relativistic heavy ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 12, art. no. 588., Registrované v: WOS
4. [1.1] CONNORS, Megan - NATTRASS, Christine - REED, Rosi - SALUR, Sevil. Jet measurements in heavy ion physics. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2018, vol. 90, no. 2, art. no. 025005., Registrované v: WOS
5. [1.1] DOMINE, Laura - GIACALONE, Giuliano - LORCE, Cedric - MUNIER, Stephane - PEKAR, Simon. Gluon density fluctuations in dilute hadrons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 114032., Registrované v: WOS
6. [1.1] DUMITRU, Adrian - LAPPI, Tuomas - SKOKOV, Vladimir. Distribution of Linearly Polarized Gluons and Elliptic Azimuthal Anisotropy in Deep Inelastic Scattering Dijet Production at High Energy. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 25, art. no. 252301.,

Registrované v: WOS

7. [1.1] DUMITRU, Adrian - MCLERRAN, Larry - SKOKOV, Vladimir. Azimuthal asymmetries and the emergence of "collectivity" from multi-particle correlations in high-energy pA collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 743, pp. 134-137., Registrované v: WOS
8. [1.1] DUSLING, Kevin - MACE, Mark - VENUGOPALAN, Raju. Parton model description of multiparticle azimuthal correlations in pA collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 016014., Registrované v: WOS
9. [1.1] ESPOSITO, Angelo - GYULASSY, Miklos. Hadronization scheme dependence of long-range azimuthal harmonics in high energy p plus A reactions. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 433-440., Registrované v: WOS
10. [1.1] GOTSMAN, E. - LEVIN, E. Azimuthal angle correlations at large rapidities: revisiting density variation mechanism. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 11, art. no. 773., Registrované v: WOS
11. [1.1] GOTSMAN, E. - LEVIN, E. - POTASHNIKOVA, I. A. CGC/saturation approach for angular correlations in proton-proton scattering. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 632., Registrované v: WOS
12. [1.1] GOTSMAN, E. - LEVIN, E. CGC/saturation approach: re-visiting the problem of odd harmonics in angular correlations. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 792., Registrované v: WOS
13. [1.1] HAGIWARA, Yoshikazu - HATTA, Yoshitaka - XIAO, Bo-Wen - YUAN, Feng. Elliptic flow in small systems due to elliptic gluon distributions? In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 771, pp. 374-378., Registrované v: WOS
14. [1.1] IANCU, Edmond - REZAEIAN, Amir H. Elliptic flow from color-dipole orientation in pp and pA collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 094003., Registrované v: WOS
15. [1.1] KE, Weiyao - MORELAND, J. Scott - BERNHARD, Jonah E. - BASS, Steffen A. Constraints on rapidity-dependent initial conditions from charged-particle pseudorapidity densities and two-particle correlations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 4, art. no. 044912., Registrované v: WOS
16. [1.1] KOVCHegov, Yuri - SKOKOV, Vladimir V. How classical gluon fields generate odd azimuthal harmonics for the two-gluon correlation function in high-energy collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 094021., Registrované v: WOS
17. [1.1] KOVNER, Alex - LUBLINSKY, Michael - SKOKOV, Vladimir. Exploring correlations in the CGC wave function: Odd azimuthal anisotropy. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 016010., Registrované v: WOS
18. [1.1] LAPPI, T. Azimuthal harmonics of color fields in a high energy nucleus. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 744, pp. 315-319., Registrované v: WOS
19. [1.1] MANTYSAARI, Heikki - SCHENKE, Bjorn - SHEN, Chun - TRIBEDY, Prithwish. Imprints of fluctuating proton shapes on flow in

- proton-lead collisions at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 772, pp. 681-686., Registrované v: WOS
20. [1.1] NAGLE, James L. - ZAJC, William A. Small System Collectivity in Relativistic Hadronic and Nuclear Collisions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 68. ISSN 0163-8998, 2018, vol. 68, pp. 211-235., Registrované v: WOS
21. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS
22. [1.1] NATTRASS, Christine. Jets in heavy ion collisions. In WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS (HOT QUARKS 2016). ISSN 1742-6588, 2017, vol. 832, art. no. UNSP 012001., Registrované v: WOS
23. [1.1] OEZOENDER, Sener. Triple-gluon and quadruple-gluon azimuthal correlations from glasma and higher-dimensional ridges. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 034005., Registrované v: WOS
24. [1.1] OZONDER, Sener. Cumulant expansion in gluon saturation and five- and six-gluon azimuthal correlations. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074005., Registrované v: WOS
25. [1.1] OZONDER, Sener. Predictions on three-particle azimuthal correlations in proton proton collisions. In TURKISH JOURNAL OF PHYSICS. ISSN 1300-0101, 2018, vol. 42, no. 1, pp. 78-83., Registrované v: WOS
26. [1.1] ROGLY, Rudolph - GIACALONE, Giuliano - OLLITRAULT, Jean-Yves. Reconstructing the impact parameter of proton-nucleus and nucleus-nucleus collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 024902., Registrované v: WOS
27. [1.1] ROMATSCHKE, Paul. Azimuthal anisotropies at high momentum from purely non-hydrodynamic transport. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 8, art. no. 636., Registrované v: WOS
28. [1.1] SAKAGUCHI, Takao. Leading Hadron Production in d+Au and He-3+Au collisions in the PHENIX experiment. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 297-300., Registrované v: WOS
29. [1.1] SCHENKE, Bjoern - SCHLICHTING, Soeren - VENUGOPALAN, Raju. Azimuthal anisotropies in p plus Pb collisions from classical Yang-Mills dynamics. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 76-82., Registrované v: WOS
30. [1.1] STRICKLAND, M. Small system studies: A theory overview. In NUCLEAR PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 92-98., Registrované v: WOS
31. [1.1] WELLER, Ryan D. - ROMATSCHKE, Paul. One fluid to rule them all: Viscous hydrodynamic description of event-by-event central p plus p, p plus Pb and Pb plus Pb collisions at $\sqrt{s}=5.02$ TeV. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 774, pp. 351-356., Registrované v: WOS
32. [1.1] YAN, Li. Plane correlations in small colliding systems. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 6, art. no. 064909.,

Registrované v: WOS

33. [1.1] YI, L. Study of Small Colliding Systems. In NUCLEAR PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 85-91., Registrované v: WOS

34. [1.1] ZHAO, W.B. - ZHOU, Y. - MURASE, K. - SONG, H.C. Searching for small droplets of hydrodynamic fluid in proton-proton collisions at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 12 2020, vol. 80, no. 9., Registrované v: WOS

ADCA389 AABOUD, M. - AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of long-range two-particle azimuthal correlations in Z-boson tagged pp collisions at root s=8 and 13 TeV. In *European Physical Journal C*, 2020, vol. 80, no. 1, art. no. 64. (2019: 4.389 - IF, Q1 - JCR, 1.763 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-020-7606-6>

Ohlasy:

1. [1.1] ALTINOLUK, T. - ARMESTO, N. Particle correlations from the initial state. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, AUG 26 2020, vol. 56, no. 8., Registrované v: WOS

ADCA390 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. In *European Physical Journal C*, 2011, vol. 71, no. 11, art. no. 1763. (2010: 3.248 - IF, Q2 - JCR, 2.215 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1434-6044.

Ohlasy:

1. [1.1] BADGER, S. D. - BIEDERMANN, B. - UWER, P. - YUNDIN, V. Five jet production at next-to-leading order QCD. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 2066-2072., Registrované v: WOS

2. [1.1] BOTHMANN, Enrico - FERRARESE, Piero - KRAUSS, Frank - KUTTIMALAI, Silvan - SCHUMANN, Steffen - THOMPSON, Jennifer. Aspects of perturbative QCD at a 100 TeV future hadron collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 034007., Registrované v: WOS

3. [1.1] JUNG, Hannes - VAN MECHELEN, Pierre. Perturbative and Nonperturbative Corrections in Shower Event Generators. In STUDY OF DOUBLE PARTON SCATTERING USING FOUR-JET SCENARIOS: IN PROTON-PROTON COLLISIONS AT $(\text{SQUARE ROOT})S = 7 \text{ TEV}$ WITH THE CMS EXPERIMENT AT THE LHC. ISSN 2190-5053, 2016, pp. 237-244., Registrované v: WOS

4. [1.1] KUTAK, Krzysztof - MACIULA, Rafal - SERINO, Mirko - SZCZUREK, Antoni - VAN HAMEREN, Andreas. Search for optimal conditions for exploring double-parton scattering in four-jet production: k(T)-factorization approach. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 014019., Registrované v: WOS

5. [1.1] Measurement of the Cross Section of Four-Jet Events. In HIGH

JET MULTIPLICITY PHYSICS AT THE LHC. ISSN 2190-5053, 2016, pp. 103-168., Registrované v: WOS

6. [1.1] SAPETA, Sebastian. QCD and jets at hadron colliders. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 89, pp. 1-55., Registrované v: WOS

ADCA391 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of multi-particle azimuthal correlations in pp, p plus Pb and low-multiplicity Pb plus Pb collisions with the ATLAS detector. In *European Physical Journal C*, 2017, vol. 77, no. 6, art. no. 428. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-017-4988-1>

Ohlasy:

1. [1.1] AGOSTINI, P. - ALTINOLUK, T. - ARMESTO, N. Effect of non-eikonal corrections on azimuthal asymmetries in the color glass condensate. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 2019, vol. 79, no. 9., Registrované v: WOS

2. [1.1] AGOSTINI, P. - ALTINOLUK, T. - ARMESTO, N. Non-eikonal corrections to multi-particle production in the color glass condensate. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 16 2019, vol. 79, no. 7., Registrované v: WOS

3. [1.1] ALTINOLUK, Tolga - ARMESTO, Nestor - KOVNER, Alex - LUBLINSKY, Michael. Double and triple inclusive gluon production at mid rapidity: quantum interference in p-A scattering. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 702., Registrované v: WOS

4. [1.1] ALTINOLUK, Tolga - ARMESTO, Nestor - WERTEPNY, Douglas E. Correlations and the ridge in the Color Glass Condensate beyond the glasma graph approximation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 207., Registrované v: WOS

5. [1.1] ALTINOLUK, T. - ARMESTO, N. Particle correlations from the initial state. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, AUG 26 2020, vol. 56, no. 8., Registrované v: WOS

6. [1.1] ANDRES, C. - ARMESTO, N. - NIEMI, H. - PAATELAINEN, R. - SALGADO, C.A. Jet quenching as a probe of the initial stages in heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, APR 10 2020, vol. 803., Registrované v: WOS

7. [1.1] ARMESTO, Nestor. Small collision systems: Theory overview on cold nuclear matter effects. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 11001., Registrované v: WOS

8. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS

9. [1.1] BERAUDO, Andrea - DE PACE, Arturo - MONTENO, Marco - NARDI, Marzia - PRINO, Francesco. Development of heavy-flavour flow-harmonics in high-energy nuclear collisions. In JOURNAL OF HIGH

ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 043., Registrované v: WOS

10. [1.1] BLOK, Boris - JAKEL, Christian D. - STRIKMAN, Marj - WIEDEMANN, Urs Achim. Collectivity from interference. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 12, art. no. 074., Registrované v: WOS

11. [1.1] BLOK, B. - WIEDEMANN, U.A. Collectivity in pp from resummed interference effects?. In PHYSICS LETTERS B. ISSN 0370-2693, AUG 10 2019, vol. 795, p. 259-265., Registrované v: WOS

12. [1.1] BOER, Daniel - VAN DAAL, Tom - MULDER, Piet J. - PETRESKA, Elena. Directed flow from C-odd gluon correlations at small x. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 140., Registrované v: WOS

13. [1.1] BZDAK, Adam - MA, Guo-Liang. A remark on the sign change of the four-particle azimuthal cumulant in small systems. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 781, pp. 117-121., Registrované v: WOS

14. [1.1] BZDAK, Adam - MA, Guo-Liang. Elliptic flow coefficients from transverse momentum conservation. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 1, art. no. 014903., Registrované v: WOS

15. [1.1] DUSLING, Kevin - MACE, Mark - VENUGOPALAN, Raju. Parton model description of multiparticle azimuthal correlations in pA collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 016014., Registrované v: WOS

16. [1.1] DUSLING, Kevin - MACE, Mark - VENUGOPALAN, Raju. Multiparticle Collectivity from Initial State Correlations in High Energy Proton-Nucleus Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 4, art. no. 042002., Registrované v: WOS

17. [1.1] DUSLING, K. - MACE, M. - SKOKOV, V.V. - TRIBEDY, P. - VENUGOPALAN, R. Multiparticle correlations and collectivity in small systems from the initial state. In NUCLEAR PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 495-498., Registrované v: WOS

18. [1.1] HUNT-SMITH, N. - SKANDS, P. String fragmentation with a time-dependent tension. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2020, vol. 80, no. 11., Registrované v: WOS

19. [1.1] KATZ, R. - PRADO, C.A.G. - NORONHA-HOSTLER, J. - SUAIDE, A.A.P. System-size scan of D meson R-AA and $v(n)$ using PbPb, XeXe, ArAr, and OO collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, OCT 1 2020, vol. 102, no. 4., Registrované v: WOS

20. [1.1] KURKELA, Aleksi - WIEDEMANN, Urs Achim - WU, Bin. Nearly isentropic flow at sizeable η/s . In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 274-279., Registrované v: WOS

21. [1.1] KURKELA, A. - TAGHAVI, S.F. - WIEDEMANN, U.A. - WU, B. Hydrodynamization in systems with detailed transverse profiles. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS

22. [1.1] KURKELA, A. - WIEDEMANN, U.A. - WU, B. Flow in AA and pA as an interplay of fluid-like and non-fluid like excitations. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79,

no. 11., Registrované v: WOS

23. [1.1] KURKELA, A. - WIEDEMANN, U.A. Analytic structure of nonhydrodynamic modes in kinetic theory. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 2019, vol. 79, no. 9., Registrované v: WOS
24. [1.1] KURKELA, A. - WIEDEMANN, U.A. - WU, B. Opacity dependence of elliptic flow in kinetic theory. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 2019, vol. 79, no. 9., Registrované v: WOS
25. [1.1] LIU, Peifeng - LACEY, Roy A. System-size dependence of the viscous attenuation of anisotropic flow in p plus Pb and Pb plus Pb collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 031901., Registrované v: WOS
26. [1.1] MEHRABPOUR, H. - TAGHAVI, S.F. Non-Bessel-Gaussianity and flow harmonic fine-splitting. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 29 2019, vol. 79, no. 1., Registrované v: WOS
27. [1.1] PREGHENELLA, Roberto. Small systems at the LHC. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 11003., Registrované v: WOS
28. [1.1] SIEVERT, M. - NORONHA-HOSTLER, J. CERN Large Hadron Collider system size scan predictions for PbPb, XeXe, ArAr, and OO with relativistic hydrodynamics. In PHYSICAL REVIEW C. ISSN 2469-9985, AUG 2 2019, vol. 100, no. 2., Registrované v: WOS
29. [1.1] YAN, Li. A flow paradigm in heavy-ion collisions. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 4, art. no. 042001., Registrované v: WOS
30. [1.1] ZHAO, W.B. - ZHOU, Y. - MURASE, K. - SONG, H.C. Searching for small droplets of hydrodynamic fluid in proton-proton collisions at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 12 2020, vol. 80, no. 9., Registrované v: WOS

ADCA392 ADLOFF, C. - BRUNCKO, Dušan - FERENCEI, Jozef - KURČA, Tibor - MARÁČEK, Richard - MURÍN, Pavol. Measurement of neutral and charged current cross sections electron-proton collisions at high Q(2). In *European Physical Journal C*, 2001, vol. 19, no. 2, p. 269-288. (2000: 5.408 - IF, Current Contents - CCC). (2001 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1007/s100520100607>

Ohlasy:

1. [1.1] ZHOU, Dai-Mei - YAN, Yu-Liang - LI, Xing-Long - LI, Xiao-Mei - DONG, Bao-Guo - CAI, Xu - SA, Ben-Hao. An upgraded issue of the parton and hadron cascade model, PACIAE 2.2. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2015, vol. 193, pp. 89-94., Registrované v: WOS

ADCA393 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of photon-jet transverse momentum correlations in 5.02 TeV Pb + Pb and pp collisions with ATLAS. In *Physics Letters B*, 2019, vol. 789, p. 167-190. (2018: 4.162 - IF, Q2 - JCR, 1.806 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.12.023>

Ohlasy:

1. [1.1] GRAZIANI, G. Heavy ion and fixed-target physics at ATLAS, CMS and LHCb. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, OCT-DEC 2019, vol. 42, no. 6., Registrované v: WOS
2. [1.1] HE, Y.Y. - PANG, L.G. - WANG, X.N. Bayesian Extraction of Jet Energy Loss Distributions in Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, JUN 27 2019, vol. 122, no. 25., Registrované v: WOS
3. [1.1] QIU, J.W. - RINGER, F. - SATO, N. - ZURITA, P. Factorization of Jet Cross Sections in Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, JUN 24 2019, vol. 122, no. 25., Registrované v: WOS

ADCA394 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Measurement of pion, kaon and proton production in proton-proton collisions at $\sqrt{s}=7$ TeV. In *European Physical Journal C*, 2015, vol. 75, no. 5, art. no. 226. (2014: 5.084 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-015-3422-9>

Ohlasy:

1. [1.1] AGOSTINI, M. et al. Flux modulations seen by the muon veto of the GERDA experiment. In STROPARTICLE PHYSICS, 2016, vol. pp. 29-35., Registrované v: WOS
2. [1.1] ALSAWEED, Mohammed - LAI, Ching Tat - HARTMANN, Peter E. - GEDDES, Donna T. - KAKULAS, Foteini. Human Milk Cells and Lipids Conserve Numerous Known and Novel miRNAs, Some of Which Are Differentially Expressed during Lactation. In PLOS ONE. ISSN 1932-6203, 2016, vol. 11, no. 4, art. no. e0152610., Registrované v: WOS
3. [1.1] ARAKELYAN, G. H. - MERINO, C. - SHABELSKI, Yu. M. Midrapidity hyperon production in pp and pA collisions from low to LHC energies. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 1, art. no. 9., Registrované v: WOS
4. [1.1] ARAKELYAN, G. H. - MERINO, C. - SHABELSKI, Yu. M. - SHUVAEV, A. Inelastic nuclear screening for different secondaries produced in p plus Pb collisions at LHC energy. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 074013., Registrované v: WOS
5. [1.1] BELLM, Johannes - DUNCAN, Cody B. - GIESEKE, Stefan - MYSKA, Miroslav - SIODMOK, Andrzej. Spacetime colour reconnection in Herwig 7. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 12., Registrované v: WOS
6. [1.1] BELLM, J. - BEWICK, G. - RAVASIO, S.F. - GIESEKE, S. - GRELLSCHEID, D. - KIRCHGAESSER, P. - LOSHAJ, F. - MASOUMINIA, M.R. - NAIL, G. - PAPAESTATHIOU, A. - PLATZER, S. - PODSKUBKA, R. - RAUCH, M. - REUSCHLE, C. - RICHARDSON, P. - SCHICHEL, P. - SEYMOUR, M.H. - SIODMOK, A. - WEBSTER, S. Herwig 7.2 release note. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 20 2020, vol. 80, no. 5., Registrované v: WOS

7. [1.1] BELLM, J. - DUNCAN, C.B. - GIESEKE, S. - MYSKA, M. - SIODMOK, A. SPACETIME INFORMATION AS A GUIDING PRINCIPLE FOR COLOR RECONNECTION IN Herwig 7. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2020, vol. 51, no. 6, p. 1485-1496., Registrované v: WOS
8. [1.1] BELLM, J. - GIESEKE, S. - KIRCHGAESSER, P. Improving the description of multiple interactions in Herwig. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 25 2020, vol. 80, no. 5., Registrované v: WOS
9. [1.1] BIERLICH, Christian - CHRISTIANSEN, Jesper Roy. Effects of color reconnection on hadron flavor observables. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 094010., Registrované v: WOS
10. [1.1] BLUM, Kfir - SATO, Ryosuke - TAKIMOTO, Masahiro. e^{+} and (p) over-bar production in pp collisions and the cosmic-ray $e^{+}/(p)$ over-bar ratio. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 6, art. no. 063022., Registrované v: WOS
11. [1.1] DONIGUS, B. Selected highlights of the production of light (anti-)(hyper-)nuclei in ultra-relativistic heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, NOV 4 2020, vol. 56, no. 11., Registrované v: WOS
12. [1.1] DUNCAN, Cody B. - KIRCHGAESSER, Patrick. Kinematic strangeness production in cluster hadronization. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 1., Registrované v: WOS
13. [1.1] DUNCAN, C.B. - SKANDS, P. Fragmentation of two repelling Lund strings. In SCIPOST PHYSICS. ISSN 2542-4653, MAY 2020, vol. 8, no. 5., Registrované v: WOS
14. [1.1] FISCHER, Nadine - SJOSTRAND, Torbjorn. Thermodynamical string fragmentation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 1, art. no. 140., Registrované v: WOS
15. [1.1] FULEK, Lukasz. Measurements of Identified Particle Spectra in Diffractive pp Collisions with the STAR Detector at RHIC. In DIFFRACTION 2016: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2017, vol. 1819, art. no. UNSP 040007-1., Registrované v: WOS
16. [1.1] FULEK, Lukasz. MEASUREMENTS OF PARTICLE SPECTRA IN DIFFRACTIVE PROTON-PROTON COLLISIONS WITH THE STAR DETECTOR AT RHIC. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 4, pp. 999-1004., Registrované v: WOS
17. [1.1] GIESEKE, Stefan - KIRCHGAESSER, Patrick - PLAETZER, Simon. Baryon production from cluster hadronisation. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 2, art. no. 99., Registrované v: WOS
18. [1.1] HABICH, M. - MILLER, G. A. - ROMATSCHKE, P. - XIANG, W. Testing hydrodynamic descriptions of p plus p collisions at TeV. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 7, art. no. 408., Registrované v: WOS
19. [1.1] JIZBA, Petr - KORBEL, Jan. Maximum Entropy Principle in Statistical Inference: Case for Non-Shannonian Entropies. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 12., Registrované v:

WOS

20. [1.1] KACHELRIESS, M. - OSTAPCHENKO, S. - TJEMSLAND, J. Alternative coalescence model for deuteron, tritium, helium-3 and their antinuclei. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, JAN 9 2020, vol. 56, no. 1., Registrované v: WOS
21. [1.1] KACHELRIESS, M.M. - OSTAPCHENKO, S. - TJEMSLAND, J. Revisiting cosmic ray antinuclei fluxes with a new coalescence model. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, AUG 2020, no. 8., Registrované v: WOS
22. [1.1] KIREYEU, V. - GRISHMANOVSKII, I. - KOLESNIKOV, V. - VORONYUK, V. - BRATKOVSKAYA, E. Hadron production in elementary nucleon-nucleon reactions from low to ultra-relativistic energies. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, SEP 4 2020, vol. 56, no. 9., Registrované v: WOS
23. [1.1] MARTIN, T. - SKANDS, P. - FARRINGTON, S. Probing collective effects in hadronisation with the extremes of the underlying event. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 299., Registrované v: WOS
24. [1.1] MUKHAMEDSHIN, R. A. FANSY 2.0: A Monte Carlo tool for study of superhigh-energy cosmic-ray interactions Proton-proton interactions. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2019, vol. 134, no. 11., Registrované v: WOS
25. [1.1] OLIMOV, K.K. - IQBAL, A. - MASOOD, S. Systematic analysis of midrapidity transverse momentum spectra of identified charged particles in p plus p collisions at $(s_{nn})^{1/2}=2.76, 5.02$, and 7 TeV at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, SEP 30 2020, vol. 35, no. 27., Registrované v: WOS
26. [1.1] PARVAN, A. S. Comparison of Tsallis statistics with the Tsallis-factorized statistics in the ultrarelativistic pp collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 12, art. no. 355., Registrované v: WOS
27. [1.1] RAGAB, N.A. - SHE, Z.L. - CHEN, G. Light (anti-)nuclei and (anti-)hypertriton production in pp collisions at $\sqrt{s}=0.90, 2.76$ and 7 TeV. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, SEP 17 2020, vol. 135, no. 9., Registrované v: WOS
28. [1.1] RYBCZYNSKI, M. - WLODARCZYK, Z. Similarities in Multiparticle Production Processes in pp Collisions as Imprints of Nonextensive Statistics. In SYMMETRY-BASEL. AUG 2020, vol. 12, no. 8., Registrované v: WOS
29. [1.1] SARASWAT, Kapil - SHUKLA, Prashant - SINGH, Venktesh. Transverse momentum spectra of hadrons in high energy pp and heavy ion collisions. In JOURNAL OF PHYSICS COMMUNICATIONS. ISSN 2399-6528, 2018, vol. 2, no. 3, art. no. 035003., Registrované v: WOS
30. [1.1] SJOSTRAND, Torbjorn. Collective Effects: the viewpoint of HEP MC codes. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 43-49., Registrované v: WOS
31. [1.1] SJOSTRAND, T. - UTHEIM, M. A framework for hadronic rescattering in pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 1 2020, vol. 80, no. 10., Registrované v: WOS
32. [1.1] TAYLOR, Frank E. Radial scaling in inclusive jet production at

hadron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 054016., Registrované v: WOS

33. [1.1] WAQAS, M. - LIU, F-H - FAKHRADDIN, S. - RAHIM, M. A. Possible scenarios for single, double, or multiple kinetic freeze-out in high-energy collisions. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, 2019, vol. 93, no. 10, pp. 1329-1343., Registrované v: WOS

34. [1.1] WEI, Hua-Rong - LIU, Fu-Hu - LACEY, Roy A. Disentangling random thermal motion of particles and collective expansion of source from transverse momentum spectra in high energy collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 12, art. no. 125102., Registrované v: WOS

35. [1.1] WINKLER, Martin Wolfgang. Cosmic ray antiprotons at high energies. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2017, no. 2, art. no. 048., Registrované v: WOS

36. [1.1] ZHANG, Chao - ZHENG, Liang - LIU, Feng - SHI, Shusu - LIN, Zi-Wei. Update of a multiphase transport model with modern parton distribution functions and nuclear shadowing. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 6., Registrované v: WOS

37. [1.1] ZHANG, W. C. Scaling behaviours of the p(T) spectra for identified hadrons in pp collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 1, art. no. 015003., Registrované v: WOS

38. [1.1] ZHENG, H. - ZHU, Lilin. Comparing the Tsallis Distribution with and without Thermodynamical Description in p plus p Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 9632126., Registrované v: WOS

ADCA395 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Measurement of Polarization and Search for CP Violation in B-s(0) - phi phi Decays. In *Physical Review Letters*, 2011, vol. 107, no. 26, art. no. 261802. (2010: 7.622 - IF, Q1 - JCR, 6.450 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.107.261802>

Ohlasy:

1. [1.1] DURIEUX, Gauthier - GROSSMAN, Yuval. Probing CP violation systematically in differential distributions. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 076013., Registrované v: WOS

ADCA396 ABELEV, Betty - ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Measurement of Prompt D-Meson Production in p-Pb Collisions at $\sqrt{s(NN)}=5.02$ TeV. In *Physical Review Letters*, 2014, vol. 113, no. 23, art. no. 232301. (2013: 7.728 - IF, Q1 - JCR, 5.674 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.113.232301>

Ohlasy:

1. [1.1] ARLEO, Francois - PEIGNE, Stephane. Quarkonium Suppression from Coherent Energy Loss in Fixed-Target Experiments Using LHC Beams. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357,

- 2015, art. no. 961951., Registrované v: WOS
2. [1.1] BERAUDO, Andrea. Heavy flavour in high-energy nuclear collisions: a theoretical overview. In TNPI2016 XV CONFERENCE ON THEORETICAL NUCLEAR PHYSICS IN ITALY. ISSN 1742-6588, 2018, vol. 981, art. no. 012016., Registrované v: WOS
 3. [1.1] DONG, Xin - LEE, Yen-Jie - RAPP, Ralf. Open Heavy-Flavor Production in Heavy-Ion Collisions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 69. ISSN 0163-8998, 2019, vol. 69, pp. 417-445., Registrované v: WOS
 4. [1.1] DONG, Xin. Heavy Flavor Production, Energy Loss and Flow-Experimental Overview. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 192-199., Registrované v: WOS
 5. [1.1] FUJII, Hirotugu - WATANABE, Kazuhiro. Leptons from heavy-quark semileptonic decay in pA collisions within the GC framework. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 951, pp. 45-59., Registrované v: WOS
 6. [1.1] GAULD, Rhorry. Forward D predictions for pPb collisions, and sensitivity to cold nuclear matter effects. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1., Registrované v: WOS
 7. [1.1] KELLY, Aoife - ROTHKOPF, Alexander - SKULLERUD, Jon-Ivar. Bayesian study of relativistic open and hidden charm in anisotropic lattice QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 114509., Registrované v: WOS
 8. [1.1] KE, Weiyao - XU, Yingru - BASS, Steffen A. Linearized Boltzmann-Langevin model for heavy quark transport in hot and dense QCD matter. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 6, art. no. 064901., Registrované v: WOS
 9. [1.1] KHALEK, Rabah Abdul - ETHIER, Jacob J. - ROJO, Juan. Nuclear parton distributions from lepton-nucleus scattering and the impact of an electron-ion collider. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 6., Registrované v: WOS
 10. [1.1] KIKOLA, Daniel. Five things you should remember about heavy flavor measurements. In HOT QUARKS 2014: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS. ISSN 1742-6588, 2015, vol. 612, art. no. 012023., Registrované v: WOS
 11. [1.1] KRAMER, G. - SPIESBERGER, H. Study of heavy meson production in p-Pb collisions at root S=5.02 TeV in the general-mass variable-flavour-number scheme. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 925, pp. 415-430., Registrované v: WOS
 12. [1.1] KUSINA, Aleksander - LANSBERG, Jean-Philippe - SCHIENBEIN, Ingo - SHAO, Hua-Sheng. Gluon Shadowing in Heavy-Flavor Production at the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 5, art. no. 052004., Registrované v: WOS
 13. [1.1] KUSINA, A. - LANSBERG, J. P. - SCHIENBEIN, I. - SHAO, H. S. IMPACT OF LHC HEAVY-FLAVOUR DATA ON NUCLEAR GLUON PDF. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2018, vol. 49, no. 6, pp. 1185-1198., Registrované v: WOS
 14. [1.1] MACIULA, R. - SZCZUREK, A. - ZAREMBA, J. - BABIARZ, I. Production asymmetry of nu(tau) neutrinos and (nu)over-bar(tau) antineutrinos

- from a fixed target experiment SHiP. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 20 2020, no. 1., Registrované v: WOS
15. [1.1] MA, Yan-Qing - TRIBEDY, Prithwish - VENUGOPALAN, Raju - WATANABE, Kazuhiro. Event engineering studies for heavy flavor production and hadronization in high multiplicity hadron-hadron and hadron-nucleus collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 074025., Registrované v: WOS
 16. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS
 17. [1.1] OZVENCHUK, V. - AICHELIN, J. - GOSSIAUX, P. B. - GUIOT, B. - NAHRGANG, M. - WERNER, K. D-meson observables in Pb-Pb and p-Pb collisions at LHC with EPOSHQ model. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012033., Registrované v: WOS
 18. [1.1] VOGT, R. Heavy flavor azimuthal correlations in cold nuclear matter. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034907., Registrované v: WOS
 19. [1.1] YU, Gong-Ming - CAI, Yan-Bing - BAI, Zhen - HU, Qiang. Centrality Dependence of Charmed-Meson Photoproduction in Ultrarelativistic Heavy Ion Collisions. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2019, vol. 71, no. 5, pp. 563-567., Registrované v: WOS
 20. [1.1] ZHAO, W.B. - KO, C.M. - LIU, Y.X. - QIN, G.Y. - SONG, H.C. Probing the Partonic Degrees of Freedom in High-Multiplicity p-Pb collisions at root s(NN)=5.02 TeV. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, AUG 12 2020, vol. 125, no. 7., Registrované v: WOS

ADCA397 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRIVDA, Marián - PASTIRČÁK, Blahoslav - ŠÁNDOR, Ladislav - VALA, Martin. Measurement of prompt J/psi and beauty hadron production cross sections at mid-rapidity in pp collisions at root s=7 TeV. In *Journal of High Energy Physics*, 2012, vol. 2012, no. 11, art. no. 065. (2011: 5.831 - IF, 1.902 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP11\(2012\)065](https://doi.org/10.1007/JHEP11(2012)065)

Ohlasy:

1. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
2. [1.1] CARVALHO, F. - GIANNINI, A. V. - GONCALVES, V. P. - NAVARRA, F. S. D-meson production at very forward rapidities: Estimating the intrinsic charm contribution. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 094002., Registrované v: WOS
3. [1.1] CHEN, B.Y. Thermal production of charmonia in Pb-Pb collisions at root sNN=5.02 TeV. In CHINESE PHYSICS C. ISSN 1674-1137, DEC 2019, vol. 43, no. 12., Registrované v: WOS
4. [1.1] KUMAR, V. - SHUKLA, P. - BHATTACHARYYA, A. Suppression of quarkonia in PbPb collisions at root S-NN=5.02TeV. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN

- 0954-3899, JAN 2020, vol. 47, no. 1., Registrované v: WOS
5. [1.1] LEVIN, E. - SIDDIKOV, M. J/psi production in hadron scattering: three-pomeron contribution. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, APR 30 2019, vol. 79, no. 5., Registrované v: WOS
 6. [1.1] LI, Xuan. Recent Heavy-Flavor Results Utilizing the FVTX in PHENIX at RHIC. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012027., Registrované v: WOS
 7. [1.1] MACIULA, R. - SZCZUREK, A. - CISEK, A. J=psi-meson production within improved color evaporation model with the k(T)-factorization approach for c(c)over-bar production. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 21 2019, vol. 99, no. 5., Registrované v: WOS
 8. [1.1] PAUL, Biswarup - MANDAL, Mahatsab - ROY, Pradip - CHATTAPADHYAY, Sukalyan. Systematic study of charmonium production in p-p collisions at LHC energies. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 6, art. no. 065101., Registrované v: WOS
 9. [1.1] SEPAHVAND, R. - DADFAR, S. NLO corrections to c- and b-quark fragmentation into j/psi and gamma. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034012., Registrované v: WOS

ADCA398 AABOUD, M. - AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of prompt photon production in root s(NN)=8.16 TeV p Pb collisions with ATLAS. In *Physics Letters B*, 2019, vol. 796, p. 230-252. (2018: 4.162 - IF, Q2 - JCR, 1.806 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2019.07.031>

Ohlasy:

1. [1.1] DAVID, G. Direct real photons in relativistic heavy ion collisions. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, APR 2020, vol. 83, no. 4., Registrované v: WOS
2. [1.1] DOS SANTOS, G.S. - DA SILVEIRA, G.G. - MACHADO, M.V.T. Prompt photon production in high-energy pA collisions at forward rapidity. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 2 2020, vol. 102, no. 5., Registrované v: WOS
3. [1.1] DOS SANTOS, G.S. - DA SILVEIRA, G.G. - MACHADO, M.V.T. The color dipole picture for prompt photon production in pp and pPb collisions at the CERN-LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 2 2020, vol. 80, no. 9., Registrované v: WOS
4. [1.1] ESKOLA, K.J. - HELENIUS, I. - PAAKKINEN, P. - PAUKKUNEN, H. A QCD analysis of LHCb D-meson data in p plus Pb collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 8 2020, no. 5., Registrované v: WOS
5. [1.1] KHALEK, R.A. - ETHIER, J.J. - ROJO, J. - VAN WEELDEN, G. nNNPDF2.0: quark flavor separation in nuclei from LHC data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 28 2020, no. 9., Registrované v: WOS

ADCA399 ABELEV, Betty - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Measurement of quarkonium production at forward rapidity in collisions at TeV. In *European Physical Journal C*, 2014, vol. 74, no. 8, art. no. 2974. (2013: 5.436 - IF, Q1 - JCR, 2.323 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-014-2974-4>

Ohlasy:

1. [1.1] ARTAMONOV, A. Production of Υ mesons in pp collisions at $\sqrt{s}=7$ and 8 TeV in the LHCb experiment. In *PHYSICS OF PARTICLES AND NUCLEI*. ISSN 1063-7796, 2017, vol. 48, no. 6, pp. 841-846., Registrované v: WOS
2. [1.1] CISEK, Anna - SZCZUREK, Antoni. Prompt inclusive production of J/ψ , ψ' and $\chi(c)$ mesons at the LHC in forward directions within the NRQCD $k(t)$ -factorization approach: Search for the onset of gluon saturation. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 034035., Registrované v: WOS
3. [1.1] DUCLOUE, B. - LAPPI, T. - MANTYSAARI, H. Forward J/ψ production in proton-nucleus collisions at high energy. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 114005., Registrované v: WOS
4. [1.1] DUCLOUE, B. - LAPPI, T. - MANTYSAARI, H. Forward J/ψ production at high energy: Centrality dependence and mean transverse momentum. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 074031., Registrované v: WOS
5. [1.1] DU, X. - HE, M. - RAPP, R. Color screening and regeneration of bottomonia in high-energy heavy-ion collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2017, vol. 96, no. 5, art. no. 054901., Registrované v: WOS
6. [1.1] FENG, Yu - LANSBERG, Jean-Philippe - WANG, Jian-Xiong. Energy dependence of direct-quarkonium production in pp collisions from fixed-target to LHC energies: complete one-loop analysis. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2015, vol. 75, no. 7, art. no. 313., Registrované v: WOS
7. [1.1] CHEN, Ya-Hui - LIU, Fu-Hu - LACEY, Roy A. Event Patterns Extracted from Transverse Momentum and Rapidity Spectra of Z Bosons and Quarkonium States Produced in pp and Pb-Pb Collisions at LHC. In *ADVANCES IN HIGH ENERGY PHYSICS*. ISSN 1687-7357, 2016, art. no. 9876253., Registrované v: WOS
8. [1.1] CHEUNG, Vincent - VOGT, Ramona. Production and polarization of prompt J/ψ in the improved color evaporation model using the $k(T)$ -factorization approach. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 114029., Registrované v: WOS
9. [1.1] CHEUNG, V. - VOGT, R. Production and polarization of prompt $\gamma(nS)$ in the improved color evaporation model using the $k(T)$ -factorization approach. In *PHYSICAL REVIEW D*. ISSN 2470-0010, FEB 15 2019, vol. 99, no. 3., Registrované v: WOS
10. [1.1] KNIEHL, B. A. - NEFEDOV, M. A. - SALEEV, V. A. $\psi(2S)$ and $\Upsilon(3S)$ hadroproduction in the parton Reggeization approach: Yield, polarization, and the role of fragmentation. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 054007., Registrované v: WOS

11. [1.1] KROUPPA, B. - ROTHKOPF, A. - STRICKLAND, M. Bottomonium suppression at RHIC and LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 727-730., Registrované v: WOS
12. [1.1] LANSBERG, J.P. New observables in inclusive production of quarkonia. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, DEC 20 2020, vol. 889, p. 1-106., Registrované v: WOS
13. [1.1] MANTYSAARI, H. - PAUKKUNEN, H. Saturation and forward jets in proton-lead collisions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 20 2019, vol. 100, no. 11., Registrované v: WOS
14. [1.1] NAYAK, Gouranga C. Proof of factorization of heavy quarkonium production in non-equilibrium QCD at RHIC and LHC. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 2, art. no. 52., Registrované v: WOS
15. [1.1] SUN, Junfeng - CHEN, Lili - WANG, Na - HUANG, Jinshu - YANG, Yueling - CHANG, Qin. Study on Upsilon(nS) > BcM decays. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 10, art. no. 105005., Registrované v: WOS
16. [1.1] SUN, Junfeng - CHEN, Lili - WANG, Na - CHANG, Qin - HUANG, Jinshu - YANG, Yueling. Study on the Y(1S) > BcM Weak Decays. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 691261., Registrované v: WOS
17. [1.1] WANG, Hong-Min - HOU, Zhao-Yu - WANG, Xiu-Ting - SUN, Xian-Jing. J/psi production in p plus p and p plus Pb collisions at ultrarelativistic energies. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2018, vol. 29, no. 8, art. no. 116., Registrované v: WOS
18. [1.1] WATANABE, Kazuhiro - XIAO, Bo-Wen. Forward heavy quarkonium productions at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 111502., Registrované v: WOS
19. [1.1] YU, F. - FAN, Q. - TIAN, Q. - NGAMSOMBAT, C. - MACHADO, N. - BIRELEY, J.D. - RUSSO, A.W. - NUMMENMAA, A. - WITZEL, T. - WALD, L.L. - KLAWITER, E.C. - HUANG, S.Y. Imaging G-Ratio in Multiple Sclerosis Using High-Gradient Diffusion MRI and Macromolecular Tissue Volume. In AMERICAN JOURNAL OF NEURORADIOLOGY. ISSN 0195-6108, NOV 2019, vol. 40, no. 11, p. 1871-1877., Registrované v: WOS
20. [1.1] YU, Haiwang. Study of Charmonia Production vs. Charged Track Multiplicity in p plus p Collisions at PHENIX. In HOT QUARKS 2014: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS. ISSN 1742-6588, 2015, vol. 612, art. no. 012029., Registrované v: WOS

ADCA400 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of quarkonium production in proton-lead and proton-proton collisions at 5.02 TeV with the ATLAS detector. In *European Physical Journal C*, 2018, vol. 78, no. 3, art. no. 171. (2017: 5.172 - IF, Q1 - JCR, 2.022 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-018-5624-4>

Ohlasy:

1. [1.1] DU, X.J. - RAPP, R. In-medium charmonium production in proton-nucleus collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 5 2019, no. 3., Registrované v: WOS
2. [1.1] FERREIRO, E. G. - LANSBERG, J. P. Is bottomonium suppression in proton-nucleus and nucleus-nucleus collisions at LHC energies due to the same effects? In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 094., Registrované v: WOS
3. [1.1] GRAZIANI, G. Results on heavy ion physics at LHCb. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2018). ISSN 1742-6588, 2019, vol. 1271., Registrované v: WOS
4. [1.1] HONG, J. - LEE, S.H. (sic)(1S) transverse momentum spectra through dissociation and regeneration in heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, FEB 10 2020, vol. 801., Registrované v: WOS
5. [1.1] KATZ, R. - PRADO, C.A.G. - NORONHA-HOSTLER, J. - SUAIDE, A.A.P. System-size scan of D meson R-AA and $v(n)$ using PbPb, XeXe, ArAr, and OO collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, OCT 1 2020, vol. 102, no. 4., Registrované v: WOS
6. [1.1] KUSINA, Aleksander - LANSBERG, Jean-Philippe - SCHIENBEIN, Ingo - SHAO, Hua-Sheng. Gluon Shadowing in Heavy-Flavor Production at the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 5, art. no. 052004., Registrované v: WOS
7. [1.1] KUSINA, A. - LANSBERG, J. P. - SCHIENBEIN, I. - SHAO, H. S. IMPACT OF LHC HEAVY-FLAVOUR DATA ON NUCLEAR GLUON PDF. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2018, vol. 49, no. 6, pp. 1185-1198., Registrované v: WOS
8. [1.1] MA, R.R. Quarkonium production in nuclear collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 120-126., Registrované v: WOS
9. [1.1] MOGLIACCI, S. - KOLBE, I. - HOROWITZ, W.A. Geometrically confined thermal field theory: Finite size corrections and phase transitions. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 23 2020, vol. 102, no. 11., Registrované v: WOS
10. [1.1] PUGATCH, V. HEAVY-ION AND FIXED-TARGET PHYSICS IN LHCb. In UKRAINIAN JOURNAL OF PHYSICS. ISSN 2071-0186, 2019, vol. 64, no. 7, p. 619-623., Registrované v: WOS
11. [1.1] SINGH, C.R. - GANESH, S. - MISHRA, M. Centrality and transverse momentum dependent suppression of $\psi(1S)$ and $\psi(2S)$ in p-Pb and Pb-Pb collisions at the CERN Large Hadron Collider. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 19 2019, vol. 79, no. 2., Registrované v: WOS
12. [1.1] STRICKLAND, M. Small system studies: A theory overview. In NUCLEAR PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 92-98., Registrované v: WOS
13. [1.1] YANG, P.P. - DUAN, M.Y. - LIU, F.H. - SAHOO, R. Multiparticle Production and Initial Quasitemperature from Proton-Induced Carbon Collisions at pLab=31 GeV/c. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, JAN 17 2020, vol. 2020., Registrované v: WOS

ADCA401 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Measurement of ratios of fragmentation fractions for bottom hadrons in $p(\bar{p})$ collisions at $\sqrt{s}=1.96$ TeV. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2008, vol. 77, no. 7, art. no. 072003. (2007: 4.696 - IF, Q1 - JCR, 2.593 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.77.072003>

Ohlasy:

1. [1.1] HSIAO, Y. K. - LIN, P. Y. - LUO, L. W. - GENG, C. Q. Fragmentation fractions of two-body b -baryon decays. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2015, vol. 751, pp. 127-130., Registrované v: WOS
2. [1.1] LUSZCZAK, Marta - MACIULA, Rafal - SZCZUREK, Antoni. Single- and central-diffractive production of open charm and bottom mesons at the LHC: Theoretical predictions and experimental capabilities. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 054024., Registrované v: WOS

ADCA402 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABED ABUD, A. - ABELING, K. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVA, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of soft-drop jet observables in pp collisions with the ATLAS detector at $\sqrt{s}=13$ TeV. In *Physical Review D*, 2020, vol. 101, no. 5, art. no. 052007. (2019: 4.833 - IF, Q1 - JCR, 1.664 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.101.052007>

Ohlasy:

1. [1.1] ANDERLE, D. - DASGUPTA, M. - EL-MENOUFI, B.K. - GUZZI, M. - HELLIWELL, J. Groomed jet mass as a direct probe of collinear parton dynamics. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, SEP 5 2020, vol. 80, no. 9., Registrované v: WOS
2. [1.1] KARDOS, A. - LARKOSKI, A.J. - TROCSANYI, Z. Two- and three-loop data for the groomed jet mass. In *PHYSICAL REVIEW D*. ISSN 1550-7998, JUN 30 2020, vol. 101, no. 11., Registrované v: WOS
3. [1.1] MEHTAR-TANI, Y. - SOTO-ONTOSO, A. - TYWONIUK, K. Tagging boosted hadronic objects with dynamical grooming. In *PHYSICAL REVIEW D*. ISSN 2470-0010, DEC 7 2020, vol. 102, no. 11., Registrované v: WOS
4. [1.1] MULLIGAN, J. - PLOSKON, M. Identifying groomed jet splittings in heavy-ion collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, OCT 28 2020, vol. 102, no. 4., Registrované v: WOS

ADCA403 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of Spin Correlation in Top-Antitop Quark Events and Search for Top Squark Pair Production in pp Collisions at $\sqrt{s}=8$ TeV Using the ATLAS Detector. In *Physical Review Letters*, 2015, vol. 114, no. 14, art. no. 142001. (2014: 7.512 - IF, Q1 - JCR, 5.232 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.114.142001>

Ohlasy:

1. [1.1] AN, Haipeng - WANG, Lian-Tao. Opening Up the Compressed

Region of Top Squark Searches at 13 TeV LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 18, art. no. 181602.,

Registrované v: WOS

2. [1.1] BEURIA, Jyotiranjana - DATA, AseshKrishna - DEBNATH, Dipsikha - MATCHEV, Konstantin T. LHC collider phenomenology of minimal universal extra dimensions. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 226, pp. 187-205., Registrované v: WOS

3. [1.1] CSAKI, Csaba - GROJEAN, Christophe - TERNING, John. Alternatives to an elementary Higgs. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2016, vol. 88, no. 4, art. no. 045001., Registrované v: WOS

4. [1.1] DRAGOS, C. GROUPS CAN KNOW HOW. In AMERICAN PHILOSOPHICAL QUARTERLY. ISSN 0003-0481, JUL 2019, vol. 56, no. 3, p. 265-276., Registrované v: WOS

5. [1.1] GODBOLE, R. - GUCHAIT, M. - KHOSA, C.K. - LAHIRI, J. - SHARMA, S. - VIJAY, A.H. Boosted top quark polarization. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 16 2019, vol. 100, no. 5., Registrované v: WOS

6. [1.1] HOU, G.W.S. Perspectives and outlook from HEP window on the universe. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, JAN 20 2019, vol. 34, no. 2., Registrované v: WOS

7. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS

8. [1.1] CHAKRABORTY, Sabyasachi - DATTA, AseshKrishna - HUITU, Katri - ROY, Sourov - WALTARI, Harri. Light top squarks in a U(1)(R) lepton number model with a right handed neutrino and the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075005., Registrované v: WOS

9. [1.1] CHIANG, Cheng-Wei - FUKUDA, Hajime - TAKEUCHI, Michihisa - YANAGIDA, Tsutomu T. Current status of top-specific variant axion model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 035015., Registrované v: WOS

10. [1.1] KIM, Jong Soo - SCHMEIER, Daniel - TATTERSALL, Jamie. Role of the 'N' in the natural NMSSM for the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055018., Registrované v: WOS

11. [1.1] MA, Kai. Asymmetry observables for measuring spin correlations in top-quark pair production. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 071501., Registrované v: WOS

12. [1.1] SCHLAFFER, M. - SPANNOVSKY, M. - WEILER, A. Searching for supersymmetry scalelessly. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 8, art. no. 457., Registrované v: WOS

13. [1.1] SCHULZE, Markus - SOREQ, Yotam. Pinning down electroweak dipole operators of the top quark. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 8, art. no. 466., Registrované v: WOS

ADCA404 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of tau polarization in W - tau nu decays with the ATLAS detector in pp collisions at root

$s=7$ TeV. In *European Physical Journal C*, 2012, vol. 72, no. 7, art. no. 2062. (2011: 3.631 - IF, Q2 - JCR, 2.962 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-012-2062-6>

Ohlasy:

1. [1.1] ALTMANNSHOFER, Wolfgang - DEV, P. S. Bhupal - SONI, Amarjit. RD(*) anomaly: A possible hint for natural supersymmetry with R-parity violation. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 095010., Registrované v: WOS

ADCA405 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABELOOS, B. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the angular coefficients in Z-boson events using electron and muon pairs from data taken at root $s=8$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2016, vol. 2016, no. 8, art. no. 159. (2015: 6.023 - IF, Q1 - JCR, 1.343 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP08\(2016\)159](https://doi.org/10.1007/JHEP08(2016)159)

Ohlasy:

1. [1.1] ALIOLI, S. - BOUGHEZAL, R. - MEREGHETTI, E. - PETRIELLO, F. Novel angular dependence in Drell-Yan lepton production via dimension-8 operators. In *PHYSICS LETTERS B*. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS
2. [1.1] BACCHETTA, A. - BOZZI, G. - ECHEVARRIA, M.G. - PISANO, C. - PROKUDIN, A. - RADICI, M. Azimuthal asymmetries in unpolarized SIDIS and Drell-Yan processes: A case study towards TMD factorization at subleading twist. In *PHYSICS LETTERS B*. ISSN 0370-2693, OCT 10 2019, vol. 797., Registrované v: WOS
3. [1.1] BIZON, W. - GEHRMANN-DE RIDDER, A. - GEHRMANN, T. - GLOVER, N. - HUSS, A. - MONNI, P.F. - RE, E. - ROTTOLI, L. - WALKER, D.M. The transverse momentum spectrum of weak gauge bosons at (NLL)-L-3 + NNLO. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, OCT 2019, vol. 79, no. 10., Registrované v: WOS
4. [1.1] CELIBERTO, F. G. - GORDO GOMEZ, D. - SABIO VERA, A. Forward Drell-Yan production at the LHC in the BFKL formalism with collinear corrections. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2018, vol. 786, pp. 201-206., Registrované v: WOS
5. [1.1] FREDERIX, R. - VITOS, T. Electroweak corrections to the angular coefficients in finite-p(T) Z-boson production and dilepton decay. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, OCT 12 2020, vol. 80, no. 10., Registrované v: WOS
6. [1.1] GAVRILOVA, M. - TERYAEV, O. Rotation-invariant observables as density matrix invariants. In *PHYSICAL REVIEW D*. ISSN 2470-0010, APR 24 2019, vol. 99, no. 7., Registrované v: WOS
7. [1.1] GONCALVES, Dorival - NAKAMURA, Junya. Role of the Z polarization in the $H \rightarrow b(b)\text{over-bar}$ measurement. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 093005., Registrované v: WOS
8. [1.1] GONCALVES, D. - NAKAMURA, J. Boosting the $H \rightarrow$ invisibles searches with Z boson polarization. In *PHYSICAL REVIEW D*. ISSN 2470-0010, MAR 18 2019, vol. 99, no. 5., Registrované v: WOS

9. [1.1] CHANG, W.C. - MCCLELLAN, R.E. - PENG, J.C. - TERYAEV, O. Lepton angular distributions of fixed-target Drell-Yan experiments in perturbative QCD and a geometric approach. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 24 2019, vol. 99, no. 1., Registrované v: WOS
10. [1.1] MARTENS, John C. - RALSTON, John P. - TAKAKI, J. D. Tapia. Quantum tomography for collider physics: illustrations with lepton-pair production. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 78, no. 1, art. no. 5., Registrované v: WOS
11. [1.1] MOTYKA, Leszek - SADZIKOWSKI, Mariusz - STEBEL, Tomasz. Lam-Tung relation breaking in $Z(0)$ hadroproduction as a probe of parton transverse momentum. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 114025., Registrované v: WOS
12. [1.1] NEFEDOV, M.A. - SALEEV, V.A. High-energy factorization for the Drell-Yan process in pp and p(p)over-bar collisions with new unintegrated PDFs. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 8 2020, vol. 102, no. 11., Registrované v: WOS
13. [1.1] PENG, J.C. - BOER, D. - CHANG, W.C. - MCCLELLAN, R.E. - TERYAEV, O. On the rotational invariance and non-invariance of lepton angular distributions in Drell-Yan and quarkonium production. In PHYSICS LETTERS B. ISSN 0370-2693, FEB 10 2019, vol. 789, p. 356-359., Registrované v: WOS
14. [1.1] PENG, J.C. - CHANG, W.C. - MCCLELLAN, R.E. - TERYAEV, O. Lepton angular distribution of Z boson production and jet discrimination. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2019, vol. 797., Registrované v: WOS

ADCA406 AAD, G. - ABAJYAN, T. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the Azimuthal Angle Dependence of Inclusive Jet Yields in Pb plus Pb Collisions at $\sqrt{s(NN)}=2.76$ TeV with the ATLAS Detector. In *Physical Review Letters*, 2013, vol.111, no. 15, art. no. 152301. (2012: 7.943 - IF, Q1 - JCR, 6.292 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.111.152301>

Ohlasy:

1. [1.1] CAO, S.S. - MAJUMDER, A. Nuclear modification of leading hadrons and jets within a virtuality ordered parton shower. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 6 2020, vol. 101, no. 2., Registrované v: WOS
2. [1.1] CONNORS, Megan - NATTRASS, Christine - REED, Rosi - SALUR, Sevil. Jet measurements in heavy ion physics. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2018, vol. 90, no. 2, art. no. 025005., Registrované v: WOS
3. [1.1] MA, Guo-Liang. Reconstructed jets in a multi-phase transport model. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 363-367., Registrované v: WOS
4. [1.1] PANTUEV, V. S. Corona Effect in AA Collisions at the LHC. In JETP LETTERS. ISSN 0021-3640, 2017, vol. 105, no. 10, pp. 631-634., Registrované v: WOS

ADCA407 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of the azimuthal anisotropy of charged particles produced in root s NN=5.02 TeV Pb+ Pb collisions with the ATLAS detector. In *European Physical Journal C*, 2018, vol. 78, no. 12, art. no. 997. (2017: 5.172 - IF, Q1 - JCR, 2.022 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-018-6468-7>

Ohlasy:

1. [1.1] DJORDJEVIC, M. - STOJKU, S. - DJORDJEVIC, M. - HUOVINEN, P. Shape of the quark gluon plasma droplet reflected in the high-p(perpendicular to) data. In *PHYSICAL REVIEW C*. ISSN 2469-9985, SEP 12 2019, vol. 100, no. 3., Registrované v: WOS
2. [1.1] GAJDOSOVA, K.K. Collectivity in small and large collision systems at the LHC with ALICE. In *INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2018)*. ISSN 1742-6588, 2019, vol. 1271., Registrované v: WOS
3. [1.1] ZIGIC, D. - SALOM, I. - AUVINEN, J. - DJORDJEVIC, M. - DJORDJEVIC, M. DREENA-C framework: joint R(AA)and v(2) predictions and implications to QGP tomography. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*. ISSN 0954-3899, AUG 2019, vol. 46, no. 8., Registrované v: WOS
4. [1.1] ZIGIC, D. - SALOM, I. - AUVINEN, J. - DJORDJEVIC, M. - DJORDJEVIC, M. DREENA-B framework: First predictions of R-AA and v(2) within dynamical energy loss formalism in evolving QCD medium. In *PHYSICS LETTERS B*. ISSN 0370-2693, APR 10 2019, vol. 791, p. 236-241., Registrované v: WOS

ADCA408 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABED ABUD, A. - ABELING, K. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of the azimuthal anisotropy of charged-particle production in Xe plus Xe collisions at root S-NN=5.44 TeV with the ATLAS detector. In *Physical Review C*, 2020, vol. 101, no. 2, art. no. 024906. (2019: 2.988 - IF, Q2 - JCR, 1.270 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.101.024906>

Ohlasy:

1. [1.1] GIACALONE, G. Constraining the quadrupole deformation of atomic nuclei with relativistic nuclear collisions. In *PHYSICAL REVIEW C*. ISSN 0556-2813, AUG 3 2020, vol. 102, no. 2., Registrované v: WOS
2. [1.1] GIACALONE, G. Observing the Deformation of Nuclei with Relativistic Nuclear Collisions. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, MAY 19 2020, vol. 124, no. 20., Registrované v: WOS
3. [1.1] SHEN, C. - YAN, L. Recent development of hydrodynamic modeling in heavy-ion collisions. In *NUCLEAR SCIENCE AND TECHNIQUES*. ISSN 1001-8042, DEC 4 2020, vol. 31, no. 12., Registrované v: WOS

ADCA409 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the azimuthal anisotropy for charged particle production in root s(NN)=2.76 TeV lead-lead collisions with the ATLAS detector. In *Physical Review C. Nuclear physics*, 2012, vol. 86, no. 1, art. no. 014907. (2011: 3.308 - IF, 2.962 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.86.014907>

Ohlasy:

1. [1.1] ADAMOVA, D. - AGAKICHIEV, G. - ANDRONIC, A. - ANTONCZYK, D. - APPELSHAEUSER, H. - BELAGA, V. - BIELCIKOVA, J. - BRAUN-MUNZINGER, P. - BUSCH, O. - CHERLIN, A. - DAMJANOVIC, S. - DIETEL, T. - DIETRICH, L. - DREES, A. - DUBITZKY, W. - ESUMI, S. I. - FILIMONOV, K. - FOMENKO, K. - FRAENKEL, Z. - GARABATOS, C. - GLAESSEL, P. - HERING, G. - HOLECZEK, J. - KALISKY, M. - KARPENKO, Iu. - KROBATH, G. - KUSHPIL, V. - MAAS, A. - MARIN, A. - MILOSEVIC, J. - MISKOWIEC, D. - PANEBRATTSEV, Y. - PETCHENOVA, O. - PETRACEK, V. - RADOMSKI, S. - RAK, J. - RAVINOVICH, I. - REHAK, P. - SAKO, H. - SCHMITZ, W. - SCHUCHMANN, S. - SEDYKH, S. - SHIMANSKY, S. - STACHEL, J. - SUMBERA, M. - TILSNER, H. - TSERRUYA, I. - TSILEDAKIS, G. - WESSELS, J. P. - WIENOLD, T. - WURM, J. P. - YUREVICH, S. - YUREVICH, V. Triangular flow of negative pions emitted in PbAu collisions at root s(NN)=17.3 GeV. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2017, vol. 957, 99-108., Registrované v: WOS
2. [1.1] ALBA, Paolo - ALBERICO, Wanda Maria - NADA, Alessandro - PANERO, Marco - STOECKER, Horst. Excluded-volume effects for a hadron gas in Yang-Mills theory. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 094511., Registrované v: WOS
3. [1.1] AMBRUS, Victor E. - BLAGA, Robert. High-order quadrature-based lattice Boltzmann models for the flow of ultrarelativistic rarefied gases. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 035201., Registrované v: WOS
4. [1.1] ARMESTO, Nestor - SCOMPARIN, Enrico. Heavy-ion collisions at the Large Hadron Collider: A review of the results from Run 1. In *EUROPEAN PHYSICAL JOURNAL PLUS*. ISSN 2190-5444, 2016, vol. 131, no. 3, art. no. 52., Registrované v: WOS
5. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In *MULTIPLE PARTON INTERACTIONS AT THE LHC*. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
6. [1.1] BELLWIED, Rene. Exploring the Phase Diagram of Nuclear Matter with Relativistic Heavy Ion Collisions. In *XXXVII BRAZILIAN MEETING ON NUCLEAR PHYSICS*. ISSN 1742-6588, 2015, vol. 630, art. no. 012053., Registrované v: WOS
7. [1.1] BETZ, Barbara - GYULASSY, Miklos. The Effect of Transverse Flow on the Nuclear Modification Factor at RHIC and LHC. In *XITH CONFERENCE ON QUARK CONFINEMENT AND HADRON SPECTRUM*. ISSN 0094-243X, 2016, vol. 1701, art. no. 060006., Registrované v: WOS
8. [1.1] BHALERAO, Rajeev S. - JAISWAL, Amaresh - PAL, Subrata. Collective flow in event-by-event partonic transport plus hydrodynamics hybrid approach. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2015, vol. 92, no. 1, art.

no. 014903., Registrované v: WOS

9. [1.1] BHALERAO, R.S. - GIACALONE, G. - GUERRERO-RODRIGUEZ, P. - LUZUM, M. - MARQUET, C. - OLLITRAULT, J.Y. RELATING ECCENTRICITY FLUCTUATIONS TO DENSITY FLUCTUATIONS IN HEAVY-ION COLLISIONS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, JUN 2019, vol. 50, no. 6, p. 1165-1176., Registrované v: WOS

10. [1.1] BIERLICH, C. - RASMUSSEN, C.O. Dipole evolution: perspectives for collectivity and gamma*A collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 4 2019, no. 10., Registrované v: WOS

11. [1.1] BOZEK, Piotr - BRONIOWSKI, Wojciech - RYBCZYNSKI, Maciej. Wounded quarks in A plus A, p plus A, and p plus p collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 1, art. no. 014902., Registrované v: WOS

12. [1.1] BRAUN-MUNZINGER, Peter - KOCH, Volker - SCHAEFER, Thomas - STACHEL, Johanna. Properties of hot and dense matter from relativistic heavy ion collisions. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2016, vol. 621, pp. 76-126., Registrované v: WOS

13. [1.1] BRAVINA, L. V. - FOTINA, E. S. - KOROTKIKH, V. L. - LOKHTIN, I. P. - MALININA, L. V. - NAZAROVA, E. N. - PETRUSHANKO, S. V. - SNIGIREV, A. M. - ZABRODIN, E. E. Anisotropic flow fluctuations in hydro-inspired freeze-out model for relativistic heavy ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 12, art. no. 588., Registrované v: WOS

14. [1.1] BRAVINA, L. - BLEIBEL, J. - ZABRODIN, E. E. On the origin of forward-backward multiplicity correlations in pp collisions at ultrarelativistic energies. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 787, pp. 146-152., Registrované v: WOS

15. [1.1] BURKA, K. MEASUREMENTS OF FOURIER HARMONICS OF AZIMUTHAL ANISOTROPY IN Pb plus Pb AND Xe plus Xe COLLISIONS. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, p. 253-259., Registrované v: WOS

16. [1.1] BZDAK, Adam - MA, Guo-Liang. Elliptic flow coefficients from transverse momentum conservation. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 1, art. no. 014903., Registrované v: WOS

17. [1.1] CAO, Shanshan - QIN, Guang-You - BASS, Steffen A. Modeling of heavy-flavor pair correlations in Au-Au collisions at 200A GeV at the BNL Relativistic Heavy Ion Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 5, art. no. 054909., Registrované v: WOS

18. [1.1] CAO, Shanshan - QIN, Guang-You - BASS, Steffen A. Energy loss, hadronization, and hadronic interactions of heavy flavors in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 2, art. no. 024907., Registrované v: WOS

19. [1.1] CASALDERREY-SOLANA, Jorge - GROZDANOV, Saso - STARINETS, Andrei O. Transport Peak in the Thermal Spectral Function of N=4 Supersymmetric Yang-Mills Plasma at Intermediate Coupling. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 19, art.

no. 191603., Registrované v: WOS

20. [1.1] CASALDERREY-SOLANA, Jorge - GUSHTEROV, Nikola I. - MEIRING, Ben. Resurgence and hydrodynamic attractors in Gauss-Bonnet holography. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 4, art. no. 042., Registrované v: WOS

21. [1.1] CIMERMAN, Jakub - TOMASIK, Boris - CSANAD, Mate - LOKOS, Sandor. Higher-order anisotropies in the blast-wave model: Disentangling flow and density field anisotropies. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 8, art. no. 161., Registrované v: WOS

22. [1.1] CIRKOVIC, P. - DEVETAK, D. - DORDEVIC, M. - MILOSEVIC, J. - STOJANOVIC, M. Sub-leading flow modes in PbPb collisions at root s(NN)=2.76 TeV from the HYDJET plus plus model. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 7, art. no. 074001., Registrované v: WOS

23. [1.1] CIRKOVIC, P. - MILOSEVIC, J. - NADDERD, L. - WANG, F. - ZHU, X. Skewness of the elliptic flow distribution in root S-NN=5.02 TeV PbPb collisions from the HYDJET plus plus model. In PHYSICAL REVIEW C. ISSN 2469-9985, MAR 12 2020, vol. 101, no. 3., Registrované v: WOS

24. [1.1] CRKOVSKA, J. - BIELCIK, J. - BRAVINA, L. - JOHANSSON, B. H. Brusheim - ZABRODIN, E. - EYYUBOVA, G. - KOROTKIKH, V. L. - LOKHTIN, I. P. - MALININA, L. V. - PETRUSHANKO, S. V. - SNIGIREV, A. M. Influence of jets and decays of resonances on the triangular flow in ultrarelativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 1, art. no. 014910., Registrované v: WOS

25. [1.1] DAINESE, Andrea. Experimental Observables. In MEASUREMENT OF THE D0 MESON PRODUCTION IN PB-PB AND P-PB COLLISIONS: A STUDY PERFORMED WITH THE ALICE EXPERIMENT AT THE LHC. ISSN 2190-5053, 2016, pp. 71-79., Registrované v: WOS

26. [1.1] DAINESE, Andrea. Heavy-Flavour Probes in Heavy-Ion Collisions. In MEASUREMENT OF THE D0 MESON PRODUCTION IN PB-PB AND P-PB COLLISIONS: A STUDY PERFORMED WITH THE ALICE EXPERIMENT AT THE LHC. ISSN 2190-5053, 2016, pp. 23-49., Registrované v: WOS

27. [1.1] DASGUPTA, Pingal - CHATTERJEE, Rupa - SRIVASTAVA, Dinesh K. Spectra and elliptic flow of thermal photons from full-overlap U plus U collisions at energies available at the BNL Relativistic Heavy Ion Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 064907., Registrované v: WOS

28. [1.1] DERRADI DE SOUZA, R. - KOIDE, T. - KODAMA, T. Hydrodynamic approaches in relativistic heavy ion reactions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 86, pp. 35-85., Registrované v: WOS

29. [1.1] DIAMANTINI, M. Cristina - KHARZEEV, Dmitri - MOLOCHKOV, Alexander - SCHAFER, Thomas - SULEJMANPASIC, Tin. Round table: What can we learn about confinement and anomalous effects in QCD using analog systems? In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 01002., Registrované v: WOS

30. [1.1] DORDEVIC, M. - MILOSEVIC, J. - NADDERD, L. - STOJANOVIC, M. - WANG, F. - ZHU, X. Correlations between azimuthal anisotropy Fourier harmonics in PbPb collisions at root S-NN=2.76 TeV in the HYDJET plus plus model and in the multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 10 2020, vol. 101, no. 1., Registrované v: WOS
31. [1.1] DUSLING, Kevin - LI, Wei - SCHENKE, Bjoern. Novel collective phenomena in high-energy proton-proton and proton-nucleus collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 1, art. no. 1630002., Registrované v: WOS
32. [1.1] ESPOSITO, Angelo - GYULASSY, Miklos. Hadronization scheme dependence of long-range azimuthal harmonics in high energy p plus A reactions. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 433-440., Registrované v: WOS
33. [1.1] EYYUBOVA, G. - KOROTKIKH, V. L. - LOKHTIN, I. P. - PETRUSHANKO, S. V. - SNIGIREV, A. M. - BRAVINA, L. - ZABRODIN, E. E. Angular dihadron correlations as an interplay between elliptic and triangular flows. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 6, art. no. 064907., Registrované v: WOS
34. [1.1] FADAFAN, Kazem Bitaghsir - MORAD, Raziieh. Jets in a strongly coupled anisotropic plasma. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 1, art. no. 16., Registrované v: WOS
35. [1.1] FLOERCHINGER, S. - GROSSI, E. - LION, J. Fluid dynamics of heavy ion collisions with mode expansion. In PHYSICAL REVIEW C. ISSN 2469-9985, JUL 15 2019, vol. 100, no. 1., Registrované v: WOS
36. [1.1] GAVIN, Sean - MOSCHELLI, George - ZIN, Christopher. Rapidity correlation structure in nuclear collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024921., Registrované v: WOS
37. [1.1] GAVIN, Sean - MOSCHELLI, George - ZIN, Christopher. Boltzmann-Langevin approach to pre-equilibrium correlations in nuclear collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 064901., Registrované v: WOS
38. [1.1] GELIS, Francois - SCHENKE, Bjorn. Initial-State Quantum Fluctuations in the Little Bang. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 66. ISSN 0163-8998, 2016, vol. 66, pp. 73-94., Registrované v: WOS
39. [1.1] GIACALONE, Giuliano - YAN, Li - NORONHA-HOSTLER, Jacquelyn - OLLITRAULT, Jean-Yves. Symmetric cumulants and event-plane correlations in Pb plus Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 1, art. no. 014906., Registrované v: WOS
40. [1.1] GIACALONE, Giuliano - YAN, Li - OLLITRAULT, Jean-Yves. Nonlinear coupling of flow harmonics: Hexagonal flow and beyond. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 5, art. no. 054905., Registrované v: WOS
41. [1.1] GIACALONE, G. - GUERRERO-RODRIGUEZ, P. - LUZUM, M. - MARQUET, C. - OLLITRAULT, J.Y. Fluctuations in heavy-ion collisions generated by QCD interactions in the color glass condensate effective theory. In PHYSICAL REVIEW C. ISSN 2469-9985, AUG 8 2019, vol. 100, no. 2., Registrované v: WOS

42. [1.1] HAN, Seyoung - ESUMI, ShinIchi - SATO, Kazuki - NAKAGAWA, Itaru - TODOROKI, Takahito. A New Baseline Subtraction Method for Di-hadron Correlations in High-multiplicity Small System Collisions. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2018, vol. 73, no. 5, pp. 677-683., Registrované v: WOS
43. [1.1] HEINZ, Ulrich. Quark-gluon soup The perfectly liquid phase of QCD. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 2, art. no. 1530011., Registrované v: WOS
44. [1.1] HE, Yuncun - LIN, Zi-Wei. Improved quark coalescence for a multi-phase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 1, art. no. 014910., Registrované v: WOS
45. [1.1] HIRANO, T. - KURITA, R. - MURASE, K. Hydrodynamic fluctuations of entropy in one-dimensionally expanding system. In NUCLEAR PHYSICS A. ISSN 0375-9474, APR 2019, vol. 984, p. 44-67., Registrované v: WOS
46. [1.1] CHATTERJEE, Rupa - SRIVASTAVA, Dinesh K. - RENK, Thorsten. Triangular flow of thermal photons from an event-by-event hydrodynamic model for 2.76A TeV Pb + Pb collisions at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 1, art. no. 014903., Registrované v: WOS
47. [1.1] CHATTOPADHYAY, Chandrodoy - PAL, Subrata. Thermal noise in non-boost-invariant dissipative hydrodynamics. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034911., Registrované v: WOS
48. [1.1] CHATTOPADHYAY, Chandrodoy - BHALERAO, Rajeev S. - PAL, Subrata. Thermal noise in a boost-invariant matter expansion in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 5, art. no. 054902., Registrované v: WOS
49. [1.1] CHATTOPADHYAY, Chandrodoy - BHALERAO, Rajeev S. - OLLITRAULT, Jean-Yves - PAL, Subrata. Effects of initial-state dynamics on collective flow within a coupled transport and viscous hydrodynamic approach. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034915., Registrované v: WOS
50. [1.1] CHRISTAKOGLU, Panos. Experimental overview of collective flow with identified particles at RHIC and the LHC. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. UNSP 08004., Registrované v: WOS
51. [1.1] JAISWAL, Amaresh - BHADURI, Partha Pratim. Effect of an anisotropic escape mechanism on elliptic flow in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 4, art. no., Registrované v: WOS
52. [1.1] JAISWAL, Amaresh - BHADURI, Partha Pratim. Effect of an anisotropic escape mechanism on elliptic flow in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 4, art. no. 044909., Registrované v: WOS
53. [1.1] JAISWAL, Amaresh - FRIMAN, Bengt - REDLICH, Krzysztof. Relativistic second-order dissipative hydrodynamics at finite chemical potential. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 751, pp. 548-552., Registrované v: WOS

54. [1.1] JAISWAL, Amaresh - KOCH, Volker. A viscous blast-wave model for high energy heavy-ion collisions. In XLV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2015). ISSN 2100-014X, 2016, vol. 120, art. no. 06001., Registrované v: WOS
55. [1.1] JAISWAL, Amaresh - KOCH, Volker. A viscous blast-wave model for heavy-ion collisions. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012065., Registrované v: WOS
56. [1.1] JOHANSSON, Bengt Henrik Brusheim. Investigation of particle coherence in Pb plus Pb collisions at LHC. In 4TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2016, vol. 126, art. no. UNSP 04007., Registrované v: WOS
57. [1.1] JOHANSSON, B. H. Brusheim - BRAVINA, L. V. - EYYUBOVA, G. Kh. - KHOROKTIKH, V. L. - LOKHTIN, I. P. - MALININA, L. V. - PETRUSHANKO, S. P. - SNIGIREV, A. M. - ZABRODIN, E. E. Generation of higher flow harmonics in Pb plus Pb collisions at LHC in HYDJET plus plus model. In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, art. no. 012046., Registrované v: WOS
58. [1.1] KATZ, R. - PRADO, C.A.G. - NORONHA-HOSTLER, J. - NORONHA, J. - SUAIDE, A.A.P. Sensitivity study with a D and B mesons modular simulation code of heavy flavor R-AA and azimuthal anisotropies based on beam energy, initial conditions, hadronization, and suppression mechanisms. In PHYSICAL REVIEW C. ISSN 0556-2813, AUG 10 2020, vol. 102, no. 2., Registrované v: WOS
59. [1.1] KOPECNA, Renata - TOMASIK, Boris. Event shape sorting. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 4, art. no. 115., Registrované v: WOS
60. [1.1] KOPECNA, Renata - TOMASIK, Boris. EVENT SHAPE ANALYSIS IN ULTRARELATIVISTIC NUCLEAR COLLISIONS. In XI WORKSHOP ON PARTICLE CORRELATIONS AND FEMTOSCOPY AND NICA DAYS 2015. ISSN 1899-2358, 2016, vol. 9, no. 2, pp. 247-250., Registrované v: WOS
61. [1.1] LACEY, Roy A. - REYNOLDS, D. - TARANENKO, A. - AJITANAND, N. N. - ALEXANDER, J. M. - LIU, Fu-Hu - GU, Yi - MWAI, A. Acoustic scaling of anisotropic flow in shape-engineered events: implications for extraction of the specific shear viscosity of the quark gluon plasma. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 10, art. no. 10LT01., Registrované v: WOS
62. [1.1] LI, Wei. Collective flow from AA, pA to pp collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 59-66., Registrované v: WOS
63. [1.1] LOIZIDES, Constantin. Experimental overview on small collision systems at the LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 200-207., Registrované v: WOS
64. [1.1] MARROCHIO, Hugo - NORONHA, Jorge - DENICOL, Gabriel S. - LUZUM, Matthew - JEON, Sangyong - GALE, Charles. Solutions of conformal Israel-Stewart relativistic viscous fluid dynamics. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 91, no. 1, art. no. 014903., Registrované v: WOS

65. [1.1] MAZELIAUSKAS, Aleksas - TEANEY, Derek. Fluctuations of harmonic and radial flow in heavy ion collisions with principal components. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 2, art. no. 024913., Registrované v: WOS
66. [1.1] MA, Guo-Liang - LIN, Zi-Wei. Predictions for root s(NN)=5.02 TeV Pb + Pb collisions from a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 5, art. no. 054911., Registrované v: WOS
67. [1.1] NAHRGANG, Marlene - AICHELIN, Joerg - BASS, Steffen - GOSSIAUX, Pol Bernard - WERNER, Klaus. Elliptic and triangular flow of heavy flavor in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 1, art. no. 014904., Registrované v: WOS
68. [1.1] NAHRGANG, Marlene - AICHELIN, Joerg - GOSSIAUX, Pol Bernard - WERNER, Klaus. Open heavy-flavor observables at the LHC and the importance of higher-order flow harmonics. In 15TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2015). ISSN 1742-6588, 2016, vol. 668, art. no. 012024., Registrované v: WOS
69. [1.1] NATTRASS, Christine - TODOROKI, Takahito. Event plane dependence of the flow modulated background in dihadron and jet-hadron correlations in heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 5, art. no. 054911., Registrované v: WOS
70. [1.1] NATTRASS, Christine. Reexamining the iconic dihadron correlation measurement demonstrating jet quenching. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034916., Registrované v: WOS
71. [1.1] NORONHA-HOSTLER, Jacquelyn - LUZUM, Matthew - OLLITRAULT, Jean-Yves. Hydrodynamic predictions for 5.02 TeV Pb-Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 3, art. no. 034912., Registrované v: WOS
72. [1.1] OKAMOTO, Kazuhisa - AKAMATSU, Yukinao - NONAKA, Chiho. A new relativistic hydrodynamics code for high-energy heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 10., Registrované v: WOS
73. [1.1] PAL, Subrata. Transport models for relativistic heavy-ion collisions at Relativistic Heavy Ion Collider and Large Hadron Collider. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2015, vol. 84, no. 5, pp. 717-730., Registrované v: WOS
74. [1.1] PANG, Long-Gang - QIN, Guang-You - ROY, Victor - WANG, Xin-Nian - MA, Guo-Liang. Longitudinal decorrelation of anisotropic flows in heavy-ion collisions at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 91, no. 4, art. no. 044904., Registrované v: WOS
75. [1.1] PLUMARI, Salvatore - GUARDO, Giovanni Luca - SCARDINA, Francesco - GRECO, Vincenzo. Anisotropic flows and the shear viscosity of the QGP within an event by event transport approach. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 276, pp. 165-168., Registrované v: WOS
76. [1.1] PLUMARI, Salvatore - SCARDINA, Francesco - MINISSALE, Vincenzo - OLIVA, Lucia - GRECO, Vincenzo. Initial State fluctuations from midperipheral to ultracentral collisions in a transport approach. In TNPI2016 XV CONFERENCE ON THEORETICAL NUCLEAR PHYSICS IN ITALY. ISSN

- 1742-6588, 2018, vol. 981, art. no. 012017., Registrované v: WOS
77. [1.1] PLUMARI, S. Anisotropic flows and the shear viscosity of the QGP within an event-by-event massive parton transport approach. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 3 2019, vol. 79, no. 1., Registrované v: WOS
78. [1.1] PLUMARI, S. - GUARDO, G. L. - SCARDINA, F. - GRECO, V. Initial-state fluctuations from midperipheral to ultracentral collisions in an event-by-event transport approach. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 5, art. no. 054902., Registrované v: WOS
79. [1.1] QIN, Guang-You. Anisotropic flow and jet quenching in relativistic nuclear collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2015, vol. 24, no. 2, art. no. 1530001., Registrované v: WOS
80. [1.1] RODE, Sudhir Pandurang - BHADURI, Partha Pratim - JAISWAL, Amaresh - ROY, Ankhi. Kinetic freeze-out conditions in nuclear collisions with 2A-158A GeV beam energy within a non-boost-invariant blast-wave model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 024907., Registrované v: WOS
81. [1.1] RODE, S.P. - BHADURI, P.P. - ROY, A. Anisotropic flow of charged and identified hadrons at FAIR energies and its dependence on the nuclear equation of state. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, NOV 2019, vol. 55, no. 11., Registrované v: WOS
82. [1.1] RODE, S.P. - BHADURI, P.P. - JAISWAL, A. - ROY, A. Hierarchy of kinetic freeze-out parameters in low-energy heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 23 2020, vol. 102, no. 5., Registrované v: WOS
83. [1.1] ROLAND, Gunther. Long-range correlations in high multiplicity pp and pA collisions. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2015, vol. 84, no. 5, pp. 731-746., Registrované v: WOS
84. [1.1] ROMATSCHKE, Paul. Azimuthal anisotropies at high momentum from purely non-hydrodynamic transport. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 8, art. no. 636., Registrované v: WOS
85. [1.1] RU, P. - ZHANG, W.N. Long-range azimuthal correlations for partially coherent pion emission in proton-proton collisions. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS
86. [1.1] SAHOO, B. - NANDI, B.K. - PUJAHARI, P. - BASU, S. - PRUNEAU, C. Simulation studies of R-2(Delta eta, Delta phi) and P-2(Delta eta, Delta phi) correlation functions in pp collisions with the PYTHIA and HERWIG models. In PHYSICAL REVIEW C. ISSN 2469-9985, AUG 21 2019, vol. 100, no. 2., Registrované v: WOS
87. [1.1] SAKAI, A. - MURASE, K. - HIRANO, T. Rapidity decorrelation of anisotropic flow caused by hydrodynamic fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, DEC 2 2020, vol. 102, no. 6., Registrované v: WOS
88. [1.1] SARKAR, Sreemoyee - CHATTOPADHYAY, Chandrodoy - PAL, Subrata. Radiative heavy quark energy loss in an expanding viscous QCD plasma. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 6, art. no. 064916., Registrované v: WOS
89. [1.1] SEN, Abhisek - GERHARD, Jochen - TORRIERI, Giorgio -

READ, Kenneth - WONG, Cheuk-Yin. Longitudinal hydrodynamics from event-by-event Landau initial conditions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 2, art. no. 024901., Registrované v: WOS
 90. [1.1] SEN, Abhisek - GERHARD, Jochen - TORRIERI, Giorgio - READ, Kenneth - WONG, Cheuk-Yin. Hydrodynamics from Landau initial conditions. In XXXVII BRAZILIAN MEETING ON NUCLEAR PHYSICS. ISSN 1742-6588, 2015, vol. 630, art. no. 012042., Registrované v: WOS
 91. [1.1] SHEN, Chun - QIU, Zhi - HEINZ, Ulrich. Shape and flow fluctuations in ultracentral Pb plus Pb collisions at the energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 1, art. no. 014901., Registrované v: WOS
 92. [1.1] SCHENKE, Bjoern - SCHLICHTING, Soeren - VENUGOPALAN, Raju. Azimuthal anisotropies in p plus Pb collisions from classical Yang-Mills dynamics. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 76-82., Registrované v: WOS
 93. [1.1] SCHUKRAFT, Jurgen. QM2017: Status and Key open Questions in Ultra-Relativistic Heavy-Ion Physics. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 1-10., Registrované v: WOS
 94. [1.1] SICKLES, Anne M. d plus Au hadron correlation measurements from PHENIX. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 352, pp. 78-83., Registrované v: WOS
 95. [1.1] SONG, Huichao. Hydrodynamic modelling for relativistic heavy-ion collisions at RHIC and LHC. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2015, vol. 84, no. 5, pp. 703-715., Registrované v: WOS
 96. [1.1] STASTO, Anna M. - ZASLAVSKY, David. Saturation in inclusive production beyond leading logarithm accuracy. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 24, art. no. 1630039., Registrované v: WOS
 97. [1.1] SUN, Yifeng - KO, Che Ming. Three-particle correlations in a multiphase transport model. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 769, pp. 219-222., Registrované v: WOS
 98. [1.1] TROSHIN, S. M. - TYURIN, N. E. Anisotropic flow in pp-collisions at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2015, vol. 24, no. 8, art. no. 1550066., Registrované v: WOS
 99. [1.1] WANG, F.T. - XU, J. Hadronization using the Wigner function approach for a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, DEC 20 2019, vol. 100, no. 6., Registrované v: WOS
 100. [1.1] WEI, D.X. Transverse momentum dependent decorrelation in Pb-Pb collisions at LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, AUG 2020, vol. 29, no. 8., Registrované v: WOS
 101. [1.1] XIAO, Kai - YI, Li - LIU, Feng - WANG, Fuqiang. Factorization of event-plane correlations over transverse momentum in relativistic heavy ion collisions in a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024905., Registrované v: WOS
 102. [1.1] XU, Hao-jie - LI, Zhuopeng - SONG, Huichao. High-order flow harmonics of identified hadrons in 2.76A TeV Pb plus Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 6, art. no. 064905.,

Registrované v: WOS

103. [1.1] YANG, J. - ZHANG, Y. - ZHANG, W.N. Hydrodynamical response of plane correlation in Pb plus Pb collisions at root s(NN)=2.76 TeV. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, OCT 2019, vol. 28, no. 10., Registrované v: WOS

104. [1.1] YAN, Y.L. - LIMPHIRAT, A. - ZHOU, D.M. - SRISAWAD, P. - YAN, Y.P. - YANG, C.B. - CAI, X. - SA, B. Comparative study of the forward and backward methods for calculating jet properties in pp collisions at root s=7 TeV. In CHINESE PHYSICS C. ISSN 1674-1137, MAR 2020, vol. 44, no. 3., Registrované v: WOS

105. [1.1] YIN, Yi - LIAO, Jinfeng. Hydrodynamics with chiral anomaly and charge separation in relativistic heavy ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 756, pp. 42-46., Registrované v: WOS

106. [1.1] ZHANG, Chun-Jian - XU, Jun. Investigating the scaling of higher-order flows in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 2, art. no. 024906., Registrované v: WOS

107. [1.1] ZHANG, S. - MA, Y. G. - CHEN, J. H. - HE, W. B. - ZHONG, C. Collective flows of alpha-clustering C-12 + Au-197 by using different flow analysis methods. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 9, art. no. 161., Registrované v: WOS

108. [1.1] ZHANG, S. - MA, Y.G. - MA, G.L. - CHEN, J.H. - SHOU, Q.Y. - HE, W.B. - ZHONG, C. Collision system size scan of collective flows in relativistic heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, MAY 10 2020, vol. 804., Registrované v: WOS

109. [1.1] ZHAO, Wenbin - XU, Hao-jie - SONG, Huichao. Collective flow in 2.76 and 5.02 A TeV Pb + Pb collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 645., Registrované v: WOS

ADCA410 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the azimuthal ordering of charged hadrons with the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2012, vol. 86, no. 5, art. no. 052005. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Ohlasy:

1. [1.1] CACCIARI, Matteo - MANGANO, Michelangelo L. - NASON, Paolo. Gluon PDF constraints from the ratio of forward heavy-quark production at the LHC at root S=7 and 13 TeV. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 12, art. no. 610., Registrované v: WOS

ADCA411 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Measurement of the Bottom-Strange Meson Mixing Phase in the Full CDF Data Set. In *Physical Review Letters*, 2012, vol. 109, no. 17, art. no. 171802. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.109.171802>

Ohlasy:

1. [1.1] DUTTA, Bhaskar - MIMURA, Yukihiro. Enhancement of $\text{Br}(B \rightarrow d \mu^+ \mu^-) / \text{Br}(B \rightarrow s \mu^+ \mu^-)$ in supersymmetric unified models.

In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 095011., Registrované v: WOS

2. [1.1] HOU, Wei-Shu - KOHDA, Masaya - XU, Fanrong. Correlating $B\text{-}q(0)^+ \rightarrow \mu^+ \mu^-$ and $K\text{-}L \rightarrow \pi(0) \nu \bar{\nu}$ decays with four generations. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 751, pp. 458-463., Registrované v: WOS

3. [1.1] LENZ, Alexander. Lifetimes and heavy quark expansion. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 10, art. no. 1543005., Registrované v: WOS

4. [1.1] LIANG, Wei-Hong - XIE, Ju-Jun - OSET, E. $(B)^+ \rightarrow (B)^0$, B and $(B)^0 \rightarrow (B)^+ (S)^0$ decays into J/ψ and K (K) \bar{K} or π η . In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 12, art. no. 609., Registrované v: WOS

ADCA412 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCÉI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the b -hadron production cross section using decays to $D^{*+} \mu^- X$ final states in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *Nuclear Physics B*, 2012, vol. 864, no. 3, p. 341-381. (2011: 4.661 - IF, Q1 - JCR, 2.986 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0550-3213. Dostupné na: <https://doi.org/10.1016/j.nuclphysb.2012.07.009>

Ohlasy:

1. [1.1] BUONOCORE, Luca - NASON, Paolo - TRAMONTANO, Francesco. Heavy quark radiation in NLO plus PS POWHEG generators. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 2, art. no. 151., Registrované v: WOS

2. [1.1] D'ENTERRIA, D. - SHAO, H.S. Rare two-body decays of the top quark into a bottom meson plus an up or charm quark. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 20 2020, no. 7., Registrované v: WOS

3. [1.1] KNIEHL, B. A. - KRAMER, G. - SCHIENBEIN, I. - SPIESBERGER, H. Inclusive B -meson production at small $p(T)$ in the general-mass variable-flavor-number scheme. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 3, art. no. 140., Registrované v: WOS

4. [1.1] VOGT, R. Heavy flavor azimuthal correlations in cold nuclear matter. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034907., Registrované v: WOS

ADCA413 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the $b(b)^+ \rightarrow \text{dijet}$ cross section in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *European Physical Journal C*, 2016, vol. 76, no. 12, art. no. 670. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4521-y>

Ohlasy:

1. [1.1] BISHARA, Fady - CONTINO, Roberto - ROJO, Juan. Higgs pair production in vector-boson fusion at the LHC and beyond. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 7, art. no. 481.,

Registrované v: WOS

2. [1.1] FARINA, M. - MONDINO, C. - PAPPADOPULO, D. - RUDERMAN, J.T. New physics from high energy tops. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 31 2019, no. 1., Registrované v: WOS

ADCA414 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the centrality and pseudorapidity dependence of the integrated elliptic flow in lead-lead collisions at root S-NN=2.76 TeV with the ATLAS detector. In *European Physical Journal C*, 2014, vol. 74, no. 8, art. no. 2982. (2013: 5.436 - IF, Q1 - JCR, 2.323 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1434-6044.

Ohlasy:

1. [1.1] BRAVINA, L. V. - FOTINA, E. S. - KOROTKIKH, V. L. - LOKHTIN, I. P. - MALININA, L. V. - NAZAROVA, E. N. - PETRUSHANKO, S. V. - SNIGIREV, A. M. - ZABRODIN, E. E. Anisotropic flow fluctuations in hydro-inspired freeze-out model for relativistic heavy ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 12, art. no. 588., Registrované v: WOS

2. [1.1] DERRADI DE SOUZA, R. - KOIDE, T. - KODAMA, T. Hydrodynamic approaches in relativistic heavy ion reactions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 86, pp. 35-85., Registrované v: WOS

3. [1.1] HELENIUS, Ilkka - PAUKKUNEN, Hannu - ESKOLA, Kari J. Neutron-skin effect in direct-photon and charged-hadron production in Pb plus Pb collisions at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 3, art. no. 148., Registrované v: WOS

4. [1.1] LOIZIDES, Constantin. Experimental overview on small collision systems at the LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 200-207., Registrované v: WOS

5. [1.1] MA, Guo-Liang - LIN, Zi-Wei. Predictions for root s(NN)=5.02 TeV Pb + Pb collisions from a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 5, art. no. 054911., Registrované v: WOS

6. [1.1] ZHOU, You. Overview of recent azimuthal correlation measurements from ALICE. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 01019., Registrované v: WOS

7. [1.1] ZHOU, You. Review of Anisotropic Flow Correlations in Ultrarelativistic Heavy-Ion Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 9365637., Registrované v: WOS

ADCA415 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the centrality dependence of the charged particle pseudorapidity distribution in lead-lead collisions at root s(NN)=2.76 TeV with the ATLAS detector. In *Physics Letters B*, 2012, vol. 710, no. 3, p. 363-382. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2012.02.045>

Ohlasy:

1. [1.1] ABDEL-WAGED, Khaled - FELEMBAN, Nuha. Kinematic constraints on interacting nucleons in Pb plus Pb collisions at root $s(NN)=2.76$ TeV within the HIJING code. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 2, art. no. 024910., Registrované v: WOS
2. [1.1] AGEEV, D. S. - AREF'EVA, I. Ya. Holographic thermalization in a quark confining background. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2015, vol. 120, no. 3, pp. 436-443., Registrované v: WOS
3. [1.1] AREF'EVA, Irina. Holographic description of QGP production in heavy ion collisions. In XITH CONFERENCE ON QUARK CONFINEMENT AND HADRON SPECTRUM. ISSN 0094-243X, 2016, vol. 1701, art. no. UNSP 090001., Registrované v: WOS
4. [1.1] AREF'EVA, Irina. Holography for Heavy Ions Collisions at LHC and NICA. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 01014., Registrované v: WOS
5. [1.1] AREF'EVA, Irina. Multiplicity and thermalization time in heavy-ions collisions. In 19TH INTERNATIONAL SEMINAR ON HIGH ENERGY PHYSICS (QUARKS-2016). ISSN 2100-014X, 2016, vol. 125, art. no. UNSP 01007., Registrované v: WOS
6. [1.1] AREF'EVA, I. Ya. FORMATION TIME OF QUARK-GLUON PLASMA IN HEAVY-ION COLLISIONS IN THE HOLOGRAPHIC SHOCK WAVE MODEL. In THEORETICAL AND MATHEMATICAL PHYSICS. ISSN 0040-5779, 2015, vol. 184, no. 3, pp. 1239-1255., Registrované v: WOS
7. [1.1] AREF'EVA, I. - RANNU, K. - SLEPOV, P. Orientation dependence of confinement-deconfinement phase transition in anisotropic media. In PHYSICS LETTERS B. ISSN 0370-2693, MAY 10 2019, vol. 792, p. 470-475., Registrované v: WOS
8. [1.1] ARMESTO, Nestor - SCOMPARIN, Enrico. Heavy-ion collisions at the Large Hadron Collider: A review of the results from Run 1. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2016, vol. 131, no. 3, art. no. 52., Registrované v: WOS
9. [1.1] BASU, Sumit - NAYAK, Tapan K. - DATTA, Kaustuv. Beam energy dependence of pseudorapidity distributions of charged particles produced in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 6, art. no. 064902., Registrované v: WOS
10. [1.1] BERNHARD, J.E. - MORELAND, J.S. - BASS, S.A. Bayesian estimation of the specific shear and bulk viscosity of quark-gluon plasma. In NATURE PHYSICS. ISSN 1745-2473, NOV 2019, vol. 15, no. 11, p. 1113-+., Registrované v: WOS
11. [1.1] BRONIOWSKI, Wojciech - BOZEK, Piotr. Simple model for rapidity fluctuations in the initial state of ultrarelativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 6, art. no. 064910., Registrované v: WOS
12. [1.1] BUSZA, Wit - RAJAGOPAL, Krishna - VAN DER SCHEE, Wilke. Heavy Ion Collisions: The Big Picture and the Big Questions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 68. ISSN 0163-8998, 2018, vol. 68, pp. 339-376., Registrované v: WOS
13. [1.1] CALCAGNI, L. - GARCIA CANAL, C. A. - SCIUTTO, S. J. -

- TARUTINA, T. LHC updated hadronic interaction packages analyzed up to cosmic-ray energies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 8, art. no. 083003., Registrované v: WOS
14. [1.1] CONNORS, Megan - NATTRASS, Christine - REED, Rosi - SALUR, Sevil. Jet measurements in heavy ion physics. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2018, vol. 90, no. 2, art. no. 025005., Registrované v: WOS
15. [1.1] DUMITRU, Adrian - GIANNINI, Andre V. - LUZUM, Matthew - NARA, Yasushi. Particle multiplicities in the central region of high-energy collisions from k(T)-factorization with running coupling corrections. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 784, pp. 417-422., Registrované v: WOS
16. [1.1] DURAES, F. O. - GIANNINI, A. V. - GONCALVES, V. P. - NAVARRA, F. S. Testing the running coupling k(T)-factorization formula for the inclusive gluon production. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 054023., Registrované v: WOS
17. [1.1] GIANNINI, A.V. - GRASSI, F. - LUZUM, M. Bulk quantities in nuclear collisions from running-coupling k(T) factorization and hybrid simulations. In PHYSICAL REVIEW C. ISSN 2469-9985, JUL 31 2019, vol. 100, no. 1., Registrované v: WOS
18. [1.1] GONCALVES, K.J. - GIANNINI, A.V. - CHINELLATO, D.D. - TORRIERI, G. Limiting fragmentation as an initial-state probe in heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 4 2019, vol. 100, no. 5., Registrované v: WOS
19. [1.1] GUPTA, R. - MALIK, S.K. Intermittency Study of Charged Particles Generated in Pb-Pb Collisions at $\sqrt{s(NN)}=2.76$ TeV Using EPOS3. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, APR 8 2020, vol. 2020., Registrované v: WOS
20. [1.1] LACEY, Roy - LIU, Peifeng - MAGDY, Niseem - CSANAD, Mate - SCHWEID, Benjamin - AJITANAND, Nuggehalli N. - ALEXANDER, John - PAK, Robert. Scaling Properties of the Mean Multiplicity and Pseudorapidity Density in e(-). In UNIVERSE. ISSN 2218-1997, 2018, vol. 4, no. 1, art. no. 22., Registrované v: WOS
21. [1.1] LIU, Peifeng - LACEY, Roy A. Acoustic scaling of linear and mode-coupled anisotropic flow; implications for precision extraction of the specific shear viscosity. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 021902., Registrované v: WOS
22. [1.1] MISHRA, Aditya Nath - SAHOO, Raghunath - SARKISYAN, Edward K. G. - SAKHAROV, Alexander S. Multiparticle production in nuclear collisions using effective-energy approach. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. 01001., Registrované v: WOS
23. [1.1] NORONHA-HOSTLER, Jacquelyn - LUZUM, Matthew - OLLITRAULT, Jean-Yves. Hydrodynamic predictions for 5.02 TeV Pb-Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 3, art. no. 034912., Registrované v: WOS
24. [1.1] OKAMOTO, Kazuhisa - AKAMATSU, Yukinao - NONAKA, Chiho. A new relativistic hydrodynamics code for high-energy heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 10., Registrované v: WOS

25. [1.1] PASECHNIK, Roman - SUMBERA, Michal. Phenomenological Review on Quark-Gluon Plasma: Concepts vs. Observations. In UNIVERSE. ISSN 2218-1997, 2017, vol. 3, no. 1, art. no. UNSP 7., Registrované v: WOS
26. [1.1] REZAEIAN, Amir H. Photon-jet ridge at RHIC and the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 094030., Registrované v: WOS
27. [1.1] SAHOO, Raghunath - MISHRA, Aditya Nath - BEHERA, Nirbhay K. - NANDI, Basanta K. Charged Particle, Photon Multiplicity, and Transverse Energy Production in High-Energy Heavy-Ion Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 612390., Registrované v: WOS
28. [1.1] SARKISYAN, Edward K. G. - MISHRA, Aditya Nath - SAHOO, Raghunath - SAKHAROV, Alexander S. Centrality dependence of midrapidity density from GeV to TeV heavy-ion collisions in the effective-energy universality picture of hadroproduction. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 011501., Registrované v: WOS
29. [1.1] TIWARI, Swatantra Kumar - SAHOO, Raghunath. Transverse energy per charged particle in heavy-ion collisions: Role of collective flow. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 3, art. no. 39., Registrované v: WOS
30. [1.1] WOZNIAK, K.W. Recent minimum-bias measurements by ATLAS. In XX INTERNATIONAL SYMPOSIUM ON VERY HIGH ENERGY COSMIC RAY INTERACTIONS (ISVHECRI 2018). ISSN 2100-014X, 2019, vol. 208., Registrované v: WOS
31. [1.1] ZHU, L.L. - HWA, R.C. A unified study of the production of all identified hadrons over wide ranges of transverse momenta at LHC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, MAY 2020, vol. 47, no. 5., Registrované v: WOS

ADCA416 AAD, G. - ABAJYAN, T. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton-lead collisions at $\sqrt{s(NN)}=5.02$ TeV with the ATLAS detector. In *European Physical Journal C*, 2016, vol. 76, no. 4, art. no. 199. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4002-3>

Ohlasy:

1. [1.1] ALVIOLI, M. - AZARKIN, M. - BLOK, B. - STRIKMAN, M. Revealing minijet dynamics via centrality dependence of double parton interactions in proton-nucleus collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 8 2019, vol. 79, no. 6., Registrované v: WOS
2. [1.1] ALVIOLI, M. - FRANKFURT, L. - GUZEY, V. - STRIKMAN, M. - ZHALOV, M. Mapping color fluctuations in the photon in ultraperipheral heavy ion collisions at the Large Hadron Collider. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 767, pp. 450-457., Registrované v: WOS
3. [1.1] ALVIOLI, M. - STRIKMA, M. Spin-isospin correlated configurations in complex nuclei and neutron skin effect in $W^{+/-}$ production in

- high-energy proton-lead collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, AUG 26 2019, vol. 100, no. 2., Registrované v: WOS
4. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
 5. [1.1] BELLM, J. - GELLERSEN, L. High dimensional parameter tuning for event generators. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 23 2020, vol. 80, no. 1., Registrované v: WOS
 6. [1.1] BIERLICH, Christian - GUSTAFSON, Gosta - LONNBLAD, Leif. Diffractive and non-diffractive wounded nucleons and final states in pA collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 10, art. no. 139., Registrované v: WOS
 7. [1.1] BIERLICH, Christian - GUSTAFSON, Gosta - LONNBLAD, Leif - SHAH, Harsh. The Angantyr model for heavy-ion collisions in Pythia8. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 134., Registrované v: WOS
 8. [1.1] BIERLICH, Christian. Multiparton interactions: From pp to pA. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 377-380., Registrované v: WOS
 9. [1.1] BLOK, B. - CECCOPIERI, F.A. Z plus jets production via double parton scattering in pA collisions at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 20 2020, vol. 80, no. 8., Registrované v: WOS
 10. [1.1] BLOK, B. - CECCOPIERI, F.A. Four -jet production via double parton scattering in pA collisions at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, MAY 26 2020, vol. 101, no. 9., Registrované v: WOS
 11. [1.1] BLOK, B. - CECCOPIERI, F.A. Double parton scattering in pA collisions at the LHC revisited. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2020, vol. 80, no. 3., Registrované v: WOS
 12. [1.1] DUMITRU, Adrian - GIANNINI, Andre V. - LUZUM, Matthew - NARA, Yasushi. Particle multiplicities in the central region of high-energy collisions from k(T)-factorization with running coupling corrections. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 784, pp. 417-422., Registrované v: WOS
 13. [1.1] GUSTAFSON, Gosta. Effects of diffraction in pp and pA collisions. In XLVI INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2016). ISSN 2100-014X, 2017, vol. 141, art. no. UNSP 03004., Registrované v: WOS
 14. [1.1] KE, Weiyao - MORELAND, J. Scott - BERNHARD, Jonah E. - BASS, Steffen A. Constraints on rapidity-dependent initial conditions from charged-particle pseudorapidity densities and two-particle correlations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 4, art. no. 044912., Registrované v: WOS
 15. [1.1] LACEY, Roy - LIU, Peifeng - MAGDY, Niseem - CSANAD, Mate - SCHWEID, Benjamin - AJITANAND, Nuggehalli N. - ALEXANDER, John - PAK, Robert. Scaling Properties of the Mean Multiplicity and Pseudorapidity Density in e(-). In UNIVERSE. ISSN 2218-1997, 2018, vol. 4, no. 1, art. no. 22., Registrované v: WOS
 16. [1.1] LONNBLAD, L. Modelling pp, pA and AA in Pythia8. In XX

INTERNATIONAL SYMPOSIUM ON VERY HIGH ENERGY COSMIC RAY INTERACTIONS (ISVHECRI 2018). ISSN 2100-014X, 2019, vol. 208.,

Registrované v: WOS

17. [1.1] MANTYSAARI, Heikki - SCHENKE, Bjorn. Revealing proton shape fluctuations with incoherent diffraction at high energy. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 034042.,

Registrované v: WOS

18. [1.1] MANTYSAARI, Heikki - SCHENKE, Bjorn. Evidence of Strong Proton Shape Fluctuations from Incoherent Diffraction. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 117, no. 5, art. no. 052301.,

Registrované v: WOS

19. [1.1] PIRNER, H. J. - KOPELIOVICH, B. Z. Rapidity distributions of hadrons in proton-nucleus collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 5, art. no. 054901., Registrované v: WOS

20. [1.1] ROGLY, Rudolph - GIACALONE, Giuliano - OLLITRAULT, Jean-Yves. Reconstructing the impact parameter of proton-nucleus and nucleus-nucleus collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 024902., Registrované v: WOS

21. [1.1] ROHRMOSER, M. - BRONIOWSKI, W. Longitudinal correlations from fluctuating strings in Pb-Pb, p-Pb, and p-p collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 10 2020, vol. 101, no. 1., Registrované v: WOS

22. [1.1] SHEN, Chun - PAQUET, Jean-Francois - DENICOL, Gabriel S. - JEON, Sangyong - GALE, Charles. Collectivity and electromagnetic radiation in small systems. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 1, art. no. 014906., Registrované v: WOS

23. [1.1] WELLER, Ryan D. - ROMATSCHKE, Paul. One fluid to rule them all: Viscous hydrodynamic description of event-by-event central p plus p, p plus Pb and Pb plus Pb collisions at root s=5.02 TeV. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 774, pp. 351-356., Registrované v: WOS

ADCA417 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the centrality dependence of J/psi yields and observation of Z production in lead-lead collisions with the ATLAS detector at the LHC. In *Physics Letters B*, 2011, vol. 697, no. 4, p. 294-312. (2010: 5.255 - IF, Q1 - JCR, 3.103 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2011.02.006>

Ohlasy:

1. [1.1] ALBA, Paolo - ALBERICO, Wanda Maria - NADA, Alessandro - PANERO, Marco - STOECKER, Horst. Excluded-volume effects for a hadron gas in Yang-Mills theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 094511., Registrované v: WOS

2. [1.1] ARMESTO, Nestor - SCOMPARIN, Enrico. Heavy-ion collisions at the Large Hadron Collider: A review of the results from Run 1. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2016, vol. 131, no. 3, art. no. 52., Registrované v: WOS

3. [1.1] ARNALDI, Roberta. Charm resonance production in heavy-ion collisions. In RESONANCE WORKSHOP AT CATANIA. ISSN 2100-014X, 2015, vol. 97, art. no. 00002., Registrované v: WOS

4. [1.1] ARONSON, Samuel - BORRAS, Evan - ODEGARD, Brunel - SHARMA, Rishi - VITEV, Ivan. Collisional and thermal dissociation of J/psi and Y states at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 778, pp. 384-391., Registrované v: WOS
5. [1.1] BAUTISTA, I. - PAJARES, C. - RAMIREZ, J.E. String percolation in AA and p plus p collisions. In REVISTA MEXICANA DE FISICA. ISSN 0035-001X, MAY-JUN 2019, vol. 65, no. 3, p. 197-223., Registrované v: WOS
6. [1.1] CAMEJO, Arianna Batista. Charmonium production in pp, p-Pb and Pb-Pb collisions at forward rapidity with ALICE at the LHC. In 15TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2015). ISSN 1742-6588, 2016, vol. 668, art. no. 012049., Registrované v: WOS
7. [1.1] GHOSH, Rismita - BHATTACHARYA, Aparajita - CHAKRABARTI, Ballari. Quark gluon plasma and upilon suppression. In TURKISH JOURNAL OF PHYSICS. ISSN 1300-0101, 2018, vol. 42, no. 1, pp. 61-69., Registrované v: WOS
8. [1.1] CHEN, Ya-Hui - LIU, Fu-Hu - LACEY, Roy A. Event Patterns Extracted from Transverse Momentum and Rapidity Spectra of Z Bosons and Quarkonium States Produced in pp and Pb-Pb Collisions at LHC. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 9876253., Registrované v: WOS
9. [1.1] KUMAR, V. - SHUKLA, P. - BHATTACHARYA, A. Suppression of quarkonia in PbPb collisions at root S-NN=5.02TeV. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JAN 2020, vol. 47, no. 1., Registrované v: WOS
10. [1.1] KUREPIN, A. B. - TOPILSKAYA, N. S. Solving the problem of anomalous J/psi suppression by the MPD experiment on the NICA collider. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 8, art. no. 260., Registrované v: WOS
11. [1.1] LEE, Su Hounng - KO, Che Ming - SONG, Taesoo. Quarkonium formation time in relativistic heavy-ion collisions. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 276, pp. 137-140., Registrované v: WOS
12. [1.1] LOKHTIN, I. P. - BELYAEV, A. V. - EYYUBOVA, G. Kh - PONIMATKIN, G. - PRONINA, E. Yu. Charmed meson and charmonium production in PbPb collisions at the LHC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 12, art. no. 125104., Registrované v: WOS
13. [1.1] RU, Peng - ZHANG, Ben-Wei - CHENG, Luan - WANG, Enke - ZHANG, Wei-Ning. Production of Z(0) and W+/W- in relativistic heavy-ion collisions at the LHC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 8, art. no. 085104., Registrované v: WOS
14. [1.1] SONG, Taesoo - KO, Che Ming - LEE, Su Hounng. Quarkonium formation time in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 91, no. 4, art. no. 044909., Registrované v: WOS
15. [1.1] WINN, Michael. Prospects for Quarkonium Measurements in p-A and A-A Collisions at the LHC. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2017, vol. 58, no. 2, art. no. UNSP 53., Registrované v: WOS

ADCA418 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the correlation between flow harmonics of different order in lead-lead collisions at root S-NN=2.76 TeV with the ATLAS detector. In *Physical Review C. Nuclear physics*, 2015, vol. 92, no. 3, art. no. 034903. (2014: 3.733 - IF, Q1 - JCR, 2.480 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.92.034903>

Ohlasy:

1. [1.1] BERAUDO, Andrea - DE PACE, Arturo - MONTENO, Marco - NARDI, Marzia - PRINO, Francesco. Development of heavy-flavour flow-harmonics in high-energy nuclear collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 043., Registrované v: WOS
2. [1.1] BETZ, Barbara. Jet Tomography in Heavy-Ion Collisions-Challenges, Results, and Open Problems. In NEW HORIZONS IN FUNDAMENTAL PHYSICS, 2017, pp. 199-208., Registrované v: WOS
3. [1.1] BILANDZIC, A. - LESCH, M. - TAGHAVI, S.F. New estimator for symmetry plane correlations in anisotropic flow analyses. In PHYSICAL REVIEW C. ISSN 0556-2813, AUG 14 2020, vol. 102, no. 2., Registrované v: WOS
4. [1.1] BOZEK, Piotr. Transverse-momentum-flow correlations in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 4, art. no. 044908., Registrované v: WOS
5. [1.1] BRAVINA, L. V. - FOTINA, E. S. - KOROTKIKH, V. L. - LOKHTIN, I. P. - MALININA, L. V. - NAZAROVA, E. N. - PETRUSHANKO, S. V. - SNIGIREV, A. M. - ZABRODIN, E. E. Anisotropic flow fluctuations in hydro-inspired freeze-out model for relativistic heavy ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 12, art. no. 588., Registrované v: WOS
6. [1.1] CHATTOPADHYAY, Chandrodoy - BHALERAO, Rajeev S. - OLLITRAULT, Jean-Yves - PAL, Subrata. Effects of initial-state dynamics on collective flow within a coupled transport and viscous hydrodynamic approach. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034915., Registrované v: WOS
7. [1.1] KE, Weiyao - MORELAND, J. Scott - BERNHARD, Jonah E. - BASS, Steffen A. Constraints on rapidity-dependent initial conditions from charged-particle pseudorapidity densities and two-particle correlations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 4, art. no. 044912., Registrované v: WOS
8. [1.1] LIU, Peifeng - LACEY, Roy A. Acoustic scaling of linear and mode-coupled anisotropic flow; implications for precision extraction of the specific shear viscosity. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 021902., Registrované v: WOS
9. [1.1] LOIZIDES, Constantin. Experimental overview on small collision systems at the LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 200-207., Registrované v: WOS
10. [1.1] MAZELIAUSKAS, Aleksas - TEANEY, Derek. Fluctuations of harmonic and radial flow in heavy ion collisions with principal components. In

PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 2, art. no. 024913.,
Registrované v: WOS

11. [1.1] MCDONALD, Scott - SHEN, Chun - FILLION-GOURDEAU, Francois - JEON, Sangyong - GALE, Charles. A Detailed Study and Synthesis of Flow Observables in the IP-Glasma plus MUSIC plus UrQMD Framework. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 393-396.,
Registrované v: WOS

12. [1.1] MORDASINI, C. - BILANDZIC, A. - KARAKOC, D. - TAGHAVI, S.F. Higher order symmetric cumulants. In PHYSICAL REVIEW C. ISSN 0556-2813, AUG 12 2020, vol. 102, no. 2., Registrované v: WOS

13. [1.1] NORONHA-HOSTLER, Jacquelyn - BETZ, Barbara - NORONHA, Jorge - GYULASSY, Miklos. Event-by-Event Hydrodynamics plus Jet Energy Loss: A Solution to the R-AA circle times $v(2)$ Puzzle. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 25, art. no. 252301.,
Registrované v: WOS

14. [1.1] NORONHA-HOSTLER, Jacquelyn. Jet modifications in event-by-event hydrodynamically evolving media. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 161-168., Registrované v: WOS

15. [1.1] NORONHA-HOSTLER, Jacquelyn. Resolving the R-AA to $v(n)$ puzzle. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 65-70., Registrované v: WOS

16. [1.1] NORONHA-HOSTLER, Jacquelyn - BETZ, Barbara - GYULASSY, Miklos - LUZUM, Matthew - NORONHA, Jorge - PORTILLO, Israel - RATTI, Claudia. Cumulants and nonlinear response of high $p(T)$ harmonic flow at root $s(NN)=5.02$ TeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 4, art. no. 044901., Registrované v: WOS

17. [1.1] OKAMOTO, Kazuhisa - NONAKA, Chiho. A new relativistic viscous hydrodynamics code and its application to the Kelvin-Helmholtz instability in high-energy heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 6, art. no. 383., Registrované v: WOS

18. [1.1] PASECHNIK, Roman - SUMBERA, Michal. Phenomenological Review on Quark-Gluon Plasma: Concepts vs. Observations. In UNIVERSE. ISSN 2218-1997, 2017, vol. 3, no. 1, art. no. UNSP 7., Registrované v: WOS

19. [1.1] PRADO, Caio A. G. - NORONHA-HOSTLER, Jacquelyn - KATZ, Roland - SUAIDE, Alexandre A. P. - NORONHA, Jorge - MUNHOZ, Marcelo G. Event-by-event correlations between soft hadrons and D-0 mesons in 5.02 TeV PbPb collisions at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 6, art. no. 064903.,
Registrované v: WOS

20. [1.1] PRADO, Caio A. G. - NORONHA-HOSTLER, Jacquelyn - KATZ, Roland - NORONHA, Jorge - MUNHOZ, Marcelo G. - SUAIDE, Alexandre A. P. Event-by-event $nu(n)$ correlations of soft hadrons and heavy mesons in heavy ion collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 664-667., Registrované v: WOS

21. [1.1] PRADO, Caio A. G. - NORONHA-HOSTLER, Jacquelyn - NORONHA, Jorge - SUAIDE, Alexandre A. P. - MUNHOZ, Marcelo G. - COSENTINO, Mauro R. Heavy meson flow harmonics in event-by-event viscous relativistic hydrodynamics. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 221-224., Registrované

v: WOS

22. [1.1] SONG, Huichao - ZHOU, You - GAJDOSOVA, Katarina. Collective flow and hydrodynamics in large and small systems at the LHC. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2017, vol. 28, no. 7, art. no. 99., Registrované v: WOS
23. [1.1] WEI, D.X. Transverse momentum dependent decorrelation in Pb-Pb collisions at LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, AUG 2020, vol. 29, no. 8., Registrované v: WOS
24. [1.1] WELSH, Kevin - SINGER, Jordan - HEINZ, Ulrich. Initial-state fluctuations in collisions between light and heavy ions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024919., Registrované v: WOS
25. [1.1] XU, Hao-jie - LI, Zhuopeng - SONG, Huichao. High-order flow harmonics of identified hadrons in 2.76A TeV Pb plus Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 6, art. no. 064905., Registrované v: WOS
26. [1.1] YANG, J. - ZHANG, Y. - ZHANG, W.N. Hydrodynamical response of plane correlation in Pb plus Pb collisions at $\sqrt{s(NN)}=2.76$ TeV. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, OCT 2019, vol. 28, no. 10., Registrované v: WOS
27. [1.1] YAN, Li. A flow paradigm in heavy-ion collisions. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 4, art. no. 042001., Registrované v: WOS
28. [1.1] ZHAO, Wenbin - XU, Hao-jie - SONG, Huichao. Collective flow in 2.76 and 5.02 A TeV Pb + Pb collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 645., Registrované v: WOS
29. [1.1] ZHAO, Wenbin - ZHOU, You - XU, Hao-jie - DENG, Weitian - SONG, Huichao. Hydrodynamic collectivity in proton-proton collisions at 13 TeV. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 780, pp. 495-500., Registrované v: WOS
30. [1.1] ZHOU, You. Overview of recent azimuthal correlation measurements from ALICE. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 01019., Registrované v: WOS
31. [1.1] ZHOU, You. Review of Anisotropic Flow Correlations in Ultrarelativistic Heavy-Ion Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 9365637., Registrované v: WOS
32. [1.1] ZHU, Xiangrong - ZHOU, You - XU, Haojie - SONG, Huichao. Correlations of flow harmonics in 2.76A TeV Pb-Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 4, art. no. 044902., Registrované v: WOS
33. [1.1] ZHU, Xiangrong - ZHOU, You - XU, Haojie - SONG, Huichao. Investigating the correlations of flow harmonics in 2.76A TeV Pb-Pb collisions. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012062., Registrované v: WOS

ADCA419 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the correlation between the polar angles of leptons from top quark

decays in the helicity basis at $\sqrt{s}=7$ TeV using the ATLAS detector. In *Physical Review D*, 2016, vol. 93, no. 1, art. no. 012002. (2015: 4.506 - IF, Q2 - JCR, 2.236 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.93.012002>

Ohlasy:

1. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS

ADCA420 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Measurement of the CP-violating phase $\beta_{\text{eff}}(s)$ in $B \rightarrow J/\psi \phi$ decays with the CDF II detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2012, vol. 85, no. 7, art. no. 072002. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.85.072002>

Ohlasy:

1. [1.1] PARACHA, M. Ali - AHMED, Ishtiaq - ASLAM, M. Jamil. Imprints of CP-violation asymmetries in rare $\Lambda(b) \rightarrow \Lambda l^{(+)} l^{(-)}$ decay in a family non-universal Z' model. In *Progress of Theoretical and Experimental Physics*. ISSN 2050-3911, 2015, no. 3, art. no. 033B04., Registrované v: WOS

ADCA421 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the CP-violating phase $\phi(s)$ and the $B \rightarrow J/\psi \phi$ meson decay width difference with $B \rightarrow J/\psi \phi$ decays in ATLAS. In *Journal of High Energy Physics*, 2016, vol. 2016, no. 8, art. no. 147. (2015: 6.023 - IF, Q1 - JCR, 1.343 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP08\(2016\)147](https://doi.org/10.1007/JHEP08(2016)147)

Ohlasy:

1. [1.1] ASATRIAN, H.M. - ASATRYAN, H.H. - HOVHANNISYAN, A. - NIERSTE, U. - TUMASYAN, S. - YEGHIAZARYAN, A. Penguin contribution to the width difference and CP asymmetry in $B \rightarrow J/\psi \phi$ mixing at order α_s^2 . In *PHYSICAL REVIEW D*. ISSN 1550-7998, AUG 31 2020, vol. 102, no. 3., Registrované v: WOS
2. [1.1] BATOZSKAYA, Varvara. FUTURE CONTRIBUTIONS TO $\phi(s)$ MEASUREMENTS. In *ACTA PHYSICA POLONICA B*. ISSN 0587-4254, 2018, vol. 49, no. 6, pp. 1015-1020., Registrované v: WOS
3. [1.1] DESCOTES-GENON, Sebastien - KOPPENBURG, Patrick. The CKM Parameters. In *ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE*, VOL 67. ISSN 0163-8998, 2017, vol. 67, pp. 97-127., Registrované v: WOS
4. [1.1] GERSHON, T. - GLIGOROV, V. V. CP violation in the B system. In *REPORTS ON PROGRESS IN PHYSICS*. ISSN 0034-4885, 2017, vol. 80, no. 4, art. no. 046201., Registrované v: WOS
5. [1.1] JAGER, Sebastian - LESLIE, Kirsten - KIRK, Matthew - LENZ, Alexander. Charming new physics in rare B decays and mixing? In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 015021., Registrované v: WOS

6. [1.1] KUMAR, M. - NAYEK, P. - BANERJEE, D. - SAHOO, S. Signals of New Physics in B-Mesons Mixing Mass and Decay Width Differences. In BRAZILIAN JOURNAL OF PHYSICS. ISSN 0103-9733, OCT 2019, vol. 49, no. 5, p. 772-782., Registrované v: WOS
7. [1.1] LENZ, A. - TETLALMATZI-XOLOCOTZI, G. Model-independent bounds on new physics effects in non-leptonic tree-level decays of B-mesons. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 24 2020, no. 7., Registrované v: WOS
8. [1.1] LUCIO, M. Measurement of $\phi(s)$. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2018, vol. 41, no. 4, art. no. 141., Registrované v: WOS

ADCA422 AARON, F.D. - BRUNCKO, Dušan - FERENCEI, Jozef. Measurement of the cross section for diffractive deep-inelastic scattering with a leading proton at HERA. In *European Physical Journal C*, 2011, vol. 71, no. 3, art. no. 1578. (2010: 3.248 - IF, Q2 - JCR, 2.215 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-011-1578-5>

Ohlasy:

1. [1.1] BOUSSARIE, R. - GRABOVSKY, A. V. - SZYMANOWSKI, L. - WALLON, S. Impact factor for high-energy two and three jets diffractive production. In DIFFRACTION 2014: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2015, vol. 1654, art. no. UNSP 030005., Registrované v: WOS
2. [1.1] SAHIN, B. Search for the Anomalous tq gamma and tqH Couplings in gamma p Collision at the LHC. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 590397., Registrované v: WOS

ADCA423 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Measurement of the Cross Section for Direct-Photon Production in Association with a Heavy Quark in $p(p)$ -over-bar Collisions at $\sqrt{s}=1.96$ TeV. In *Physical Review Letters*, 2013, vol. 111, no. 4, art. no. 042003. (2012: 7.943 - IF, Q1 - JCR, 6.292 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.111.042003>

Ohlasy:

1. [1.1] CORDERO, F. Febres - REINA, L. Electroweak gauge-boson production in association with b jets at Hadron Colliders. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 16, art. no. 1530042., Registrované v: WOS
2. [1.1] HUANG, Jinrui - KANG, Zhong-Bo - VITEV, Ivan - XING, Hongxi. Photon-tagged and B-meson-tagged b-jet production at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 750, pp. 287-293., Registrované v: WOS

ADCA424 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - ŠÁNDOR, Ladislav - VALA, Martin. Measurement of the Cross Section for Electromagnetic Dissociation with Neutron Emission in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV (ALICE Collaboration). In *Physical Review Letters*, 2012, vol. 109, no. 25, art. no. 252302. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR,

Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.109.252302>

Ohlasy:

1. [1.1] DANHONI, I. - NAVARRA, F.S. Magnetic excitation in relativistic heavy ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, JUN 10 2020, vol. 805., Registrované v: WOS
2. [1.1] GRICHINE, V. M. Integral cross-sections of light nuclei in the Glauber-Gribov representation. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2018, vol. 427, pp. 60-62., Registrované v: WOS
3. [1.1] JANUS, Piotr. Light-by-light scattering in ultra-peripheral Pb plus Pb collisions at root sNN=5.02 TeV with the ATLAS detector. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 479-482., Registrované v: WOS
4. [1.1] KLEIN, S.R. - STEINBERG, P. Photonuclear and Two-Photon Interactions at High-Energy Nuclear Colliders. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 323-354., Registrované v: WOS
5. [1.1] WANG, S.Y. - WEI, W. - LI, D.K. - LI, M.H. Insulin-like growth factor-1 inhibits the expression of autophagic ID1 in cerebrovascular endothelial cells. In INTERNATIONAL JOURNAL OF CLINICAL AND EXPERIMENTAL MEDICINE. ISSN 1940-5901, 2019, vol. 12, no. 8, p. 10486-10493., Registrované v: WOS

ADCA425 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Measurement of the cross section for inclusive isolated-photon production in pp collisions at root s=13 TeV using the ATLAS detector. In *Physics Letters B*, 2017, vol. 770, p. 473-493. (2016: 4.807 - IF, Q1 - JCR, 3.032 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2017.04.072>

Ohlasy:

1. [1.1] DAVID, G. Direct real photons in relativistic heavy ion collisions. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, APR 2020, vol. 83, no. 4., Registrované v: WOS
2. [1.1] DOS SANTOS, G.S. - DA SILVEIRA, G.G. - MACHADO, M.V.T. Prompt photon production in high-energy pA collisions at forward rapidity. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 2 2020, vol. 102, no. 5., Registrované v: WOS
3. [1.1] DOS SANTOS, G.S. - DA SILVEIRA, G.G. - MACHADO, M.V.T. The color dipole picture for prompt photon production in pp and pPb collisions at the CERN-LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 2 2020, vol. 80, no. 9., Registrované v: WOS
4. [1.1] CHADOU, I. - MEBARKI, N. - BEKLI, M. R. Minimal NCSM Direct Photon Production in Proton-antiproton Collisions. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2017, vol. 56, no. 10, pp. 3271-3284., Registrované v: WOS
5. [1.1] KLASSEN, Micheal - KLEIN-BOESING, Christian - POPPENBORG, Hendrik. Prompt photon production and photon-jet correlations

at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 081., Registrované v: WOS

6. [1.1] TAYLOR, Frank E. Radial scaling in inclusive jet production at hadron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 054016., Registrované v: WOS

ADCA426 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of the cross section for isolated-photon plus jet production in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. In *Physics Letters B*, 2018, vol. 780, p. 578-602. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.03.035>

Ohlasy:

1. [1.1] HALL, Zachary - THALER, Jesse. Photon isolation and jet substructure. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 164., Registrované v: WOS

2. [1.1] CHIEN, Y.T. - SHAO, D.Y. - WU, B. Resummation of boson-jet correlation at hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 6 2019, no. 11., Registrované v: WOS

3. [1.1] LIPATOV, A.V. - MALYSHEV, M.A. - JUNG, H. TMD parton shower effects in associated gamma plus jet production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 29 2019, vol. 100, no. 3., Registrované v: WOS

ADCA427 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Measurement of the cross section for prompt isolated diphoton production in $p(p)$ -over-bar collisions at $\sqrt{s}=1.96$ TeV. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2011, vol. 84, no. 5, art. no. 052006. (2010: 4.964 - IF, Q1 - JCR, 2.759 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.84.052006>

Ohlasy:

1. [1.1] DENNEN, Tristan - WILLIAMS, Ciaran. gamma gamma gamma gamma production at the LHC: An application of $2 > 4$ analytic unitarity. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 5, art. no. 054012., Registrované v: WOS

2. [1.1] NEFEDOV, M. A. - SALEEV, V. A. Diphoton production at the Tevatron and the LHC in the NLO approximation of the parton Reggeization approach. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 094033., Registrované v: WOS

ADCA428 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Measurement of the Cross Section for Prompt Isolated Diphoton Production Using the Full CDF Run II Data Sample. In *Physical Review Letters*, 2013, vol. 110, no. 10, art. no. 101801. (2012: 7.943 - IF, Q1 - JCR, 6.292 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.110.101801>

Ohlasy:

1. [1.1] DENNEN, Tristan - WILLIAMS, Ciaran. gamma gamma gamma gamma production at the LHC: An application of $2 > 4$ analytic unitarity.

In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 5, art. no. 054012., Registrované v: WOS

ADCA429 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the cross section for the production of a W boson in association with b-jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *Physics Letters B*, 2012, vol. 707, no. 5, p. 418-437. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] CORDERO, F. Febres - REINA, L. Electroweak gauge-boson production in association with b jets at Hadron Colliders. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 16, art. no. 1530042., Registrované v: WOS
2. [1.1] GOHARIPOUR, Muhammad - MEHRABAN, Hossein. Study of isolated prompt photon production in p-Pb collisions for the ALICE kinematics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 054002., Registrované v: WOS
3. [1.1] ILTEN, Philip - RODD, Nicholas L. - THALER, Jesse - WILLIAMS, Mike. Disentangling heavy flavor at colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 054019., Registrované v: WOS
4. [1.1] Search for New Phenomena in Events with Large Jet Multiplicities. In HIGH JET MULTIPLICITY PHYSICS AT THE LHC. ISSN 2190-5053, 2016, pp. 43-101., Registrované v: WOS

ADCA430 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the cross section for top-quark pair production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector using final states with two high-p(T) leptons. In *Journal of High Energy Physics*, 2012, vol. 2012, no. 5, art. no. 059. (2011: 5.831 - IF, 1.902 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP05\(2012\)059](https://doi.org/10.1007/JHEP05(2012)059)

Ohlasy:

1. [1.1] ALEEDANESHVAR, A. - KHORRAMIAN, A. The impact of the LHCb B_{\pm} production cross-section on parton distribution functions and determining the mass of heavy quarks. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 979, pp. 215-236., Registrované v: WOS
2. [1.1] BALL, Richard D. - BERTONE, Valerio - CARRAZZA, Stefano - DEL DEBBIO, Luigi - FORTE, Stefano - GROTH-MERRILD, Patrick - GUFFANTI, Alberto - HARTLAND, Nathan P. - KASSABOV, Zahari - LATORRE, Jose I. - NOCERA, Emanuele R. - ROJO, Juan - ROTTOLI, Luca - SLADE, Emma - UBIALI, Maria. Parton distributions from high-precision collider data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 10, art. no. 663., Registrované v: WOS
3. [1.1] BALL, Richard D. - BERTONE, Valerio - BONVINI, Marco - MARZANI, Simone - ROJO, Juan - ROTTOLI, Luca. Parton distributions with small-x resummation: evidence for BFKL dynamics in HERA data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 321., Registrované v: WOS

4. [1.1] BERTONE, Valerio - CARRAZZA, Stefano - HARTLAND, Nathan P. APFELgrid: A high performance tool for parton density determinations. In *COMPUTER PHYSICS COMMUNICATIONS*. ISSN 0010-4655, 2017, vol. 212, pp. 205-209., Registrované v: WOS
5. [1.1] GAO, Jun - HARLAND-LANG, Lucian - ROJO, Juan. The structure of the proton in the LHC precision era. In *PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS*. ISSN 0370-1573, 2018, vol. 742, pp. 1-121., Registrované v: WOS
6. [1.1] HARLAND-LANG, L.A. - MARTIN, A.D. - NATHVANI, R. - THORNE, R.S. Ad Lucem: QED parton distribution functions in the MMHT framework. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, OCT 2019, vol. 79, no. 10., Registrované v: WOS
7. [1.1] YANG, Bingfang - LIU, Ning. One-loop QCD correction to top pair production in the littlest Higgs model with T-parity at the LHC. In *EPL*. ISSN 0295-5075, 2015, vol. 111, no. 1, art. no. 11001., Registrované v: WOS

ADCA431 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the cross section of high transverse momentum Z - b(b)over-bar production in proton-proton collisions at root s=8 TeV with the ATLAS detector. In *Physics Letters B*, 2014, vol. 738, p. 25-43. (2013: 6.019 - IF, Q1 - JCR, 3.707 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2014.09.020>

Ohlasy:

1. [1.1] GALANTI, Mario - GIAMMANCO, Andrea - GROSSMAN, Yuval - KATS, Yevgeny - STAMOU, Emmanuel - ZUPAN, Jure. Heavy baryons as polarimeters at colliders. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2015, no. 11, art. no. 067., Registrované v: WOS
2. [1.1] GUTIERREZ, Nicolas. Inclusive production of H> b(b)over-bar plus a recoil for the LHC Run-II. In *EPL*. ISSN 0295-5075, 2016, vol. 115, no. 1, art. no. 11002., Registrované v: WOS
3. [1.1] LIN, Joshua - FREYTSIS, Marat - MOULT, Ian - NACHMAN, Benjamin. Boosting >H> b(b)over-bar with machine learning. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2018, no. 10, art. no. 101., Registrované v: WOS
4. [1.1] VOUTILAINEN, Mikko. Heavy quark jets at the LHC. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2015, vol. 30, no. 31, art. no. 1546008., Registrované v: WOS

ADCA432 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - ABED ABUD, A. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at root s=8 TeV with the ATLAS detector. In *European Physical Journal C*, 2019, vol. 79, no. 9, art. no. 760. (2018: 4.843 - IF, Q1 - JCR, 1.972 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-019-7199-0>

Ohlasy:

1. [1.1] D'ENTERRIA, D. - POLDARU, A. Extraction of the strong coupling alpha(s)(m(Z)) from a combined NNLO analysis of inclusive

electroweak boson cross sections at hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 1 2020, no. 6., Registrované v: WOS

ADCA433 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the cross-section for b-jets produced in association with a Z boson at root s=7 TeV with the ATLAS detector ATLAS Collaboration. In *Physics Letters B*, 2012, vol. 706, no. 4-5, p. 295-313. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2011.11.059>

Ohlasy:

1. [1.1] CORDERO, F. Febres - REINA, L. Electroweak gauge-boson production in association with b jets at Hadron Colliders. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 16, art. no. 1530042., Registrované v: WOS
2. [1.1] FIGUEROA, D. - HONEYWELL, S. - QUACKENBUSH, S. - REINA, L. - REUSCHLE, C. - WACKEROTH, D. Electroweak and QCD corrections to Z-boson production with one b jet in a massive five-flavor scheme. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 093002., Registrované v: WOS
3. [1.1] ILTEN, Philip - RODD, Nicholas L. - THALER, Jesse - WILLIAMS, Mike. Disentangling heavy flavor at colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 054019., Registrované v: WOS
4. [1.1] SHEIKH, A.I. Measurements of heavy-flavor jets with ALICE at the LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, JAN-MAR 2020, vol. 309, p. 174-180., Registrované v: WOS
5. [1.1] VOUTILAINEN, Mikko. Heavy quark jets at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 31, art. no. 1546008., Registrované v: WOS

ADCA434 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the cross-section for electroweak production of dijets in association with a Z boson in pp collisions at root s=13 TeV with the ATLAS detector. In *Physics Letters B*, 2017, vol. 775, p. 206-228. (2016: 4.807 - IF, Q1 - JCR, 3.032 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2017.10.040>

Ohlasy:

1. [1.1] FORTE, S. - LEVY, A. - RIDOLFI, G. From My Vast Repertoire ... Guido Altarelli's Legacy Preface. In FROM MY VAST REPERTOIRE ... : GUIDO ALTARELLI'S LEGACY. 2019, p. V-+., Registrované v: WOS
2. [1.1] HUANG, C.T. - RAMOS, R. - TRAN, V.Q. - TSAI, Y.L.S. - YUAN, T.C. Consistency of gauged two Higgs doublet model: gauge sector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 6 2019, no. 9., Registrované v: WOS

ADCA435 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of the cross-section for producing a W boson in association with a single top quark in pp collisions at $\sqrt{s}=13$ TeV with ATLAS. In *Journal of High Energy Physics*, 2018, no. 1, art. no. 063. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP01\(2018\)063](https://doi.org/10.1007/JHEP01(2018)063)

Ohlasy:

1. [1.1] BRIVIO, I. - TROTT, M. The standard model as an effective field theory. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, FEB 27 2019, vol. 793, p. 1-98., Registrované v: WOS
2. [1.1] JUEID, Adil. Probing anomalous Wtb couplings at the LHC in single t-channel top quark production. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 053006., Registrované v: WOS

ADCA436 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCÉI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the cross-section for W boson production in association with b-jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2013, vol. 2013, no. 6, art. no. 084. (2012: 5.618 - IF, 1.475 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP06\(2013\)084](https://doi.org/10.1007/JHEP06(2013)084)

Ohlasy:

1. [1.1] ANGER, F. R. - CORDERO, F. Febres - ITA, H. - SOTNIKOV, V. NLO QCD predictions for $Wb(b)\text{over-bar}$ production in association with up to three light jets at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 036018., Registrované v: WOS
2. [1.1] ILTEN, Philip - RODD, Nicholas L. - THALER, Jesse - WILLIAMS, Mike. Disentangling heavy flavor at colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 054019., Registrované v: WOS
3. [1.1] VOUTILAINEN, Mikko. Heavy quark jets at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 31, art. no. 1546008., Registrované v: WOS

ADCA437 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the cross-section of high transverse momentum vector bosons reconstructed as single jets and studies of jet substructure in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *New Journal of Physics*, 2014, vol. 16, no. 11, art. no. 113013. (2013: 3.671 - IF, Q1 - JCR, 2.871 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1367-2630. Dostupné na: <https://doi.org/10.1088/1367-2630/16/11/113013>

Ohlasy:

1. [1.1] CONWAY, J. S. - BHASKAR, R. - ERBACHER, R. D. - PILOT, J. Identification of high-momentum top quarks, Higgs bosons, and W and Z bosons using boosted event shapes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 094027., Registrované v: WOS
2. [1.1] CRAIG, B. - SCHOETZ, T. - CRUDEN, A. - DE LEON, C.P. Review of current progress in non-aqueous aluminium batteries. In

RENEWABLE & SUSTAINABLE ENERGY REVIEWS. ISSN 1364-0321,
NOV 2020, vol. 133., Registrované v: WOS

3. [1.1] LARKOSKI, Andrew J. - MOULT, Ian. Singular behavior of jet
substructure observables. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016,
vol. 93, no. 1, art. no. 014017., Registrované v: WOS

4. [1.1] LIN, Joshua - FREYTSIS, Marat - MOULT, Ian - NACHMAN,
Benjamin. Boosting γ b(b)over-bar with machine learning. In JOURNAL OF
HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 101.,
Registrované v: WOS

5. [1.1] TRIPATHEE, Aashish - XUE, Wei - LARKOSKI, Andrew -
MARZANI, Simone - THALER, Jesse. Jet substructure studies with CMS open
data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no.
074003., Registrované v: WOS

ADCA438 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. -
ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol.
Measurement of the dependence of transverse energy production at large
pseudorapidity on the hard-scattering kinematics of proton-proton collisions at $\sqrt{s}=2.76$ TeV with ATLAS. ATLAS Collaboration. In *Physics Letters B*, 2016, vol.
756, p. 10-28. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents
- CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na:
<https://doi.org/10.1016/j.physletb.2016.02.056>

Ohlasy:

1. [1.1] ALVIOLI, M. - AZARKIN, M. - BLOK, B. - STRIKMAN, M.
Revealing minijet dynamics via centrality dependence of double parton
interactions in proton-nucleus collisions. In EUROPEAN PHYSICAL
JOURNAL C. ISSN 1434-6044, JUN 8 2019, vol. 79, no. 6., Registrované v:
WOS

2. [1.1] ALVIOLI, M. - FRANKFURT, L. - GUZEY, V. - STRIKMAN,
M. - ZHALOV, M. Mapping color fluctuations in the photon in ultraperipheral
heavy ion collisions at the Large Hadron Collider. In PHYSICS LETTERS B.
ISSN 0370-2693, 2017, vol. 767, pp. 450-457., Registrované v: WOS

3. [1.1] ALVIOLI, M. - STRIKMA, M. Spin-isospin correlated
configurations in complex nuclei and neutron skin effect in $W^{+/-}$ production in
high-energy proton-lead collisions. In PHYSICAL REVIEW C. ISSN
2469-9985, AUG 26 2019, vol. 100, no. 2., Registrované v: WOS

4. [1.1] BANSAL, S. - VAN HAEVERMAET, H. Forward physics
results on jet production and energy flow at the LHC. In INTERNATIONAL
JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, FEB 10 2020, vol.
35, no. 4., Registrované v: WOS

5. [1.1] BLOK, B. - CECCOPIERI, F.A. Z plus jets production via
double parton scattering in pA collisions at the LHC. In EUROPEAN
PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 20 2020, vol. 80, no. 8.,
Registrované v: WOS

6. [1.1] BLOK, B. - CECCOPIERI, F.A. Four -jet production via double
parton scattering in pA collisions at the LHC. In PHYSICAL REVIEW D. ISSN
1550-7998, MAY 26 2020, vol. 101, no. 9., Registrované v: WOS

7. [1.1] BLOK, B. - CECCOPIERI, F.A. Double parton scattering in pA
collisions at the LHC revisited. In EUROPEAN PHYSICAL JOURNAL C. ISSN
1434-6044, MAR 27 2020, vol. 80, no. 3., Registrované v: WOS

8. [1.1] CONNORS, Megan - NATTRASS, Christine - REED, Rosi - SALUR, Sevil. Jet measurements in heavy ion physics. In *REVIEWS OF MODERN PHYSICS*. ISSN 0034-6861, 2018, vol. 90, no. 2, art. no. 025005., Registrované v: WOS
9. [1.1] DAHIA, F. - LEMOS, A. S. Is the proton radius puzzle evidence of extra dimensions? In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2016, vol. 76, no. 8, art. no. 435., Registrované v: WOS
10. [1.1] DAHIA, F. - MACIEL, E. - LEMOS, A. S. Rydberg states of hydrogenlike ions in a braneworld model. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 526., Registrované v: WOS

ADCA439 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Measurement of the Difference in CP-Violating Asymmetries in D-0 - K+K- and D-0 - pi(+)pi(-) Decays at CDF. In *Physical Review Letters*, 2012, vol. 109, no. 11, art. no. 111801. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.109.111801>

Ohlasy:

1. [1.1] BISWAS, Aritra - SINHA, Nita - ABBAS, Gauhar. Nonleptonic decays of charmed mesons into two pseudoscalars. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 014032., Registrované v: WOS
2. [1.1] GHEORGHIU, Tamara - VACARU, Olivia - VACARU, Sergiu. Modified dynamical supergravity breaking and off-diagonal super-Higgs effects. In *CLASSICAL AND QUANTUM GRAVITY*. ISSN 0264-9381, 2015, vol. 32, no. 6, art. no. 065004., Registrované v: WOS
3. [1.1] MUELLER, Sarah - NIERSTE, Ulrich - SCHACHT, Stefan. Sum Rules of Charm CP Asymmetries beyond the SU(3)(F) Limit. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2015, vol. 115, no. 25, art. no. 251802., Registrované v: WOS
4. [1.1] ZHANG, Zhen-Hua - SONG, Ren - SU, Yu-Mo - LU, Gang - ZHENG, Bo. Theoretical analysis of direct CP violation and differential decay width in D-+/-> pi(+/-)pi(+/-)pi(-) in phase space around the resonances rho(0)(770) and f(0)(500). In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 401., Registrované v: WOS

ADCA440 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the differential cross-sections of inclusive, prompt and non-prompt J/psi production in proton-proton collisions at root s=7 TeV. In *Nuclear Physics B*, 2011, vol. 850, no. 3, p. 387-444. (2010: 4.642 - IF, Q1 - JCR, 2.958 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0550-3213. Dostupné na: <https://doi.org/10.1016/j.nuclphysb.2011.05.015>

Ohlasy:

1. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In *MULTIPLE PARTON INTERACTIONS AT THE LHC*. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
2. [1.1] BELYAEV, I. - BEREZHNOY, A. V. - LIKHODED, A. K. - LUCHINSKY, A. V. Comments on "Study of J/psi production in jets". In

- MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2017, vol. 32, no. 33, art. no. 1771002., Registrované v: WOS
3. [1.1] BORSCHENSKY, Christoph - KULESZA, Anna. Double parton scattering in pair production of J / ψ mesons at the LHC revisited. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034029., Registrované v: WOS
 4. [1.1] DEPPMAN, Airtion - MEGIAS, Eugenio - MENEZES, Debora P. Nonextensive thermodynamics with finite chemical potential, hadronic matter and protoneutron stars. In 1ST INTERNATIONAL KAIDALOV WORKSHOP ON THE PHENOMENOLOGY OF HIGH ENERGY PARTICLE PHYSICS. ISSN 1742-6588, 2015, vol. 607, art. no. 012007., Registrované v: WOS
 5. [1.1] DUCLOUE, B. - LAPPI, T. - MANTYSAARI, H. Forward J/ ψ production in proton-nucleus collisions at high energy. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 114005., Registrované v: WOS
 6. [1.1] DUCLOUE, B. - LAPPI, T. - MANTYSAARI, H. Forward J/ ψ production at high energy: Centrality dependence and mean transverse momentum. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 074031., Registrované v: WOS
 7. [1.1] GARVEY, Brian. The evolution of morality and its rollback. In HISTORY AND PHILOSOPHY OF THE LIFE SCIENCES. ISSN 0391-9714, 2018, vol. 40, no. 2, art. no. 26., Registrované v: WOS
 8. [1.1] GRIGORYAN, Smbat. Using the Tsallis distribution for hadron spectra in pp collisions: Pions and quarkonia at $\sqrt{s}=5-13000$ GeV. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 056021., Registrované v: WOS
 9. [1.1] HONG, Byungsik. Overview of quarkonium production in heavy-ion collisions at LHC. In XLV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2015). ISSN 2100-014X, 2016, vol. 120, art. no. 06002., Registrované v: WOS
 10. [1.1] JOHNSON, Pontus - EKSTEDT, Mathias - GOEDICKE, Michael - JACOBSON, Ivar. Towards general theories of software engineering. In SCIENCE OF COMPUTER PROGRAMMING. ISSN 0167-6423, 2015, vol. 101, pp. 1-5., Registrované v: WOS
 11. [1.1] KARPISHKOV, A. V. - NEFEDOV, M. A. - SALEEV, V. A. - SHIPILOVA, A. V. Open charm production in the parton Reggeization approach: Tevatron and the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 054009., Registrované v: WOS
 12. [1.1] KRAETSCHMER, Ilse. Production of $\eta(c)$, $\chi(c)$ and $\chi(b)$ Mesons in Proton-(Anti) Proton Collisions. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2017, vol. 58, no. 2., Registrované v: WOS
 13. [1.1] KUREPIN, A. B. - TOPILSKAYA, N. S. Solving the problem of anomalous J/ ψ suppression by the MPD experiment on the NICA collider. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 8, art. no. 260., Registrované v: WOS
 14. [1.1] LEVIN, E. - SIDDIKOV, M. J/ ψ production in hadron scattering: three-pomeron contribution. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, APR 30 2019, vol. 79, no. 5., Registrované v: WOS
 15. [1.1] LIU, Fu-Hu - WEI, Hua-Rong - LACEY, Roy A. Transverse momentum and pseudorapidity distributions of final-state particles and spatial

- structure pictures of an interacting system in p-Pb collisions at root sNN=5.02 TeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 4, art. no. 43., Registrované v: WOS
16. [1.1] LUCHINSKY, A. V. Muon pair production in radiative decays of heavy quarkonia. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2018, vol. 33, no. 1, art. no. 1850001., Registrované v: WOS
17. [1.1] MACIULA, R. - SZCZUREK, A. - CISEK, A. J=psi-meson production within improved color evaporation model with the k(T)-factorization approach for c(c)over-bar production. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 21 2019, vol. 99, no. 5., Registrované v: WOS
18. [1.1] MEGIAS, Eugenio - MENEZES, Debora P. - DEPPMAN, Airton. Non extensive thermodynamics for hadronic matter with finite chemical potentials. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2015, vol. 421, pp. 15-24., Registrované v: WOS
19. [1.1] MOTYKA, Leszek - SADZIKOWSKI, Mariusz. On relevance of triple-gluon fusion in J/psi hadroproduction. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 213., Registrované v: WOS
20. [1.1] NEFEDOV, M. A. - KARPISHKOV, A. V. - SALEEV, V. A. - SHIPILOVA, A. V. D-meson production at the Tevatron and LHC in the Parton Reggeization Approach. In XITH CONFERENCE ON QUARK CONFINEMENT AND HADRON SPECTRUM. ISSN 0094-243X, 2016, vol. 1701, art. no. 050023., Registrované v: WOS
21. [1.1] OSATI, T. - ABUBAKRI, B. Inclusive Cross Section Production of J / psi in LEP. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2017, vol. 67, no. 2, pp. 212-216., Registrované v: WOS
22. [1.1] PAUL, Biswarup - MANDAL, Mahatsab - ROY, Pradip - CHATTAPADHYAY, Sukalyan. Systematic study of charmonium production in p-p collisions at LHC energies. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 6, art. no. 065101., Registrované v: WOS
23. [1.1] SEPAHVAND, R. - DADFAR, S. NLO corrections to c- and b-quark fragmentation into j/psi and gamma. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034012., Registrované v: WOS
24. [1.1] SHAO, Hua-Sheng. Probing Heavy Quarkonium Production Mechanism: chi(c) polarization. In XITH CONFERENCE ON QUARK CONFINEMENT AND HADRON SPECTRUM. ISSN 0094-243X, 2016, vol. 1701, art. no. 050006., Registrované v: WOS
25. [1.1] SCHMIDT, I. - SIDDIKOV, M. Contribution of digluons to charmonia production. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JUN 2019, vol. 46, no. 6., Registrované v: WOS
26. [1.1] SUN, Qing-Feng - JIA, Yu - LIU, Xiaohui - ZHU, Ruilin. Inclusive h(c) production and energy spectrum from e(+) e(-) annihilation at a super B factory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 014039., Registrované v: WOS
27. [1.1] THAKUR, Dhananjaya - DE, Sudipan - SAHOO, Raghunath - DANSANA, Soumya. Role of multiparton interactions on J/psi production in p

plus p collisions at LHC energies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 094002., Registrované v: WOS

28. [1.1] TRZECIAK, Barbara. J/psi and psi(2S) measurement in p plus p collisions at, root S=200 and 500 GeV in the STAR experiment. In HOT QUARKS 2014: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS. ISSN 1742-6588, 2015, vol. 612, art. no. 012038., Registrované v: WOS

29. [1.1] TRZECIAK, Barbara. J/psi and psi(2S) measurement in p plus p collisions at root s = 200 and 500 GeV with the STAR experiment. In 15TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2015). ISSN 1742-6588, 2016, vol. 668, art. no. 012093., Registrované v: WOS

30. [1.1] VOGT, R. Challenges in Heavy Flavor and Quarkonium Production in p plus p Collisions at the LHC. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 01022., Registrované v: WOS

31. [1.1] WINN, Michael. Prospects for Quarkonium Measurements in p-A and A-A Collisions at the LHC. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2017, vol. 58, no. 2, art. no. UNSP 53., Registrované v: WOS

ADCA441 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the differential cross-section of B+ meson production in pp collisions at root s=7 TeV at ATLAS. In *Journal of High Energy Physics*, 2013, vol. 2013, no. 10, art. no. 042. (2012: 5.618 - IF, 1.475 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP10\(2013\)042](https://doi.org/10.1007/JHEP10(2013)042)

Ohlasy:

1. [1.1] DONG, Xin. Heavy Flavor Production, Energy Loss and Flow-Experimental Overview. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 192-199., Registrované v: WOS

2. [1.1] DONG, X. - GRECO, V. Heavy quark production and properties of Quark-Gluon Plasma. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, JAN 2019, vol. 104, p. 97-141., Registrované v: WOS

3. [1.1] DONG, X. - LEE, Y.J. - RAPP, R. Open Heavy-Flavor Production in Heavy-Ion Collisions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 69. ISSN 0163-8998, 2019, vol. 69, p. 417-445., Registrované v: WOS

4. [1.1] FERRARI, F. Heavy flavour production at LHCb. In XIII INTERNATIONAL CONFERENCE ON BEAUTY, CHARM AND HYPERON HADRONS (BEACH 2018). ISSN 1742-6588, 2019, vol. 1137., Registrované v: WOS

5. [1.1] KRAMER, G. - SPIESBERGER, H. b-hadron production in the general-mass variable-flavor-number scheme and the LHC data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 114010., Registrované v: WOS

6. [1.1] SCHMIDT, I. - SIDDIKOV, M. Production mechanisms of open-heavy flavor mesons. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 20 2020, vol. 101, no. 9., Registrované v: WOS

7. [1.1] SIDDIKOV, M. - SCHMIDT, I. Single diffractive production of open heavy flavor mesons. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 28 2020, vol. 102, no. 7., Registrované v: WOS

ADCA442 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the differential cross-sections of prompt and non-prompt production of J/psi and psi(2S) in pp collisions at $\sqrt{s}=7$ and 8 TeV with the ATLAS detector. In *European Physical Journal C*, 2016, vol. 76, no. 5, art. no. 283. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4050-8>

Ohlasy:

1. [1.1] ANDRONIC, A. - BRAUN-MUNZINGER, R. - KOHLER, M.K. - REDLICH, K. - STACHEL, J. Transverse momentum distributions of charmonium states with the statistical hadronization model. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2019, vol. 797., Registrované v: WOS
2. [1.1] FACCIOLI, P. - LOURENCO, C. - MADLENER, T. From prompt to direct J/psi production: new insights on the $\chi(c1)$ and $\chi(c2)$ polarizations and feed-down contributions from a global-fit analysis of mid-rapidity LHC data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 14 2020, vol. 80, no. 7., Registrované v: WOS
3. [1.1] GRIGORYAN, Smbat. Using the Tsallis distribution for hadron spectra in pp collisions: Pions and quarkonia at $\sqrt{s}=5-13000$ GeV. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 056021., Registrované v: WOS
4. [1.1] KUMAR, Vineet - SHUKLA, Prashant. Charmonia production in p plus p collisions under NRQCD formalism. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 8, art. no. 085003., Registrované v: WOS
5. [1.1] LANSBERG, Jean-Philippe - SHAO, Hua-Sheng. Towards an automated tool to evaluate the impact of the nuclear modification of the gluon density on quarkonium, D and B meson production in proton-nucleus collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 77, no. 1, art. no. 1., Registrované v: WOS
6. [1.1] LANSBERG, Jean-Philippe - SHAO, Hua-Sheng. J/psi plus Z production at the LHC. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 06013., Registrované v: WOS
7. [1.1] LANSBERG, Jean-Philippe - SHAO, Hua-Sheng - YAMANAKA, Nodoka. Indication for double parton scatterings in W plus prompt J/psi production at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 781, pp. 485-491., Registrované v: WOS
8. [1.1] LANSBERG, J.P. New observables in inclusive production of quarkonia. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, DEC 20 2020, vol. 889, p. 1-106., Registrované v: WOS
9. [1.1] LANSBERG, J.P. - SHAO, H.S. - YAMANAKA, N. - ZHANG, Y.J. - NOUS, C. Complete NLO QCD study of single- and double-quarkonium hadroproduction in the colour-evaporation model at the Tevatron and the LHC. In

ADCA443 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the differential cross-section of highly boosted top quarks as a function of their transverse momentum in $\sqrt{s}=8$ TeV proton-proton collisions using the ATLAS detector. In *Physical Review D*, 2016, vol. 93, no. 3, art. no. 032009. (2015: 4.506 - IF, Q2 - JCR, 2.236 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.93.032009>

Ohlasy:

1. [1.1] DREYER, Frederic A. - NECIB, Lina - SOYEZ, Gregory - THALER, Jesse. Recursive Soft Drop. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 093., Registrované v: WOS
2. [1.1] FRANZOSI, D.B. - CACCIAPAGLIA, G. - DEANDREA, A. Sigma-assisted low scale composite Goldstone-Higgs. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 11 2020, vol. 80, no. 1., Registrované v: WOS
3. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS
4. [1.1] KIDONAKIS, Nikolaos. Soft-gluon corrections in top-quark production. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 25, art. no. 1830021., Registrované v: WOS
5. [1.1] KOMISKE, Patrick T. - METODIEV, Eric M. - THALER, Jesse. Energy flow polynomials: a complete linear basis for jet substructure. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 4, art. no. 013., Registrované v: WOS
6. [1.1] MARTIN, A. D. - RYSKIN, M. G. Optimal choice of factorization scales for the description of jet production at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 4, art. no. 218., Registrované v: WOS
7. [1.1] TOKAREV, Mikhail - ZBOROVSKY, Imrich. Top-Quark p(T)-Spectra at LHC and Flavor Independence of z-Scaling. In XLVI INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2016). ISSN 2100-014X, 2017, vol. 141, art. no. UNSP 02006., Registrované v: WOS
8. [1.1] TOKAREV, M.V. - ZBOROVSKY, I. - KECHECHYAN, A.O. - DEDOVICH, T.G. Verification of z-Scaling in p, p and Au plus Au Collisions at RHIC, Tevatron and LHC. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, MAR 2020, vol. 51, no. 2, p. 141-171., Registrované v: WOS

ADCA444 AAD, G. - ABAJYAN, T. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at $\sqrt{s(NN)}=2.76$ TeV with the ATLAS detector at the LHC. In *Journal of High Energy Physics*, 2013, no. 11, art. no. 183. (2012: 5.618 - IF, 1.475 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current

Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na:
[https://doi.org/10.1007/JHEP11\(2013\)183](https://doi.org/10.1007/JHEP11(2013)183)

Ohlasy:

1. [1.1] ABBASI, Navid - ALLAHBAKHSI, Davood - DAVODY, Ali - TAGHAVI, Seyed Farid. Standardized cumulants of flow harmonic fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 024906., Registrované v: WOS
2. [1.1] ALBA, P. - SARTI, V. Mantovani - NORONHA, J. - NORONHA-HOSTLER, J. - PAROTTO, P. - VAZQUEZ, I. Portillo - RATTI, C. Effect of the QCD equation of state and strange hadronic resonances on multiparticle correlations in heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034909., Registrované v: WOS
3. [1.1] BERAUDO, Andrea - DE PACE, Arturo - MONTENO, Marco - NARDI, Marzia - PRINO, Francesco. Development of heavy-flavour flow-harmonics in high-energy nuclear collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 043., Registrované v: WOS
4. [1.1] BHALERAO, R.S. - GIACALONE, G. - OLLITRAULT, J.Y. Kurtosis of elliptic flow fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 30 2019, vol. 99, no. 1., Registrované v: WOS
5. [1.1] BRAVINA, L. - JOHANSSON, B. H. Brusheim - CRKOVSKA, J. - EYYUBOVA, G. - KOROTKIKH, V. - LOKHTIN, I. - MALININA, L. - NAZAROVA, E. - PETRUSHANKO, S. - SNIGIREV, A. - ZABRODIN, E. Novel Developments of HYDJET plus plus Model for Ultra-relativistic Heavy-Ion Collisions. In NEW HORIZONS IN FUNDAMENTAL PHYSICS, 2017, pp. 187-197., Registrované v: WOS
6. [1.1] CASTLE, James R. Measurement of the Width and Skewness of Elliptic Flow Fluctuations in PbPb Collisions at 5.02 TeV with CMS. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 401-404., Registrované v: WOS
7. [1.1] CRITELLI, Renato - NORONHA, Jorge - NORONHA-HOSTLER, Jacquelyn - PORTILLO, Israel - RATTI, Claudia - ROUGEMONT, Romulo. Critical point in the phase diagram of primordial quark-gluon matter from black hole physics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 096026., Registrované v: WOS
8. [1.1] CRITELLI, Renato - ROUGEMONT, Romulo - NORONHA, Jorge. Homogeneous isotropization and equilibration of a strongly coupled plasma with a critical point. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 12, art. no. 029., Registrované v: WOS
9. [1.1] CRITELLI, R. - ROUGEMONT, R. - NORONHA, J. Holographic Bjorken flow of a hot and dense fluid in the vicinity of a critical point. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 13 2019, vol. 99, no. 6., Registrované v: WOS
10. [1.1] DORDEVIC, M. - MILOSEVIC, J. - NADDERD, L. - STOJANOVIC, M. - WANG, F. - ZHU, X. Correlations between azimuthal anisotropy Fourier harmonics in PbPb collisions at root S-NN=2.76 TeV in the HYDJET plus plus model and in the multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 10 2020, vol. 101, no. 1., Registrované v: WOS
11. [1.1] FRASSINO, Antonia M. - BLEICHER, Marcus - MANN,

Robert B. Unruh thermal hadronization and the cosmological constant. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 780, pp. 93-99.,

Registrované v: WOS

12. [1.1] GARDIM, Fernando G. - GRASSI, Frederique - LUZUM, Matthew - NORONHA-HOSTLER, Jacquelyn. Hydrodynamic predictions for mixed harmonic correlations in 200 GeV Au+ Au collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 3, art. no. 034901.,

Registrované v: WOS

13. [1.1] GARDIM, Fernando G. - GRASSI, Frederique - ISHIDA, Pedro - LUZUM, Matthew - MAGALHAES, Pablo S. - NORONHA-HOSTLER, Jacquelyn. Sensitivity of observables to coarse-graining size in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 6, art. no. 064919., Registrované v: WOS

14. [1.1] GIACALONE, Giuliano - NORONHA-HOSTLER, Jacquelyn - OLLITRAULT, Jean-Yves. Relative flow fluctuations as a probe of initial state fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 5, art. no. 054910., Registrované v: WOS

15. [1.1] GIACALONE, Giuliano - YAN, Li - NORONHA-HOSTLER, Jacquelyn - OLLITRAULT, Jean-Yves. Skewness of elliptic flow fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 1, art. no. 014913., Registrované v: WOS

16. [1.1] GUPTA, S. - SHARMA, R. Real-time warm pions from the lattice using an effective theory. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, NOV 30 2020, vol. 35, no. 33., Registrované v: WOS

17. [1.1] JAISWAL, A. - HAQUE, N. Covariant kinetic theory and transport coefficients for Gribov plasma. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS

18. [1.1] KATZ, R. - PRADO, C.A.G. - NORONHA-HOSTLER, J. - NORONHA, J. - SUAIDE, A.A.P. Sensitivity study with a D and B mesons modular simulation code of heavy flavor R-AA and azimuthal anisotropies based on beam energy, initial conditions, hadronization, and suppression mechanisms. In PHYSICAL REVIEW C. ISSN 0556-2813, AUG 10 2020, vol. 102, no. 2., Registrované v: WOS

19. [1.1] LIU, Z.M. - ZHAO, W.B. - SONG, H.C. Principal component analysis of collective flow in relativistic heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 2019, vol. 79, no. 10., Registrované v: WOS

20. [1.1] MEHRABPOUR, H. Systematic analysis of flow distributions. In PHYSICAL REVIEW C. ISSN 2469-9985, DEC 11 2020, vol. 102, no. 6., Registrované v: WOS

21. [1.1] PASECHNIK, Roman - SUMBERA, Michal. Phenomenological Review on Quark-Gluon Plasma: Concepts vs. Observations. In UNIVERSE. ISSN 2218-1997, 2017, vol. 3, no. 1, art. no. 7., Registrované v: WOS

22. [1.1] PETRUSHANKO, S. V. - ALKIN, A. A. - BELYAEV, A. V. - BRAVINA, L. V. - EYYUBOVA, G. Kh. - KOROTKIKH, V. L. - LOKHTIN, I. P. - MALININA, L. V. - NAZAROVA, E. N. - PONIMATKIN, G. - PRONINA, E. Yu. - SNIGIREV, A. M. - ZABRODIN, E. E. HYDJET plus plus model as a hot mixture of jets and hydrodynamics at ultra-relativistic heavy-ion collisions. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014,

- 2017, vol. 289, pp. 381-384., Registrované v: WOS
23. [1.1] PLUMARI, S. - COCI, G. - MINISSALE, V. - DAS, S.K. - SUN, Y.F. - GRECO, V. Heavy-light flavor correlations of anisotropic flows at LHC energies within event-by-event transport approach. In PHYSICS LETTERS B. ISSN 0370-2693, JUN 10 2020, vol. 805., Registrované v: WOS
24. [1.1] PLUMBERG, Christopher - HEINZ, Ulrich. Hanbury-Brown-Twiss correlation functions and radii from event-by-event hydrodynamics. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034910., Registrované v: WOS
25. [1.1] ROUGEMONT, Romulo - CRITELLI, Renato - NORONHA-HOSTLER, Jacquelyn - NORONHA, Jorge - RATTI, Claudia. Dynamical versus equilibrium properties of the QCD phase transition: A holographic perspective. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 014032., Registrované v: WOS
26. [1.1] ROUGEMONT, Romulo - CRITELLI, Renato - NORONHA, Jorge. Nonhydrodynamic quasinormal modes and equilibration of a baryon dense holographic QGP with a critical point. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 034028., Registrované v: WOS
27. [1.1] ROUGEMONT, R. Jet quenching parameters in strongly coupled anisotropic plasmas in the presence of magnetic fields. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 10 2020, vol. 102, no. 3., Registrované v: WOS
28. [1.1] TUO, Shengquan. Mixed higher-order flow harmonics and nonlinear response coefficients in PbPb collisions at 2.76 and 5.02 TeV with CMS. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 381-384., Registrované v: WOS
29. [1.1] XIAO, Kai - LIU, Feng - WANG, Fu-Qiang. Eccentricity fluctuations are not the only source of elliptic flow fluctuations in a multiphase transport model. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 9, art. no. 094103., Registrované v: WOS
30. [1.1] YAN, Li. A flow paradigm in heavy-ion collisions. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 4, art. no. 042001., Registrované v: WOS
31. [1.1] YAN, Li. Hydrodynamic modeling of heavy-ion collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 89-96., Registrované v: WOS
32. [1.1] YASSIN, H. - ELYAZEED, E.R.A. - BREAK, R.E. - MEGAHEED, A.M. - TAWFIK, A.N. Hadronization correspondence of Hawking-Unruh radiation from rotating and electrically charged black holes. In PHYSICA SCRIPTA. ISSN 0031-8949, JUN 2020, vol. 95, no. 6., Registrované v: WOS
33. [1.1] ZIGIC, D. - ILIC, B. - DJORDJEVIC, M. - DJORDJEVIC, M. Exploring the initial stages in heavy-ion collisions with high-p(perpendicular to) theory and data. In PHYSICAL REVIEW C. ISSN 0556-2813, JUN 25 2020, vol. 101, no. 6., Registrované v: WOS

ADCA445 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the double-differential high-mass Drell-Yan cross section in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2016, vol. 2016,

no. 8, art. no. 009. (2015: 6.023 - IF, Q1 - JCR, 1.343 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1029-8479.
Dostupné na: [https://doi.org/10.1007/JHEP08\(2016\)009](https://doi.org/10.1007/JHEP08(2016)009)

Ohlasy:

1. [1.1] ALIOLI, Simone - FARINA, Marco - PAPPADOPULO, Duccio - RUDERMAN, Joshua T. Catching a New Force by the Tail. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 10, art. no. 101801., Registrované v: WOS
2. [1.1] COOK, Dianne - LAA, Ursula - VALENCIA, German. Dynamical projections for the visualization of PDFSense data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 742., Registrované v: WOS
3. [1.1] FORTE, S. - LEVY, A. - RIDOLFI, G. From My Vast Repertoire ... Guido Altarelli's Legacy Preface. In FROM MY VAST REPERTOIRE ... : GUIDO ALTARELLI'S LEGACY. 2019, p. V-+., Registrované v: WOS
4. [1.1] GONZALEZ-ALONSO, M. - NAVILIAT-CUNCIC, O. - SEVERIJNS, N. New physics searches in nuclear and neutron beta decay. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, JAN 2019, vol. 104, p. 165-223., Registrované v: WOS
5. [1.1] HARLAND-LANG, L. A. - KHOZE, V. A. - RYSKIN, M. G. Photon-initiated processes at high mass. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 074008., Registrované v: WOS
6. [1.1] HARLAND-LANG, L.A. - MARTIN, A.D. - NATHVANI, R. - THORNE, R.S. Ad Lucem: QED parton distribution functions in the MMHT framework. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 2019, vol. 79, no. 10., Registrované v: WOS
7. [1.1] CHIVUKULA, R. Sekhar - ISAACSON, Joshua - MOHAN, Kirtimaan A. - SENGUPTA, Dipan - SIMMONS, Elizabeth H. R-K anomalies and simplified limits on Z' models at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075012., Registrované v: WOS
8. [1.1] INAN, S. C. - KISSELEV, A. Search for the RS model with a small curvature through photon-induced process at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 729., Registrované v: WOS
9. [1.1] MANOHAR, Aneesh - NASON, Paolo - SALAM, Gavin P. - ZANDERIGHI, Giulia. How Bright is the Proton? A Precise Determination of the Photon Parton Distribution Function. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 117, no. 24, art. no. 242002., Registrované v: WOS
10. [1.1] PAKTINAT, S. - REZAEI, Z. The LHC Drell-Yan measurements as a constraint for the noncommutative space-time. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, OCT 2019, vol. 46, no. 10., Registrované v: WOS

ADCA446 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the Drell-Yan triple-differential cross section in pp collisions at $\sqrt{s}=8$ TeV. In *Journal of High Energy Physics*, 2017, no. 12, art. no. 059. (2016: 6.063 - IF, Q1 - JCR, 1.163 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents,

WOS, SCOPUS). ISSN 1029-8479. Dostupné na:
[https://doi.org/10.1007/JHEP12\(2017\)059](https://doi.org/10.1007/JHEP12(2017)059)

Ohlasy:

1. [1.1] ACCOMANDO, E. - FIASCHI, J. - HAUTMANN, F. - MORETTI, S. Neutral current forward-backward asymmetry: from theta(W) to PDF determinations. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 8, art. no. 663., Registrované v: WOS
2. [1.1] ACCOMANDO, E. - FIASCHI, J. - HAUTMANN, F. - MORETTI, S. Constraining parton distribution functions from neutral current Drell-Yan measurements. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 013003., Registrované v: WOS
3. [1.1] BIZON, W. - GEHRMANN-DE RIDDER, A. - GEHRMANN, T. - GLOVER, N. - HUSS, A. - MONNI, P.F. - RE, E. - ROTTOLI, L. - WALKER, D.M. The transverse momentum spectrum of weak gauge bosons at (NLL)-L-3 + NNLO. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 2019, vol. 79, no. 10., Registrované v: WOS
4. [1.1] GONCALVES, Dorival - NAKAMURA, Junya. Role of the Z polarization in the H->b(b)over-bar measurement. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 093005., Registrované v: WOS
5. [1.1] GONCALVES, D. - NAKAMURA, J. Boosting the H-> invisibles searches with Z boson polarization. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 18 2019, vol. 99, no. 5., Registrované v: WOS
6. [1.1] PAKTINAT, S. - REZAEI, Z. The LHC Drell-Yan measurements as a constraint for the noncommutative space-time. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, OCT 2019, vol. 46, no. 10., Registrované v: WOS

ADCA447 AARON, F.D. - BRUNCKO, Dušan - FERENCEI, Jozef - MURÍN, Pavol - TOMASZ, Filip. Measurement of the D*(+/-) meson production cross section and F-2(c(c)over-bar) at high Q(2) in ep scattering at HERA. In *Physics Letters B*, 2010, vol. 686, no. 2-3, p. 91-100. (2009: 5.083 - IF, 2.886 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] BALL, Richard D. - BERTONE, Valerio - CARRAZZA, Stefano - DEANS, Christopher S. - DEL DEBBIO, Luigi - FORTE, Stefano - GUFFANTI, Alberto - HARTLAND, Nathan P. - LATORRE, Jose I. - ROJO, Juan - UBIALI, Maria. Parton distributions for the LHC run II. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 040., Registrované v: WOS
2. [1.1] BEHNKE, O. - GEISER, A. - LISOVYI, M. Charm, beauty and top at HERA. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2015, vol. 84, pp. 1-72., Registrované v: WOS

ADCA448 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the electroweak production of dijets in association with a Z-boson and distributions sensitive to vector boson fusion in proton-proton collisions at=8 TeV using the ATLAS detector. In *Journal of High Energy Physics*, 2014, vol. 2014, no. 4, art. no. 031. (2013: 6.220 - IF, Q1 - JCR, 1.173 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP04\(2014\)031](https://doi.org/10.1007/JHEP04(2014)031)

Ohlasy:

1. [1.1] AZZURRI, Paolo. Measurements of the hadronic activity and the electroweak production in events with a Z boson and two jets in proton-proton collisions with the CMS experiment. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 2148-2153., Registrované v: WOS
2. [1.1] CABOUAT, Baptiste - SJOSTRAND, Torbjorn. Some dipole shower studies. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 226., Registrované v: WOS
3. [1.1] FORTE, S. - LEVY, A. - RIDOLFI, G. From My Vast Repertoire ... Guido Altarelli's Legacy Preface. In FROM MY VAST REPERTOIRE ... : GUIDO ALTARELLI'S LEGACY. 2019, p. V-+., Registrované v: WOS
4. [1.1] WEI, Hua-Rong - LIU, Fu-Hu. A Study of Transverse Momentum Distributions of Jets Produced in p-p, p-(p)over-bar, d-Au, Au-Au, and Pb-Pb Collisions at High Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 263135., Registrované v: WOS
5. [1.1] YAP, Y.C. Recent observation and measurements of diboson processes from the ATLAS experiment. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, SEP 14 2020, vol. 35, no. 28., Registrované v: WOS

ADCA449 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of the exclusive gamma gamma - mu(+)mu(-) process in proton-proton collisions at root s=13 TeV with the ATLAS detector. In *Physics Letters B*, 2018, vol. 777, p. 303-323. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2017.12.043>

Ohlasy:

1. [1.1] FORTHOMME, L. - LUSZCZAK, M. - SCHAFER, W. - SZCZUREK, A. Rapidity gap survival factors caused by remnant fragmentation for W+W- pair production via gamma*gamma* -> W+W- subprocess with photon transverse momenta. In PHYSICS LETTERS B. ISSN 0370-2693, FEB 10 2019, vol. 789, p. 300-307., Registrované v: WOS
2. [1.1] GONCALVES, V. P. - JAIME, M. M. - MARTINS, D. E. - RANGEL, M. S. Exclusive and diffractive mu(+)mu(-) production in pp collisions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 074024., Registrované v: WOS
3. [1.1] GONCALVES, V. P. - MOREIRA, B. D. eta(c) production in photon-induced interactions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 094009., Registrované v: WOS
4. [1.1] GONCALVES, V.P. - MOREIRA, B.D. Probing the X(4350) in interactions at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 4 2019, vol. 79, no. 1., Registrované v: WOS
5. [1.1] KHOZE, V. A. - MARTIN, A. D. - RYSKIN, M. G. Multiple interactions and rapidity gap survival. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 5, art. no. 053002., Registrované v: WOS
6. [1.1] LEBIEDOWICZ, Piotr - SZCZUREK, Antoni. Exclusive and semiexclusive production of mu(+) mu(-) pairs with Delta isobars and other

resonances in the final state and the size of absorption effects. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 053007., Registrované v: WOS

7. [1.1] VYSOTSKY, M.I. - ZHEMCHUGOV, E.V. Equivalent photons in proton-proton and ion-ion collisions at the Large Hadron Collider. In PHYSICS-USPEKHI. ISSN 1063-7869, 2019, vol. 62, no. 9, p. 910-919., Registrované v: WOS

ADCA450 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the flavour composition of dijet events in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *European Physical Journal C*, 2013, vol. 73, no. 2, art. no. 2301. (2012: 5.247 - IF, Q1 - JCR, 3.034 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-013-2301-5>

Ohlasy:

1. [1.1] CAO, Shanshan - QIN, Guang-You - WANG, Xin-Nian. Gluon contribution to open heavy-meson production in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 2, art. no. 024912., Registrované v: WOS

2. [1.1] ILTEN, Philip - RODD, Nicholas L. - THALER, Jesse - WILLIAMS, Mike. Disentangling heavy flavor at colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 054019., Registrované v: WOS

3. [1.1] VOUTILAINEN, Mikko. Heavy quark jets at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 31, art. no. 1546008., Registrované v: WOS

4. [1.1] XING, W.J. - CAO, S.S. - QIN, G.Y. - XING, H.X. Flavor hierarchy of jet quenching in relativistic heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, JUN 10 2020, vol. 805., Registrované v: WOS

ADCA451 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the forward-backward asymmetry of electron and muon pair-production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2015, vol. 2015, no. 9, art. no. 049. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP09\(2015\)049](https://doi.org/10.1007/JHEP09(2015)049)

Ohlasy:

1. [1.1] ACCOMANDO, E. - FIASCHI, J. - HAUTMANN, F. - MORETTI, S. Neutral current forward-backward asymmetry: from $\theta(W)$ to PDF determinations. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 8, art. no. 663., Registrované v: WOS

2. [1.1] BUCCIONI, F. - CAOLA, F. - DELTO, M. - JAQUIER, M. - MELNIKOV, K. - RONTSCH, R. Mixed QCD-electroweak corrections to on-shell Z production at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS

3. [1.1] CAMPBELL, John M. - MILLER, David J. - ROBENS, Tania. Next-to-leading order predictions for WW plus jet production. In PHYSICAL

REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 014033.,
Registrované v: WOS

4. [1.1] CAMPBELL, John M. - WACKEROTH, Doreen - ZHOU, Jia.
Study of weak corrections to Drell-Yan, top-quark pair, and dijet production at
high energies with MCFM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016,
vol. 94, no. 9, art. no. 093009., Registrované v: WOS

5. [1.1] ESCRIHUELA, F.J. - FLORES, L.J. - MIRANDA, O.G.
Neutrino counting experiments and non-unitarity from LEP and future
experiments. In PHYSICS LETTERS B. ISSN 0370-2693, MAR 10 2020, vol.
802., Registrované v: WOS

6. [1.1] KHAN, A.N. $\sin(2)\theta(w)$ estimate and neutrino
electromagnetic properties from low-energy solar data. In JOURNAL OF
PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, MAR
2019, vol. 46, no. 3., Registrované v: WOS

7. [1.1] KOMISKE, P.T. - METODIEV, E.M. - THALER, J. Cutting
multiparticle correlators down to size. In PHYSICAL REVIEW D. ISSN
2470-0010, FEB 24 2020, vol. 101, no. 3., Registrované v: WOS

8. [1.1] LUCCHESI, D. Top, electroweak and recent results from CDF
and combinations from the Tevatron. In NUOVO CIMENTO C-COLLOQUIA
AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2017, vol. 40, no.
5, art. no. 181., Registrované v: WOS

9. [1.1] MARTINEZ, C.M. The ATLAS Level-1 topological processor:
Experience and upgrade plans. In INTERNATIONAL JOURNAL OF MODERN
PHYSICS A. ISSN 0217-751X, DEC 20 2020, vol. 35, no. 34-35, SI.,
Registrované v: WOS

10. [1.1] QUINN, B. Measurements and combination of
 $\sin(2)\theta(\text{lept})(\text{eff})$ at the Tevatron. In NUOVO CIMENTO C-COLLOQUIA
AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2018, vol. 41, no.
4, art. no. 150., Registrované v: WOS

ADCA452 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. -
BRUNCKO, Dušan - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of the
four-lepton invariant mass spectrum in 13 TeV proton-proton collisions with the
ATLAS detector. In *Journal of High Energy Physics*, 2019, no. 4, art. no. 048.
(2018: 5.833 - IF, Q1 - JCR, 1.016 - SJR, Q1 - SJR, Current Contents - CCC). (2019
- Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na:
[https://doi.org/10.1007/JHEP04\(2019\)048](https://doi.org/10.1007/JHEP04(2019)048)

Ohlasy:

1. [1.1] BECHER, T. - HAGER, M. Event-based transverse momentum
resummation. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044,
AUG 8 2019, vol. 79, no. 8., Registrované v: WOS

ADCA453 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. -
BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef.
Measurement of the Higgs boson coupling properties in the $H - ZZ^* - 4l$ decay
channel at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Journal of High Energy
Physics*, 2018, no. 3, art. no. 095. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 -
SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN
1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP03\(2018\)095](https://doi.org/10.1007/JHEP03(2018)095)

Ohlasy:

1. [1.1] ALTMANNSHOFER, Wolfgang - MADDOCK, Brian. Flavorful two-Higgs-doublet models with a twist. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075005., Registrované v: WOS
2. [1.1] BAGLIO, J. - DAWSON, S. - LEWIS, I.M. NLO effects in EFT fits to $W^+ W^-$ production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 20 2019, vol. 99, no. 3., Registrované v: WOS
3. [1.1] BAGNASCHI, E. - BAHL, H. - FUCHS, E. - HAHN, T. - HEINEMEYER, S. - LIEBLER, S. - PATEL, S. - SLAVICH, P. - STEFANIAK, T. - WAGNER, C.E.M. - WEIGLEIN, G. MSSM Higgs boson searches at the LHC: benchmark scenarios for Run 2 and beyond. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 20 2019, vol. 79, no. 7., Registrované v: WOS
4. [1.1] BAHL, H. - LIEBLER, S. - STEFANIAK, T. MSSM Higgs benchmark scenarios for Run 2 and beyond: the low $\tan\beta$ region. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS
5. [1.1] BIEKOTTER, A. - CORBETT, T. - PLEHN, T. The Gauge-Higgs legacy of the LHC run II. In SCIPOST PHYSICS. ISSN 2542-4653, JUN 2019, vol. 6, no. 6., Registrované v: WOS
6. [1.1] BONVINI, Marco - MARZANI, Simone. Double Resummation for Higgs Production. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 20, art. no. 202003., Registrované v: WOS
7. [1.1] DAS, Biswaranjan - MORETTI, Stefano - MUNIR, Shoaib - POULOSE, Poulouse. Quantum interference among heavy NMSSM Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 055020., Registrované v: WOS
8. [1.1] GHOSH, T. - GODBOLE, R. - TATA, X. Determining the spacetime structure of bottom-quark couplings to spin-zero particles. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 18 2019, vol. 100, no. 1., Registrované v: WOS
9. [1.1] GONCALVES, Dorival - HAN, Tao - MUKHOPADHYAY, Satyanarayan. Higgs couplings at high scales. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 015023., Registrované v: WOS
10. [1.1] CHATTERJEE, S. - DAS, A. - SAMUI, T. - SEN, M. Mixed WIMP-axion dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 31 2019, vol. 100, no. 11., Registrované v: WOS
11. [1.1] KANG, Sin Kyu - QIAN, Zhuoni - SONG, Jeonghyeon - YOON, Yeo Woong. Confronting the fourth generation two-Higgs-doublet model with the phenomenology of heavy Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095025., Registrované v: WOS
12. [1.1] KRAML, S. - LOC, T.Q. - NHUNG, D.T. - NINH, L.D. Constraining new physics from Higgs measurements with Lilith: update to LHC Run 2 results. In SCIPOST PHYSICS. ISSN 2542-4653, OCT 2019, vol. 7, no. 4., Registrované v: WOS
13. [1.1] WAN, X. - WANG, Y.K. Probing the CP violating $H\gamma\gamma$ coupling using interferometry. In CHINESE PHYSICS C. ISSN 1674-1137, JUL 2019, vol. 43, no. 7., Registrované v: WOS
14. [1.1] ZAGOSKIN, Taras - KORCHIN, Alexander. Higgs boson ZZ

couplings in Higgs-strahlung at the ILC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 093008., Registrované v: WOS

ADCA454 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the Higgs boson mass from the H - gamma gamma and H - ZZ* - 4l channels in pp collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2014, vol. 90, no. 5, art. no. 052004. (2013: 4.864 - IF, Q1 - JCR, 2.482 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Ohlasy:

1. [1.1] AHRICHE, Amine - BOUCENNA, Sofiane M. - NASRI, Salah. Dark radiative inverse seesaw mechanism. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075036., Registrované v: WOS
2. [1.1] ARANDA, J. I. - CORTES-MALDONADO, I. - RAMIREZ-ZAVALA, F. - TUTUTI, E. S. The Z(H) > gamma H decay in the littlest Higgs model. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 2, art. no. 025002., Registrované v: WOS
3. [1.1] BANIK, Amit Dutta - SAHA, Abhijit Kumar - SIL, Arunansu. Scalar assisted singlet doublet fermion dark matter model and electroweak vacuum stability. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075013., Registrované v: WOS
4. [1.1] BIINO, C. Status of the LHC experiments and Standard-Model result highlights. In ASTRONOMISCHE NACHRICHTEN. ISSN 0004-6337, 2015, vol. 336, no. 8-9, pp. 762-767., Registrované v: WOS
5. [1.1] BONILLA, Cesar - ROMAO, Jorge C. - VALLE, Jose W. F. Neutrino mass and invisible Higgs decays at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 113015., Registrované v: WOS
6. [1.1] CAMPBELL, John M. - ELLIS, R. Keith - WILLIAMS, Ciaran. Driving missing data at the LHC: NNLO predictions for the ratio of gamma plus j and Z plus j. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 014037., Registrované v: WOS
7. [1.1] CAMPBELL, John M. - ELLIS, R. Keith - WILLIAMS, Ciaran. Direct Photon Production at Next-to-Next-to-Leading Order. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 118, no. 22, art. no. 222001., Registrované v: WOS
8. [1.1] CIUCHINI, Marco - FRANCO, Enrico - MISHIMA, Satoshi - PIERINI, Maurizio - REINA, Laura - SILVESTRINI, Luca. Update of the electroweak precision fit, interplay with Higgs-boson signal strengths and model-independent constraints on new physics. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 2219-2225., Registrované v: WOS
9. [1.1] CLINE, James M. - DUPUIS, Grace - LIU, Zuowei - XUE, Wei. Multimediator models for the Galactic Center gamma ray excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 11, art. no. 115010., Registrované v: WOS
10. [1.1] DEV, P. S. Bhupal - PILAFTSIS, Apostolos. Natural Standard Model Alignment in the Two Higgs Doublet Model. In 4TH SYMPOSIUM ON

PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES

(DISCRETE2014). ISSN 1742-6588, 2015, vol. 631, art. no. 012030.,

Registrované v: WOS

11. [1.1] DUBININ, M. N. - PETROVA, E. Yu. Simplified Parametric Scenarios of the Minimal Supersymmetric Standard Model after the Discovery of the Higgs Boson. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2016, vol. 79, no. 4, pp. 488-500., Registrované v: WOS

12. [1.1] DUBININ, M. N. - PETROVA, E. Yu. Radiative corrections to Higgs boson masses for the MSSM Higgs potential with dimension-six operators. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055021., Registrované v: WOS

13. [1.1] DUBININ, M.N. - FEDOTOVA, E.Y. On the Interpretation of the CMS Excess at an Invariant Mass of the Muon Pair of 28 GeV in the Minimal Supersymmetry. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, DEC 2020, vol. 131, no. 6, p. 917-927., Registrované v: WOS

14. [1.1] EFRATI, Aielet - KUFLIK, Eric - NUSSINOV, Shmuel - SOREQ, Yotam - VOLANSKY, Tomer. Constraining the Higgs-dilaton with LHC and dark matter searches. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 5, art. no. 055034., Registrované v: WOS

15. [1.1] ELLIS, John. Discrete Glimpses. In 4TH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES (DISCRETE2014). ISSN 1742-6588, 2015, vol. 631, art. no. 012001., Registrované v: WOS

16. [1.1] GOODSSELL, Mark D. - NICKEL, Kilian - STAUB, Florian. The Higgs mass in the MSSM at two-loop order beyond minimal flavour violation. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 758, pp. 18-25., Registrované v: WOS

17. [1.1] HAHN, T. - HEINEMEYER, S. - HOLLIK, W. - RZEHA, H. - WEIGLEIN, G. High Precision Prediction for M-h in the MSSM. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 794-800., Registrované v: WOS

18. [1.1] HAN, Chengcheng - HIKASA, Ken-ichi - WU, Lei - YANG, Jin Min - ZHANG, Yang. Status of CMSSM in light of current LHC Run-2 and LUX data. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 769, pp. 470-476., Registrované v: WOS

19. [1.1] HENG, Zhaoxia - ZHOU, Haijing. Higgs-strahlung production process $e^{+}e^{-} \rightarrow hZ$ at the future Higgs factory in the SM extension with color-octet scalars. In CHINESE JOURNAL OF PHYSICS. ISSN 0577-9073, 2016, vol. 54, no. 2, pp. 308-313., Registrované v: WOS

20. [1.1] CHANG, Sanghyeon - KANG, Sin Kyu - LEE, Jong-Phil - SONG, Jeonghyeon. Higgs potential and hidden light Higgs scenario in two Higgs doublet models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 075023., Registrované v: WOS

21. [1.1] CHARITY, R. J. Resonance phenomena: From compound nucleus decay to proton radioactivity. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2016, vol. 131, no. 3, pp. 1-27., Registrované v: WOS

22. [1.1] CHECCHIA, Paolo. Implications of a 125 GeV Higgs boson. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 7, art. no. 1530003., Registrované v: WOS

23. [1.1] CHEUNG, Kingman - LEE, Jae Sik - TSENG, Po-Yan. Higgs data constraints on the minimal supersymmetric standard model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 095004., Registrované v: WOS
24. [1.1] ISHIWATA, Koji - YONEKURA, Yuki. Longitudinal W boson scattering in a light scalar top scenario. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015009., Registrované v: WOS
25. [1.1] KANG, Zhong-Bo - VITEV, Ivan - XING, Hongxi. Vector-boson-tagged jet production in heavy ion collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 1, art. no. 014912., Registrované v: WOS
26. [1.1] KONAR, P. - MUKHERJEE, A. - SAHA, A.K. - SHOW, S. Linking pseudo-Dirac dark matter to radiative neutrino masses in a singlet-doublet scenario. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 27 2020, vol. 102, no. 1., Registrované v: WOS
27. [1.1] KORYTOV, Andrey. Experimental Methods at the LHC. In JOURNEYS THROUGH THE PRECISION FRONTIER: AMPLITUDES FOR COLLIDERS (TASI 2014), 2016, pp. 99-181., Registrované v: WOS
28. [1.1] LIPATOV, A. V. - MALYSHEV, M. A. Reconsideration of the inclusive prompt photon production at the LHC with k(T)-factorization. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 034020., Registrované v: WOS
29. [1.1] MARIOTTI, Chiara - PASSARINO, Giampiero. Higgs boson couplings: Measurements and theoretical interpretation. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 4, art. no. 1730003., Registrované v: WOS
30. [1.1] MARTIN, Stephen P. Pole mass of the W boson at two-loop order in the pure (MS)over-bar scheme. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 11, art. no. 114003., Registrované v: WOS
31. [1.1] MIHAILA, Luminita N. - STEINHAUSER, Matthias. Selected topics on multi-loop calculations to Higgs boson properties and renormalization group functions. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2015, vol. 261, pp. 443-470., Registrované v: WOS
32. [1.1] MOYOTL, A. New sources of CP violation. In 31ST ANNUAL MEETING OF THE DIVISION OF PARTICLES AND FIELDS (DPYC) OF THE MEXICAN PHYSICAL SOCIETY. ISSN 1742-6588, 2017, vol. 912, art. no. 012019., Registrované v: WOS
33. [1.1] NGUYEN ANH KY - NGUYEN THI HONG VAN. Latest results on the Higgs boson discovery and investigation at the ATLAS-LHC. In IWTCP-2 AND NCTP-39. ISSN 1742-6588, 2015, vol. 627, art. no. 012011., Registrované v: WOS
34. [1.1] OBIKHOD, T.V. - PETRENKO, E.A. INVESTIGATIONS OF ELECTROWEAK SYMMETRY BREAKING MECHANISM FOR HIGGS BOSON DECAYS INTO FOUR FERMIONS. In PROBLEMS OF ATOMIC SCIENCE AND TECHNOLOGY. ISSN 1562-6016, 2020, no. 5, p. 8-12., Registrované v: WOS
35. [1.1] OKADA, Nobuchika - SHAFI, Qaisar. Higgs inflation, seesaw physics and fermion dark matter. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 223-228., Registrované v: WOS
36. [1.1] PELI, Z. - NANDORI, I. - TROCSANYI, Z. Particle physics

model of curvaton inflation in a stable universe. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 27 2020, vol. 101, no. 6., Registrované v: WOS

37. [1.1] SHANG, Liangliang - HE, Yangle - LIAN, Jingwei - PAN, Yusi. Interpretations of galactic center gamma-ray excess confronting the PandaX-II constraints on dark matter-neutron spin-dependent scatterings in the NMSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 5, art. no. 390., Registrované v: WOS

38. [1.1] YU, Felix. Light Quark Yukawa Couplings and the $W(+/-)h$ Charge Asymmetry. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 285, pp. 123-125., Registrované v: WOS

ADCA455 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of the Higgs boson mass in the $H - ZZ^* - 4l$ and $H - \gamma\gamma$ channels with $\sqrt{s}=13$ TeV pp collisions using the ATLAS detector. In *Physics Letters B*, 2018, vol. 784, p. 345-366. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.07.050>

Ohlasy:

1. [1.1] BIEKOTTER, T. - HEINEMEYER, S. - MUNOZ, C. Precise prediction for the Higgs-Boson masses in the $\mu\mu$ SSM with three right-handed neutrino superfields. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 8 2019, vol. 79, no. 8., Registrované v: WOS
2. [1.1] DIAZ-CRUZ, J.L. The Higgs profile in the standard model and beyond. In REVISTA MEXICANA DE FISICA. ISSN 0035-001X, SEP-OCT 2019, vol. 65, no. 5, p. 419-439., Registrované v: WOS
3. [1.1] DREES, Manuel - HAJKARIM, Fazlollah. Neutralino dark matter in scenarios with early matter domination. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 042., Registrované v: WOS
4. [1.1] DUMITRU, S. - HERWIG, C. - OVRUT, B.A. R-parity violating decays of Bino neutralino LSPs at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 5 2019, no. 12., Registrované v: WOS
5. [1.1] DUMITRU, S. - OVRUT, B.A. - PURVES, A. The R-parity violating decays of charginos and neutralinos in the B-L MSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 19 2019, no. 2., Registrované v: WOS
6. [1.1] FLORES-SANCHEZ, O. - HERNANDEZ-SANCHEZ, J. - HONORATO, C.G. - MORETTI, S. - ROSADO-NAVARRO, S. Light charged Higgs boson production at the Large Hadron electron Collider. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 13 2019, vol. 99, no. 9., Registrované v: WOS
7. [1.1] GHOSH, A. - MONDAL, T. - MUKHOPADHYAYA, B. Right sneutrino with $\Delta L=2$ masses as nonthermal dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 15 2019, vol. 99, no. 3., Registrované v: WOS
8. [1.1] HORVATH, D. Higgs and BSM Studies at the LHC. In UNIVERSE. ISSN 2218-1997, JUL 2019, vol. 5, no. 7., Registrované v: WOS

9. [1.1] REYES, E.A. - FAZIO, A.R. Comparison of the EFT hybrid and three-loop fixed-order calculations of the lightest MSSM Higgs boson mass. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 9 2019, vol. 100, no. 11., Registrované v: WOS
10. [1.1] SANCHEZ-VEGA, B.L. - GAMBINI, G. - ALVAREZ-SALAZAR, C.E. Vacuum stability conditions of the economical 3-3-1 model from copositivity. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, APR 3 2019, vol. 79, no. 4., Registrované v: WOS
11. [1.1] TRAN, H.M. - NGUYEN, H.T. GUT-inspired MSSM in light of muon $g-2$ and LHC results at root $s=13$ TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 26 2019, vol. 99, no. 3., Registrované v: WOS

ADCA456 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the high-mass Drell-Yan differential cross-section in pp collisions at root $s=7$ TeV with the ATLAS detector. In *Physics Letters B*, 2013, vol. 725, no. 4-5, p. 223-242. (2012: 4.569 - IF, Q1 - JCR, 3.353 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2013.07.049>

Ohlasy:

1. [1.1] ABDOLMALEKI, H. - KHORRAMIAN, A. - ALEEDANESHVAR, A. Impact of intrinsic charm on PDFs with EMU and LHC data. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 282, pp. 27-31., Registrované v: WOS
2. [1.1] ACCARDI, A. - ALEKHIN, S. - BLUMLEIN, J. - GARZELLI, M. V. - LIPKA, K. - MELNITCHOUK, W. - MOCH, S. - OWENS, J. F. - PLACAKYTE, R. - REYA, E. - SATO, N. - VOGT, A. - ZENAIEV, O. A critical appraisal and evaluation of modern PDFs. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 8, art. no. 471., Registrované v: WOS
3. [1.1] ALVES, Daniele S. M. - GALLOWAY, Jamison - RUDERMAN, Joshua T. - WALSH, Jonathan R. Running electroweak couplings as a probe of new physics. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 2, pp. 1-42., Registrované v: WOS
4. [1.1] AMBROGI, Federico - KRAML, Sabine - KULKARNI, Suchita - LAA, Ursula - LESSA, Andre - WALTENBERGER, Wolfgang. On the coverage of the pMSSM by simplified model results. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 215., Registrované v: WOS
5. [1.1] BALL, Richard D. - BERTONE, Valerio - CARRAZZA, Stefano - DEANS, Christopher S. - DEL DEBBIO, Luigi - FORTE, Stefano - GUFFANTI, Alberto - HARTLAND, Nathan P. - LATORRE, Jose I. - ROJO, Juan - UBIALI, Maria. Parton distributions for the LHC run II. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 040., Registrované v: WOS
6. [1.1] BALL, Richard D. - BERTONE, Valerio - BONVINI, Marco - CARRAZZA, Stefano - FORTE, Stefano - GUFFANTI, Alberto - HARTLAND, Nathan P. - ROJO, Juan - ROTTOLI, Luca. A determination of the charm content of the proton. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 11, art. no. 647., Registrované v: WOS

7. [1.1] BALL, Richard D. - BERTONE, Valerio - CARRAZZA, Stefano - DEL DEBBIO, Luigi - FORTE, Stefano - GROTH-MERRILD, Patrick - GUFFANTI, Alberto - HARTLAND, Nathan P. - KASSABOV, Zahari - LATORRE, Jose I. - NOCERA, Emanuele R. - ROJO, Juan - ROTTOLI, Luca - SLADE, Emma - UBIALI, Maria. Parton distributions from high-precision collider data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 10, art. no. 663., Registrované v: WOS
8. [1.1] BALL, Richard D. - BERTONE, Valerio - BONVINI, Marco - MARZANI, Simone - ROJO, Juan - ROTTOLI, Luca. Parton distributions with small-x resummation: evidence for BFKL dynamics in HERA data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 321., Registrované v: WOS
9. [1.1] BASSO, Eduardo - BOURRELY, Claude - PASECHNIK, Roman - SOFFER, Jacques. The Drell-Yan process as a testing ground for parton distributions up to LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 948, pp. 63-77., Registrované v: WOS
10. [1.1] BASSO, Eduardo - GONCALVES, Victor P. - NEMCHIK, Jan - PASECHNIK, Roman - SUMBERA, Michal. Drell-Yan phenomenology in the color dipole picture revisited. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 034023., Registrované v: WOS
11. [1.1] BEENAKKER, Wim - BORSCHENSKY, Christoph - KRAEMER, Michael - KULESZA, Anna - LAENEN, Eric - MARZANI, Simone - ROJO, Juan. NLO plus NLL squark and gluino production cross sections with threshold-improved parton distributions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 2, art. no. 53., Registrované v: WOS
12. [1.1] BERNAL, Nicolas - HEIKINHEIMO, Matti - TENKANEN, Tommi - TUOMINEN, Kimmo - VASKONEN, Ville. The dawn of FIMP Dark Matter: A review of models and constraints. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 27, art. no. 1730023., Registrované v: WOS
13. [1.1] BERTONE, Valerio - CARRAZZA, Stefano - HARTLAND, Nathan P. APFELgrid: A high performance tool for parton density determinations. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2017, vol. 212, pp. 205-209., Registrované v: WOS
14. [1.1] BERTONE, Valerio - CARRAZZA, Stefano - HARTLAND, Nathan P. - ROJO, Juan. Illuminating the photon content of the proton within a global PDF analysis. In SCIPOST PHYSICS. ISSN 2542-4653, 2018, vol. 5, no. 1, art. no. 008., Registrované v: WOS
15. [1.1] BONVINI, Marco - MARZANI, Simone - ROJO, Juan - ROTTOLI, Luca - UBIALI, Maria - BALL, Richard D. - BERTONE, Valerio - CARRAZZA, Stefano - HARTLAND, Nathan P. Parton distributions with threshold resummation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art. no. 191., Registrované v: WOS
16. [1.1] BOUGHEZAL, Radja - GUFFANTI, Alberto - PETRIELLO, Frank - UBIALI, Maria. The impact of the LHC Z-boson transverse momentum data on PDF determinations. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 7, art. no. 130., Registrované v: WOS
17. [1.1] CACCIARI, Matteo - DE MONCHENAULT, Gautier Hamel. Standard Model theory calculations and experimental tests. In COMPTES

- RENDUS PHYSIQUE. ISSN 1631-0705, 2015, vol. 16, no. 4, pp. 368-378.,
Registrované v: WOS
18. [1.1] CAMPANA, P. Highlights from LHC experiments and future perspectives. In XITH CONFERENCE ON QUARK CONFINEMENT AND HADRON SPECTRUM. ISSN 0094-243X, 2016, vol. 1701, art. no. 020006.,
Registrované v: WOS
19. [1.1] CARRAZZA, Stefano - FORTE, Stefano - KASSABOV, Zahari - IGNACIO LATORRE, Jose - ROJO, Juan. An unbiased Hessian representation for Monte Carlo PDFs. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 8, art. no. 369., Registrované v: WOS
20. [1.1] CARRAZZA, S. - NOCERA, E.R. - SCHWAN, C. - ZARO, M. PineAPPL: combining EW and QCD corrections for fast evaluation of LHC processes. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 17 2020, no. 12., Registrované v: WOS
21. [1.1] CZAKON, Michal - HARTLAND, Nathan P. - MITOV, Alexander - NOCERA, Emanuele R. - ROJO, Juan. Pinning down the large-x gluon with NNLO top-quark pair differential distributions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, art. no. 044.,
Registrované v: WOS
22. [1.1] DE MONCHENAULT, Gautier Hamel. Electroweak Measurements at the LHC. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 67. ISSN 0163-8998, 2017, vol. 67, pp. 19-44.,
Registrované v: WOS
23. [1.1] DYDYSHKA, Y. V. - YERMOLCHYK, V. L. - SUAREZ, J. G. - SHUMEIKO, N. M. Investigations of the Drell-Yan Process at the LHC: Results and Prospects. In PHYSICS OF PARTICLES AND NUCLEI LETTERS. ISSN 1547-4771, 2016, vol. 13, no. 3, pp. 279-284., Registrované v: WOS
24. [1.1] FARAGGI, Alon E. - GUZZI, Marco. Extra s and \bar{s} in heterotic-string derived models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 11, art. no. 537., Registrované v: WOS
25. [1.1] GAO, Jun - HARLAND-LANG, Lucian - ROJO, Juan. The structure of the proton in the LHC precision era. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2018, vol. 742, pp. 1-121., Registrované v: WOS
26. [1.1] GAVRILENKO, M. G. - KONOPLYANIKOV, V. F. - SAVINA, M. V. - SHULGA, S. G. - SHMATOV, S. V. Cross Section for the Drell-Yan Process in Proton-Proton Collisions at the Large Hadron Collider (LHC). In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2016, vol. 79, no. 1, pp. 108-112., Registrované v: WOS
27. [1.1] HARLAND-LANG, L. A. - MARTIN, A. D. - MOTYLINSKI, P. - THORNE, R. S. Parton distributions in the LHC era: MMHT 2014 PDFs. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 204., Registrované v: WOS
28. [1.1] HARLAND-LANG, L. A. - MARTIN, A. D. - MOTYLINSKI, P. - THORNE, R. S. Updates of PDFs for the 2nd LHC run. In DIFFRACTION 2014: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2015, vol. 1654, art. no. 030001.,
Registrované v: WOS
29. [1.1] KHALEK, R.A. - FORTE, S. - GEHRMANN, T. - GEHRMANN-DE RIDDER, A. - GIANI, T. - GLOVER, N. - HUSS, A. -

- NOCERA, E.R. - PIRES, J. - ROJO, J. - STAGNITTO, G. Phenomenology of NNLO jet production at the LHC and its impact on parton distributions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 31 2020, vol. 80, no. 8., Registrované v: WOS
30. [1.1] KRELINA, M. - BASSO, E. - GONCALVES, V. P. - NEMCHIK, J. - PASECHNIK, R. Nuclear effects in Drell-Yan production at the LHC. In XLV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2015). ISSN 2100-014X, 2016, vol. 120, art. no. 03007., Registrované v: WOS
31. [1.1] KUSAKABE, Motohiko - MATHEWS, Grant J. - KAJINO, Toshitaka - CHEOUN, Myung-Ki. Review on effects of long-lived negatively charged massive particles on Big Bang Nucleosynthesis. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2017, vol. 26, no. 8, art. no. 1741004., Registrované v: WOS
32. [1.1] LUSIANI, Alberto. Dark sector and Light New Physics searches in BABAR. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 287, pp. 189-194., Registrované v: WOS
33. [1.1] LUSZCZAK, Marta - SCHAFER, Wolfgang - SZCZUREK, Antoni. Two-photon dilepton production in proton-proton collisions: Two alternative approaches. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 074018., Registrované v: WOS
34. [1.1] MOTTAGHIZADEH, Marzieh - SHAHRI, Fatemeh Taghavi - ESLAMI, Parvin. Parton distribution functions with QED corrections in the valon model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074001., Registrované v: WOS
35. [1.1] MOTTAGHIZADEH, Marzieh - ESLAMI, Parvin - TAGHAVI-SHAHRI, Fatemeh. Decoupling the NLO-coupled QED circle times QCD, DGLAP evolution equations, using Laplace transform method. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 14, art. no. 1750065., Registrované v: WOS
36. [1.1] NOCERA, E.R. - UBIALI, M. - VOISEY, C. Single top production in PDF fits. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 14 2020, no. 5., Registrované v: WOS
37. [1.1] ROLPH, Andrew - UBIALI, Maria. PDFs and LHC data: current and future constraints. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. UNSP 07001., Registrované v: WOS
38. [1.1] SAPRONOV, Andrey. HERAFitter an open source QCD fit framework. In 16TH INTERNATIONAL WORKSHOP ON ADVANCED COMPUTING AND ANALYSIS TECHNIQUES IN PHYSICS RESEARCH (ACAT2014). ISSN 1742-6588, 2015, vol. 608, art. no. 012051., Registrované v: WOS
39. [1.1] SHOEIBI, Samira - KHANPOUR, Hamzeh - TAGHAVI-SHAHRI, F. - JAVIDAN, Kurosh. Determination of neutron fracture functions from a global QCD analysis of the leading neutron production at HERA. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 074011., Registrované v: WOS
40. [1.1] VAFAEE, A. - KHORRAMIAN, A. Next-to-leading order QCD analysis of parton distribution functions with LHC data. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 282, pp.

32-36., Registrované v: WOS

41. [1.1] ZARRIN, S. - BOROUN, G. R. Solution of QCD circle times QED coupled DGLAP equations at NLO. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 922, pp. 126-147., Registrované v: WOS

42. [1.1] ZWANE, Nosiphiwo. Long-lived particle searches in R-parity violating MSSM. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 10, art. no. 105003., Registrované v: WOS

ADCA457 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the charge asymmetry in dileptonic decays of top quark pairs in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. In *Journal of High Energy Physics*, 2015, vol. 2015, no. 5, art. no. 061. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479.

Ohlasy:

1. [1.1] BAO, S.S. Study of the FCNH Coupling with Boosted Higgs at LHC. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, SEP 2019, vol. 71, no. 9, p. 1093-1096., Registrované v: WOS

2. [1.1] COLLETTI, Katrina - HONG, Ziqing - TOBACK, David - WILSON, Jonathan S. Extrapolation technique pitfalls in asymmetry measurements at colliders. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2016, vol. 830, pp. 176-181., Registrované v: WOS

3. [1.1] IBRAHIM, Tarek - ITANI, Ahmad - NATH, Pran - ZORIK, Anas. Flavor violating top decays and flavor violating quark decays of the Higgs boson. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 22, art. no. 1750135., Registrované v: WOS

4. [1.1] ILYUSHIN, M. - MANDRIK, P. - SLABOSPITSKII, S. Constraints on the Higgs boson anomalous FCNC interactions with light quarks. In NUCLEAR PHYSICS B. ISSN 0550-3213, MAR 2020, vol. 952., Registrované v: WOS

5. [1.1] SOLEIMAN, M.H.M. Event by Event Studies of Au-Au Collisions at $\sqrt{s_{NN}} = 200$ GeV Using Two Event Generators. In ARAB JOURNAL OF NUCLEAR SCIENCES AND APPLICATIONS. ISSN 1110-0451, WIN 2020, vol. 53, no. 1, p. 46-57., Registrované v: WOS

6. [1.1] WAGNER-KUHR, Jeannine. EXPERIMENTAL STUDIES OF TOP QUARK PRODUCTION. In ACTA PHYSICA SLOVACA. ISSN 0323-0465, 2016, vol. 66, no. 1, pp. 1-68., Registrované v: WOS

ADCA458 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABELOOS, B. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the charge asymmetry in highly boosted top-quark pair production in $\sqrt{s}=8$ TeV pp collision data collected by the ATLAS experiment. In *Physics Letters B*, 2016, vol. 756, p. 52-71. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2016.02.055>

Ohlasy:

1. [1.1] BERGE, S. - WESTHOFF, S. Observing the top energy asymmetry at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 014035., Registrované v: WOS
2. [1.1] COLLETTI, Katrina - HONG, Ziqing - TOBACK, David - WILSON, Jonathan S. Extrapolation technique pitfalls in asymmetry measurements at colliders. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2016, vol. 830, pp. 176-181., Registrované v: WOS
3. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS

ADCA459 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Jaroslav - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the charge asymmetry in top quark pair production in pp collisions at root s=7 TeV using the ATLAS detector. In *European Physical Journal C*, 2012, vol. 72, no. 6, art. no. 2039. (2011: 3.631 - IF, Q2 - JCR, 2.962 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-012-2039-5>

Ohlasy:

1. [1.1] BLUM, Kfir - EFRATI, Aielet - FRUGIUELE, Claudia - NIR, Yosef. Exotic colored scalars at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 2, art. no. 104., Registrované v: WOS
2. [1.1] COLLETTI, Katrina - HONG, Ziqing - TOBACK, David - WILSON, Jonathan S. Extrapolation technique pitfalls in asymmetry measurements at colliders. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2016, vol. 830, pp. 176-181., Registrované v: WOS
3. [1.1] DIAZ, Bastian - SCHMALTZ, Martin - ZHONG, Yi-Ming. The leptoquark hunter's guide: pair production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 10, art. no. 097., Registrované v: WOS
4. [1.1] GIUDICE, Gian Francesco. Collider Physics within the Standard Model A Primer Foreword. In COLLIDER PHYSICS WITHIN THE STANDARD MODEL: A PRIMER. ISSN 0075-8450, 2017, vol. 937, pp. V-+., Registrované v: WOS
5. [1.1] HELO, J. C. - HIRSCH, M. - OTA, T. Long-range contributions to double beta decay revisited. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 6, art. no. 006., Registrované v: WOS
6. [1.1] RAJ, Nirmal. Anticipating nonresonant new physics in dilepton angular spectra at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015011., Registrované v: WOS
7. [1.1] ROMEO, Francesco. Search for leptoquark-like signatures with the ATLAS and CMS detectors. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 638-643., Registrované v: WOS
8. [1.1] SCHMALTZ, M. - ZHONG, Y.M. The leptoquark Hunter's guide: large coupling. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN

1029-8479, JAN 15 2019, no. 1., Registrované v: WOS

9. [1.1] VAN DEURZEN, Hans - FREDERIX, Rikkert - HIRSCHI, Valentin - LUISONI, Gionata - MASTROLIA, Pierpaolo - OSSOLA, Giovanni. Spin polarisation of $t(\bar{t})$ over-bar gamma gamma production at NLO plus PS with GOSAM interfaced to MADGRAPH5_AMC@NLO. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, art. no. 221., Registrované v: WOS

10. [1.1] WAGNER-KUHR, Jeannine. EXPERIMENTAL STUDIES OF TOP QUARK PRODUCTION. In ACTA PHYSICA SLOVACA. ISSN 0323-0465, 2016, vol. 66, no. 1, pp. 1-68., Registrované v: WOS

ADCA460 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at $\sqrt{s}=8$ TeV with the ATLAS detector. In *European Physical Journal C*, 2016, vol. 76, no. 2, art. no. 87. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-3910-6>

Ohlasy:

1. [1.1] BERGE, S. - WESTHOFF, S. Observing the top energy asymmetry at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 014035., Registrované v: WOS

2. [1.1] BERGNER, J. - SCHULZE, M. The top quark charge asymmetry in $t\bar{t}$ gamma production at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 4 2019, vol. 79, no. 3., Registrované v: WOS

3. [1.1] BEVILACQUA, G. - BI, H.Y. - HARTANTO, H.B. - KRAUS, M. - WOREK, M. The simplest of them all: $t(\bar{t})$ over-bar $W^{+/-}$ at NLO accuracy in QCD. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 10 2020, no. 8., Registrované v: WOS

4. [1.1] BRIVIO, I. - BRUGGISSER, S. - MALTONI, F. - MOUTAFIS, R. - PLEHN, T. - VRYONIDOU, E. - WESTHOFF, S. - ZHANG, C. O new physics, where art thou? A global search in the top sector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 24 2020, no. 2., Registrované v: WOS

5. [1.1] CARPENTER, L.M. - MURPHY, T. - SMYLIE, M.J. Exploring color-octet scalar parameter space in minimal R-symmetric models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 9 2020, no. 11., Registrované v: WOS

6. [1.1] CZAKON, Michal - HEYMES, David - MITOV, Alexander - PAGANI, Davide - TSINIKOS, Ioannis - ZARO, Marco. Top-quark charge asymmetry at the LHC and Tevatron through NNLO QCD and NLO EW. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 014003., Registrované v: WOS

7. [1.1] DATTA, Amitava. Where is SUSY? In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2017, vol. 89, no. 4, art. no. 54., Registrované v: WOS

8. [1.1] DERCKS, Daniel - MOORTGAT-PICK, Gudrid - REUTER, Juergen - SHIM, So Young. The fate of the littlest Higgs model with T-parity

- under 13 TeV LHC data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 049., Registrované v: WOS
9. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS
 10. [1.1] KARACA, Koray. A case study in experimental exploration: exploratory data selection at the Large Hadron Collider. In SYNTHESE. ISSN 0039-7857, 2017, vol. 194, no. 2, pp. 333-354., Registrované v: WOS
 11. [1.1] KARACA, Koray. Lessons from the Large Hadron Collider for model-based experimentation: the concept of a model of data acquisition and the scope of the hierarchy of models. In SYNTHESE. ISSN 0039-7857, 2018, vol. 195, no. 12, pp. 5431-5452., Registrované v: WOS
 12. [1.1] KOTLARSKI, Wojciech. Sgluons in the same-sign lepton searches. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 2, pp., Registrované v: WOS
 13. [1.1] PASCOLI, S. - RUIZ, R. - WEILAND, C. Heavy neutrinos with dynamic jet vetoes: multilepton searches at $s=14, 27$, and 100 TeV. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 13 2019, no. 6., Registrované v: WOS
 14. [1.1] XIE, K.P. - CACCIAPAGLIA, G. - FLACKE, T. Exotic decays of top partners with charge $5/3$: bounds and opportunities. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 9 2019, no. 10., Registrované v: WOS
 15. [1.1] ZHANG, Cen. Constraining qqtt operators from four-top production: a case for enhanced EFT sensitivity. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 2, art. no. 023104., Registrované v: WOS

ADCA461 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABELOOS, B. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the charged-particle multiplicity inside jets from $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. In *European Physical Journal C*, 2016, vol. 76, no. 6, art. no. 322. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4126-5>

Ohlasy:

1. [1.1] BEWICK, G. - RAVASIO, S.F. - RICHARDSON, P. - SEYMOUR, M.H. Logarithmic accuracy of angular-ordered parton showers. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 3 2020, no. 4., Registrované v: WOS
2. [1.1] KOMISKE, Patrick T. - METHODIEV, Eric M. - THALER, Jesse. An operational definition of quark and gluon jets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 059., Registrované v: WOS
3. [1.1] METHODIEV, Eric M. - THALER, Jesse. Jet Topics: Disentangling Quarks and Gluons at Colliders. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 24, art. no. 241602., Registrované v: WOS
4. [1.1] REICHELT, Daniel - RICHARDSON, Peter - SIODMOK, Andrzej. Improving the simulation of quark and gluon jets with Herwig 7. In

EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 876., Registrované v: WOS

5. [1.1] RYBCZYNSKI, M. - WLODARCZYK, Z. Fluctuations and clustering of multiplicity in collisions of relativistic ions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, JAN 28 2020, vol. 56, no. 1., Registrované v: WOS

6. [1.1] RYBCZYNSKI, M. - WLODARCZYK, Z. Self-similarity in Fluctuations and Clustering of Multiplicities. In XLIX INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2019). ISSN 2100-014X, 2020, vol. 235., Registrované v: WOS

7. [1.1] SAKAKI, Y. Quark jet rates and quark-gluon discrimination in multijet final states. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 18 2019, vol. 99, no. 11., Registrované v: WOS

8. [1.1] SICKLES, A.M. Jets in Nuclear Collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 142-148., Registrované v: WOS

9. [1.1] WILK, Grzegorz - WLODARCZYK, Zbigniew. Oscillations in Multiparticle Production Processes. In ENTROPY. ISSN 1099-4300, 2017, vol. 19, no. 12, art. no. 670., Registrované v: WOS

ADCA462 AARON, F.D. - BRUNCKO, Dušan - FERENCEI, Jozef - MURÍN, Pavol - TOMASZ, Filip. Measurement of the charm and beauty structure functions using the H1 vertex detector at HERA. In *European Physical Journal C*, 2010, vol. 65, no. 1-2, p. 89-109. (2009: 2.746 - IF, Q2 - JCR, 1.859 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-009-1190-0>

Ohlasy:

1. [1.1] BALL, Richard D. - BERTONE, Valerio - CARRAZZA, Stefano - DEANS, Christopher S. - DEL DEBBIO, Luigi - FORTE, Stefano - GUFFANTI, Alberto - HARTLAND, Nathan P. - LATORRE, Jose I. - ROJO, Juan - UBIALI, Maria. Parton distributions for the LHC run II. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 040., Registrované v: WOS

2. [1.1] BARUAH, Nomita - DAS, Mrinal Kumar - SARMA, Jayanta Kumar. Analysis of Small x Behaviour of Longitudinal and Heavy Favour Structure Functions of Proton. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 10, pp. 3596-3611., Registrované v: WOS

3. [1.1] BEHNKE, O. - GEISER, A. - LISOVYI, M. Charm, beauty and top at HERA. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2015, vol. 84, pp. 1-72., Registrované v: WOS

4. [1.1] BOROUN, G. R. Geometrical scaling behavior of the top structure functions ratio at the LHeC. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 744, pp. 142-145., Registrované v: WOS

5. [1.1] BOROUN, G. R. Top structure function at the LHeC. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 741, pp. 197-201., Registrované v: WOS

6. [1.1] BOROUN, G. R. - REZAEI, B. The behavior of the heavy quarks structure functions at small-x. In INTERNATIONAL JOURNAL OF

ADCA463 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *European Physical Journal C*, 2011, vol. 71, no. 12, art. no. 1846. (2010: 3.248 - IF, Q2 - JCR, 2.215 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-011-1846-4>

Ohlasy:

1. [1.1] BIERENBAUM, Isabella - KRAMER, Gustav. Production of massless bottom jets in $p(\bar{p})$ and pp collisions at next-to-leading order of QCD. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 17, art. no. 1650098., Registrované v: WOS
2. [1.1] GONCALVES, Victor P. - KOPELIOVICH, Boris - NEMCHIK, Jan - PASECHNIK, Roman - POTASHNIKOVA, Irina. Heavy flavor production in high-energy pp collisions: Color dipole description. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 014010., Registrované v: WOS
3. [1.1] ILTEN, Philip - RODD, Nicholas L. - THALER, Jesse - WILLIAMS, Mike. Disentangling heavy flavor at colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 054019., Registrované v: WOS
4. [1.1] KANG, Z.B. - REITEN, J. - VITEV, I. - YOON, B. Light and heavy flavor dijet production and dijet mass modification in heavy ion collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 15 2019, vol. 99, no. 3., Registrované v: WOS
5. [1.1] KARPISHKOV, A. V. - NEFEDOV, M. A. - SALEEV, V. A. $B(\bar{B})$ angular correlations at the LHC in the parton Reggeization approach merged with higher-order matrix elements. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 096019., Registrované v: WOS
6. [1.1] KOTIKOV, A.V. - LIPATOV, A.V. - SHAIKHATDENOV, B.G. - ZHANG, P. Transverse momentum dependent parton densities in a proton from the generalized DAS approach. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 4 2020, no. 2., Registrované v: WOS
7. [1.1] PRINO, Francesco - RAPP, Ralf. Open heavy flavor in QCD matter and in nuclear collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 9, art. no. 093002., Registrované v: WOS
8. [1.1] SHEIKH, A.I. Measurements of heavy-flavor jets with ALICE at the LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, JAN-MAR 2020, vol. 309, p. 174-180., Registrované v: WOS

ADCA464 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of the inclusive and fiducial $t(\bar{t})$ production cross-sections in the lepton plus jets channel in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *European Physical Journal C*, 2018, vol. 78, no. 6, art. no. 487. (2017: 5.172 - IF, Q1 - JCR, 2.022 - SJR, Q1 - SJR, Current Contents - CCC). (2018 -

Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na:
<https://doi.org/10.1140/epjc/s10052-018-5904-z>

Ohlasy:

1. [1.1] BRIVIO, I. - BRUGGISSER, S. - MALTONI, F. - MOUTAFIS, R. - PLEHN, T. - VRYONIDOU, E. - WESTHOFF, S. - ZHANG, C. O new physics, where art thou? A global search in the top sector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 24 2020, no. 2., Registrované v: WOS
2. [1.1] D'ENTERRIA, D. - SHAO, H.S. Rare two-body decays of the top quark into a bottom meson plus an up or charm quark. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 20 2020, no. 7., Registrované v: WOS
3. [1.1] KIDONAKIS, Nikolaos. Soft-gluon corrections in top-quark production. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 25, art. no. 1830021., Registrované v: WOS

ADCA465 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Measurement of the inclusive cross-sections of single top-quark and top-antiquark t-channel production in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2017, no. 4, art. no. 086. (2016: 6.063 - IF, Q1 - JCR, 1.163 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na:
[https://doi.org/10.1007/JHEP04\(2017\)086](https://doi.org/10.1007/JHEP04(2017)086)

Ohlasy:

1. [1.1] ABLAT, A. - DULAT, S. - RASHIDIN, R. - RUZI, A. - YALKUN, N. The Impact of Single Top Data on CT14nnlo PDFs. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, OCT 2020, vol. 59, no. 10, p. 3023-3031., Registrované v: WOS
2. [1.1] ALEKHIN, S. - BLUEMLEIN, J. - MOCH, S. - PLACAKYTE, R. Parton distribution functions, $\alpha(s)$, and heavy-quark masses for LHC Run II. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 014011., Registrované v: WOS
3. [1.1] ALVAREZ, Ezequiel - DA ROLD, Leandro - ESTEVEZ, Mariel - KAMENIK, Jernej F. Measuring vertical bar V_{td} vertical bar at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 033002., Registrované v: WOS
4. [1.1] BRIVIO, I. - TROTT, M. The standard model as an effective field theory. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, FEB 27 2019, vol. 793, p. 1-98., Registrované v: WOS
5. [1.1] BROWN, S. - ENGLERT, C. - GALLER, P. - STYLIANOU, P. Electroweak top couplings, partial compositeness, and top partner searches. In PHYSICAL REVIEW D. ISSN 1550-7998, OCT 19 2020, vol. 102, no. 7., Registrované v: WOS
6. [1.1] CAO, Qing-Hong - SUN, Peng - YAN, Bin - YUAN, C-P - YUAN, Feng. Transverse momentum resummation for t-channel single top quark production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 054032., Registrované v: WOS
7. [1.1] CZARNECKI, A. - GROOTE, S. - KOERNER, J. G. -

PICLUM, J. H. NNLO QCD corrections to the polarized top quark decay $t(\text{up arrow}) \rightarrow X\text{-}b + W^+$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 094008., Registrované v: WOS

8. [1.1] FISCHER, M. - GROOTE, S. - KOERNER, J. G. T-odd correlations in polarized top quark decays in the sequential decay $t(\text{up arrow}) \rightarrow X\text{-}b + W^+ (\rightarrow l(+) + \nu(l))$ and in the quasi-three-body decay $t(\text{up arrow}) \rightarrow X\text{-}b + l(+) + \nu(l)$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 093001., Registrované v: WOS

9. [1.1] GIARDINO, Pier Paolo - ZHANG, Cen. Probing the top-quark width using the charge identification of b jets. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 011901., Registrované v: WOS

10. [1.1] JUEID, Adil. Probing anomalous Wtb couplings at the LHC in single t-channel top quark production. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 053006., Registrované v: WOS

11. [1.1] VAN BEEK, S. - NOCERA, E.R. - ROJO, J. - SLADE, E. Constraining the SMEFT with Bayesian reweighting. In SCIPOST PHYSICS. ISSN 2542-4653, NOV 2019, vol. 7, no. 5., Registrované v: WOS

ADCA466 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - ŠÁNDOR, Ladislav - VALA, Martin. Measurement of the inclusive differential jet cross section in pp collisions at $\sqrt{s}=2.76$ TeV. In *Physics Letters B*, 2013, vol. 722, no. 4-5, p. 262-272. (2012: 4.569 - IF, Q1 - JCR, 3.353 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2013.04.026>

Ohlasy:

1. [1.1] BOURRELY, Claude - SOFFER, Jacques. New developments in the statistical approach of parton distributions: Tests and predictions up to LHC energies. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 941, pp. 307-334., Registrované v: WOS

2. [1.1] BRITZGER, D. - RABBERTZ, K. - SAVOIU, D. - SIEBER, G. - WOBISCH, M. Determination of the strong coupling constant using inclusive jet cross section data from multiple experiments. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 28 2019, vol. 79, no. 1., Registrované v: WOS

3. [1.1] CURRIE, James - GEHRMANN-DE RIDDER, Aude - GEHRMANN, Thomas - GLOVER, Nigel - HUSS, Alexander - PIRES, Joao. Infrared sensitivity of single jet inclusive production at hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 155., Registrované v: WOS

4. [1.1] DASGUPTA, Mrinal - DREYER, Frederic - SALAM, Gavin P. - SOYEZ, Gregory. Small-radius jets to all orders in QCD. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 039., Registrované v: WOS

5. [1.1] FRANCAVILLA, Paolo. Measurements of inclusive jet and dijet cross sections at the Large Hadron Collider. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 31, art. no. 1546003., Registrované v: WOS

6. [1.1] KANG, Zhong-Bo - RINGER, Felix - VITEV, Ivan. Jet and heavy flavor production in heavy-ion collisions. In NUCLEAR AND PARTICLE

PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 121-124.,
Registrované v: WOS

7. [1.1] KANG, Zhong-Bo - RINGER, Felix - VITEV, Ivan. Inclusive production of small radius jets in heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 769, pp. 242-248., Registrované v: WOS

8. [1.1] LIU, Xiaohui - MOCH, Sven-Olaf - RINGER, Felix. Threshold and Jet Radius Joint Resummation for Single-Inclusive Jet Production. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 21, art. no. 212001., Registrované v: WOS

9. [1.1] LIU, Xiaohui - MOCH, Sven-Olaf - RINGER, Felix. Phenomenology of single-inclusive jet production with jet radius and threshold resummation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 056026., Registrované v: WOS

10. [1.1] RABBERTZ, Klaus. Absolute Cross Sections. In JET PHYSICS AT THE LHC: THE STRONG FORCE BEYOND THE TEV SCALE. ISSN 0081-3869, 2017, vol. 268, pp. 111-144., Registrované v: WOS

11. [1.1] RABBERTZ, Klaus. Cross Section Ratios. In JET PHYSICS AT THE LHC: THE STRONG FORCE BEYOND THE TEV SCALE. ISSN 0081-3869, 2017, vol. 268, pp. 145-161., Registrované v: WOS

12. [1.1] SMITH, Wesley H. Triggering at the LHC. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 66. ISSN 0163-8998, 2016, vol. 66, pp. 123-141., Registrované v: WOS

13. [1.1] TOKAREV, M. V. - ZBOROVSKY, I. SELF-SIMILARITY OF HADRON PRODUCTION: z-SCALING. In THEORETICAL AND MATHEMATICAL PHYSICS. ISSN 0040-5779, 2015, vol. 184, no. 3, pp. 1350-1360., Registrované v: WOS

14. [1.1] TOKAREV, M.V. - ZBOROVSKY, I. - KECHECHYAN, A.O. - DEDOVICH, T.G. Verification of z-Scaling in p plus p, p and Au plus Au Collisions at RHIC, Tevatron and LHC. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, MAR 2020, vol. 51, no. 2, p. 141-171., Registrované v: WOS

15. [1.1] TREFILOV, P.M. - ISKHAKOV, A.Y. - MESHCHERYAKOV, R.V. - JHARKO, E.P. - MAMCHENKO, M.V. Simulation Modeling of Strapdown Inertial Navigation Systems Functioning as a Means to Ensure Cybersecurity of Unmanned Aerial Vehicles Navigation Systems for Dynamic Objects in Various Correction Modes. In 2020 7TH INTERNATIONAL CONFERENCE ON CONTROL, DECISION AND INFORMATION TECHNOLOGIES (CODIT'20), VOL 1. ISSN 2576-3555, 2020, p. 1046-1051., Registrované v: WOS

16. [1.1] WEINSTEIN, S.B. - MALANGA, K.N. - AGWANDA, B. - MALDONADO, J.E. - DEARING, M.D. The secret social lives of African crested rats, *Lophiomys imhausi*. In JOURNAL OF MAMMALOGY. ISSN 0022-2372, DEC 2020, vol. 101, no. 6, p. 1680-1691., Registrované v: WOS

ADCA467 AARON, F.D. - BRUNCKO, Dušan - FERENCEI, Jozef - MURÍN, Pavol - TOMASZ, Filip. Measurement of the inclusive ep scattering cross section at low Q (2) and x at HERA. In *European Physical Journal C*, 2009, vol. 63, no. 4, p. 625-678. (2008: 2.805 - IF, Q2 - JCR, 1.974 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-009-1128-6>

Ohlasy:

1. [1.1] NEMATOLLAHI, H. - YAZDANPANAH, M. M. Parton densities and structure functions of nucleons and light nuclei based on the modified chiral quark-exchange model. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2015, vol. 92, no. 1, art. no. 015209., Registrované v: WOS

ADCA468 AARON, F.D. - BRUNCKO, Dušan - FERENCEI, Jozef. Measurement of the inclusive $e(+/-)$ p scattering cross section at high inelasticity y and of the structure function F_L . In *European Physical Journal C*, 2011, vol. 71, no. 3, art. no. 1579. (2010: 3.248 - IF, Q2 - JCR, 2.215 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-011-1579-4>

Ohlasy:

1. [1.1] BALL, Richard D. - BERTONE, Valerio - CARRAZZA, Stefano - DEANS, Christopher S. - DEL DEBBIO, Luigi - FORTE, Stefano - GUFFANTI, Alberto - HARTLAND, Nathan P. - LATORRE, Jose I. - ROJO, Juan - UBIALI, Maria. Parton distributions for the LHC run II. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2015, no. 4, art. no. 040., Registrované v: WOS
2. [1.1] BARUAH, Nomita - DAS, Mrinal Kumar - SARMA, Jayanta Kumar. Analysis of Small x Behaviour of Longitudinal and Heavy Favour Structure Functions of Proton. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2015, vol. 54, no. 10, pp. 3596-3611., Registrované v: WOS
3. [1.1] BONVINI, Marco - MARZANI, Simone - ROJO, Juan - ROTTOLI, Luca - UBIALI, Maria - BALL, Richard D. - BERTONE, Valerio - CARRAZZA, Stefano - HARTLAND, Nathan P. Parton distributions with threshold resummation. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2015, no. 9, art. no. 191., Registrované v: WOS
4. [1.1] BOURRELY, Claude - SOFFER, Jacques. New developments in the statistical approach of parton distributions: Tests and predictions up to LHC energies. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2015, vol. 941, pp. 307-334., Registrované v: WOS
5. [1.1] HARLAND-LANG, L. A. - MARTIN, A. D. - MOTYLINSKI, P. - THORNE, R. S. Parton distributions in the LHC era: MMHT 2014 PDFs. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 204., Registrované v: WOS
6. [1.1] HARLAND-LANG, L. A. - MARTIN, A. D. - MOTYLINSKI, P. - THORNE, R. S. Updates of PDFs for the 2nd LHC run. In *DIFFRACTION 2014: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS*. ISSN 0094-243X, 2015, vol. 1654, art. no. UNSP 030001., Registrované v: WOS
7. [1.1] ROLPH, Andrew - UBIALI, Maria. PDFs and LHC data: current and future constraints. In *XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014)*. ISSN 2100-014X, 2015, vol. 90, art. no. UNSP 07001., Registrované v: WOS

ADCA469 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s}=1.96$ TeV using the CDF detector. In *Physical Review D. Particles, fields, gravitation and*

cosmology, 2009, vol. 80, no. 11, art. no. R111106. (2008: 5.050 - IF, Q1 - JCR, 2.920 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na:
<https://doi.org/10.1103/PhysRevD.80.111106>

Ohlasy:

1. [1.1] MEBARKI, N. - BEKLI, M. R. - AISSAOUI, H. Some applications of the revisited approximate next-to-leading higher order corrections in QCD. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2015, vol. 30, no. 11, art. no. 1550047., Registrované v: WOS
2. [1.1] NEFEDOV, M. A. - SALEEV, V. A. Diphoton production at the Tevatron and the LHC in the NLO approximation of the parton Reggeization approach. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 094033., Registrované v: WOS

ADCA470 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the inclusive isolated prompt photon cross section in pp collisions at root s=7 TeV with the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2011, vol. 83, no. 5, art. no. 052005. (2010: 4.964 - IF, Q1 - JCR, 2.759 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na:
<https://doi.org/10.1140/epjc/s10052-012-2039-5>

Ohlasy:

1. [1.1] ATLAS Reconstruction and Performance. In *SEARCHING FOR DARK MATTER WITH THE ATLAS DETECTOR*. ISSN 2190-5053, 2017, pp. 55-69., Registrované v: WOS
2. [1.1] BENIC, S. - FUKUSHIMA, K. - GARCIA-MONTERO, O. - VENUGOPALAN, R. Constraining unintegrated gluon distributions from inclusive photon production in proton-proton collisions at the LHC. In *PHYSICS LETTERS B*. ISSN 0370-2693, APR 10 2019, vol. 791, p. 11-16., Registrované v: WOS
3. [1.1] BHATTACHERJEE, Biplob - CHOUDHURY, Arghya. Role of supersymmetric heavy Higgs boson production in the self-coupling measurement of 125 GeV Higgs boson at the LHC. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 91, no. 7, art. no. 073015., Registrované v: WOS
4. [1.1] BI, Xiao-Jun - DING, Ran - FAN, Yizhou - HUANG, Li - LI, Chuang - LI, Tianjun - RAZA, Shabbar - WANG, Xiao-Chuan - ZHU, Bin. Promising interpretation of diphoton resonance at 750 GeV. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015012., Registrované v: WOS
5. [1.1] BRENDLINGER, Kurt. Experimental Apparatus. In *PHYSICS WITH ELECTRONS IN THE ATLAS DETECTOR*. ISSN 2190-5053, 2018, pp. 15-31., Registrované v: WOS
6. [1.1] CAMPBELL, John M. - ROJO, Juan - SLADE, Emma - WILLIAMS, Ciaran. Direct photon production and PDF fits reloaded. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 470., Registrované v: WOS
7. [1.1] DAVID, G. Direct real photons in relativistic heavy ion collisions. In *REPORTS ON PROGRESS IN PHYSICS*. ISSN 0034-4885, APR 2020, vol. 83, no. 4., Registrované v: WOS

8. [1.1] DING, Ran - FAN, Yizhou - HUANG, Li - LI, Chuang - LI, Tianjun - RAZA, Shabbar - ZHU, Bin. Systematic study of diphoton resonance at 750 GeV from sgoldstino. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 26, art. no. 1650151., Registrované v: WOS
9. [1.1] DOMINGO, Florian - HEINEMEYER, Sven - KIM, Jong Soo - ROLBIECKI, Krzysztof. The NMSSM lives: with the 750 GeV diphoton excess. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 249., Registrované v: WOS
10. [1.1] DOS SANTOS, G.S. - DA SILVEIRA, G.G. - MACHADO, M.V.T. The color dipole picture for prompt photon production in pp and pPb collisions at the CERN-LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 2 2020, vol. 80, no. 9., Registrované v: WOS
11. [1.1] FENG, Jonathan L. - GALON, Iftah - KLING, Felix - TROJANOWSKI, Sebastian. Axionlike particles at FASER: The LHC as a photon beam dump. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 055021., Registrované v: WOS
12. [1.1] GERMAIN, M. Direct photon measurements in pp and Pb-Pb collisions with the ALICE experiment. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 696-699., Registrované v: WOS
13. [1.1] GOHARIPOUR, Muhammad - MEHRABAN, Hossein. Study of isolated prompt photon production in p-Pb collisions for the ALICE kinematics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 054002., Registrované v: WOS
14. [1.1] GOHARIPOUR, Muhammad - MEHRABAN, Hossein. Predictions for the Isolated Prompt Photon Production at the LHC at root s=13TeV. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, art. no. 3802381., Registrované v: WOS
15. [1.1] GONCALVES, V.P. - LIMA, Y. - PASECHNIK, R. - SUMBERA, M. Isolated photon production and pion-photon correlations in high-energy pp and pA collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 18 2020, vol. 101, no. 9., Registrované v: WOS
16. [1.1] HALL, Zachary - THALER, Jesse. Photon isolation and jet substructure. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 164., Registrované v: WOS
17. [1.1] LODATO, Davide Francesco. Direct photon yield in pp and in Pb-Pb collisions measured with the ALICE experiment. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 149-152., Registrované v: WOS
18. [1.1] SAPETA, Sebastian. QCD and jets at hadron colliders. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 89, pp. 1-55., Registrované v: WOS

ADCA471 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the inclusive isolated prompt photon cross-section in pp collisions at root s=7 TeV using 35 pb(-1) of ATLAS data. In *Physics Letters B*, 2011, vol. 706, no. 2-3, p. 150-167. (2010: 5.255 - IF, Q1 - JCR, 3.103 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2011.11.010>

Ohlasy:

1. [1.1] CAMPBELL, John M. - ROJO, Juan - SLADE, Emma - WILLIAMS, Ciaran. Direct photon production and PDF fits reloaded. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 470., Registrované v: WOS
2. [1.1] DAVID, G. Direct real photons in relativistic heavy ion collisions. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, APR 2020, vol. 83, no. 4., Registrované v: WOS
3. [1.1] DOS SANTOS, G.S. - DA SILVEIRA, G.G. - MACHADO, M.V.T. The color dipole picture for prompt photon production in pp and pPb collisions at the CERN-LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 2 2020, vol. 80, no. 9., Registrované v: WOS
4. [1.1] GOHARIPOUR, Muhammad - MEHRABAN, Hossein. Study of isolated prompt photon production in p-Pb collisions for the ALICE kinematics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 054002., Registrované v: WOS
5. [1.1] GOHARIPOUR, Muhammad - MEHRABAN, Hossein. Predictions for the Isolated Prompt Photon Production at the LHC at root $s=13\text{TeV}$. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, art. no. 3802381., Registrované v: WOS
6. [1.1] MESROPIAN, Christina - BANDURIN, Dmitry. Review of physics results from the Tevatron: QCD physics. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 6, art. no. 1541002., Registrované v: WOS

ADCA472 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABELOOS, B. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the inclusive isolated prompt photon cross section in pp collisions at root $s=8\text{ TeV}$ with the ATLAS detector. In *Journal of High Energy Physics*, 2016, vol. 2016, no. 8, art. no. 005. (2015: 6.023 - IF, Q1 - JCR, 1.343 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP08\(2016\)005](https://doi.org/10.1007/JHEP08(2016)005)

Ohlasy:

1. [1.1] BALSIGER, Marcel - BECHER, Thomas - SHAO, Ding Yu. Non-global logarithms in jet and isolation cone cross sections. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 104., Registrované v: WOS
2. [1.1] CALAHORRANO, L. - MONGE-NAJERA, J. - WANG, M.H. - HO, Y.S. Ecuador publications in the Science Citation Index Expanded: institutions, subjects, citation and collaboration patterns. In REVISTA DE BIOLOGIA TROPICAL. ISSN 0034-7744, MAR 2020, vol. 68, no. 1, p. 98-107., Registrované v: WOS
3. [1.1] CAMPBELL, John M. - ELLIS, R. Keith - WILLIAMS, Ciaran. Driving missing data at the LHC: NNLO predictions for the ratio of gamma plus j and Z plus j. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 014037., Registrované v: WOS
4. [1.1] CAMPBELL, John M. - ELLIS, R. Keith - WILLIAMS, Ciaran. Direct Photon Production at Next-to-Next-to-Leading Order. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 118, no. 22, art. no. 222001., Registrované v: WOS

5. [1.1] CAMPBELL, John M. - ROJO, Juan - SLADE, Emma - WILLIAMS, Ciaran. Direct photon production and PDF fits reloaded. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 470., Registrované v: WOS
6. [1.1] DAVID, G. Direct real photons in relativistic heavy ion collisions. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, APR 2020, vol. 83, no. 4., Registrované v: WOS
7. [1.1] DOS SANTOS, G.S. - DA SILVEIRA, G.G. - MACHADO, M.V.T. Prompt photon production in high-energy pA collisions at forward rapidity. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 2 2020, vol. 102, no. 5., Registrované v: WOS
8. [1.1] DOS SANTOS, G.S. - DA SILVEIRA, G.G. - MACHADO, M.V.T. The color dipole picture for prompt photon production in pp and pPb collisions at the CERN-LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 2 2020, vol. 80, no. 9., Registrované v: WOS
9. [1.1] GOHARIPOUR, Muhammad - MEHRABAN, Hossein. Study of isolated prompt photon production in p-Pb collisions for the ALICE kinematics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 054002., Registrované v: WOS
10. [1.1] GOHARIPOUR, M. - ROSTAMI, S. Probing nuclear modifications of parton distribution functions through the isolated prompt photon production at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 20 2019, vol. 99, no. 5., Registrované v: WOS
11. [1.1] TAYLOR, Frank E. Radial scaling in inclusive jet production at hadron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 054016., Registrované v: WOS

ADCA473 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the inclusive isolated prompt photons cross section in pp collisions at root s=7 TeV with the ATLAS detector using 4.6 fb(-1). In *Physical Review D. Particles, fields, gravitation and cosmology*, 2014, vol. 89, no. 5, art. no. 052004. (2013: 4.864 - IF, Q1 - JCR, 2.482 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Ohlasy:

1. [1.1] ABE, Tomohiro - KITANO, Ryuichiro - SATO, Ryosuke. Discrimination of dark matter models in future experiments. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 9, art. no. 095004., Registrované v: WOS
2. [1.1] AHRICHE, Amine - FAISEL, Gaber - HO, Shu-Yu - NASRI, Salah - TANDEAN, Jusak. Effects of two inert scalar doublets on Higgs boson interactions and the electroweak phase transition. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 035020., Registrované v: WOS
3. [1.1] ALVARADO, C. - DELGADO, A. - MARTIN, A. - OSTDIEK, B. Dirac triplet extension of the MSSM. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 035009., Registrované v: WOS
4. [1.1] ANCHORDOQUI, Luis A. - BARGER, Vernon - GOLDBERG, Haim - HUANG, Xing - MARFATIA, Danny - DA SILVA, Luiz H. M. - WEILER, Thomas J. Majorana dark matter through the Higgs portal under the vacuum stability lamppost. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015,

- vol. 92, no. 6, art. no. 063504., Registrované v: WOS
5. [1.1] BARTL, A. - EBERL, H. - GININA, E. - HIDAKA, K. - MAJEROTTO, W. $h(0) > c(c)$ as a test case for quark flavor violation in the MSSM. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 015007., Registrované v: WOS
6. [1.1] BISHARA, Fady - HAISCH, Ulrich - MONNI, Pier Francesco - RE, Emanuele. Constraining Light-Quark Yukawa Couplings from Higgs Distributions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 118, no. 12, art. no. 121801., Registrované v: WOS
7. [1.1] BLINOV, Nikita - KOZACZUK, Jonathan - MORRISSEY, David E. - TAMARIT, Carlos. Electroweak baryogenesis from exotic electroweak symmetry breaking. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 035012., Registrované v: WOS
8. [1.1] BOUDJEMA, Fawzi - GUADAGNOLI, Diego - GODBOLE, Rohini M. - MOHAN, Kirtimaan A. Laboratory-frame observables for probing the top-Higgs boson interaction. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 1, art. no. 015019., Registrované v: WOS
9. [1.1] COLEPPA, Baradhwaj - KUMAR, Mukesh - KUMAR, Satendra - MELLADO, Bruce. Measuring CP nature of top-Higgs couplings at the future Large Hadron electron Collider. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 770, pp. 335-341., Registrované v: WOS
10. [1.1] CORADESCHI, F. - DE FLORIAN, D. - DIXON, L. J. - FIDANZA, N. - HOECHE, S. - ITA, H. - LI, Y. - MAZZITELLI, J. Interference effects in the $H \rightarrow \gamma\gamma + 2$ jets channel at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 013004., Registrované v: WOS
11. [1.1] DAVID, G. Direct real photons in relativistic heavy ion collisions. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, APR 2020, vol. 83, no. 4., Registrované v: WOS
12. [1.1] DEGRASSI, G. - DI VITA, S. - SLAVICH, P. Two-loop QCD corrections to the MSSM Higgs masses beyond the effective-potential approximation. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 2, art. no. 61., Registrované v: WOS
13. [1.1] DENNEN, Tristan - WILLIAMS, Ciaran. $\gamma\gamma\gamma\gamma$ production at the LHC: An application of $2 \rightarrow 4$ analytic unitarity. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 5, art. no. 054012., Registrované v: WOS
14. [1.1] DOS SANTOS, G.S. - DA SILVEIRA, G.G. - MACHADO, M.V.T. The color dipole picture for prompt photon production in pp and pPb collisions at the CERN-LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 2 2020, vol. 80, no. 9., Registrované v: WOS
15. [1.1] DREINER, Herbi K. - NICKEL, Kilian - STAUB, Florian. On the two-loop corrections to the Higgs mass in trilinear R-parity violation. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 742, pp. 261-265., Registrované v: WOS
16. [1.1] ESPINOSA, Jose R. - GROJEAN, Christophe. Implications of the Higgs boson discovery. In COMPTES RENDUS PHYSIQUE. ISSN 1631-0705, 2015, vol. 16, no. 4, pp. 394-406., Registrované v: WOS
17. [1.1] GOHARIPOUR, Muhammad - MEHRABAN, Hossein. Study of isolated prompt photon production in p-Pb collisions for the ALICE

- kinematics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 054002., Registrované v: WOS
18. [1.1] GOHARIPOUR, Muhammad - MEHRABAN, Hossein. Predictions for the Isolated Prompt Photon Production at the LHC at $\sqrt{s}=13\text{TeV}$. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, art. no. 3802381., Registrované v: WOS
19. [1.1] GOHARIPOUR, M. - ROSTAMI, S. Probing nuclear modifications of parton distribution functions through the isolated prompt photon production at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 20 2019, vol. 99, no. 5., Registrované v: WOS
20. [1.1] GOTO, Toru - OKADA, Yasuhiro - SHINDOU, Tetsuo - TANAKA, Minoru - WATANABE, Ryoutaro. Lepton flavor violation in the supersymmetric seesaw model after the LHC 8 TeV run. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 3, art. no. 033007., Registrované v: WOS
21. [1.1] HAMADA, Yuta - KAWAI, Hikaru - ODA, Kin-ya - PARK, Seong Chan. Higgs inflation from standard model criticality. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 053008., Registrované v: WOS
22. [1.1] HARIGAYA, Keisuke - YANAGIDA, Tsutomu T. - YOKOZAKI, Norimi. Muon $g-2$ in focus point SUSY. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 035011., Registrované v: WOS
23. [1.1] HARIGAYA, Keisuke - YANAGIDA, Tsutomu T. - YOKOZAKI, Norimi. Higgs boson mass of 125 GeV and $g-2$ of the muon in a gaugino mediation model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 7, art. no. 075010., Registrované v: WOS
24. [1.1] HARZ, J. - HERRMANN, B. - KLASSEN, M. - KOVARIK, K. One-loop corrections to neutralino-stop coannihilation revisited. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 3, art. no. 034028., Registrované v: WOS
25. [1.1] HENDI, S. H. - PANAHI, B. Eslam - PANAHYAN, S. - MOMENNIA, M. Three dimensional magnetic solutions in massive gravity with (non)linear field. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 775, pp. 251-261., Registrované v: WOS
26. [1.1] HE, Xiao-Gang - LEE, Chao-Jung - TANDEAN, Jusak - ZHENG, Juan. Seesaw models with minimal flavor violation. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 7, art. no. 076008., Registrované v: WOS
27. [1.1] HISANO, Junji - KOBAYASHI, Daiki - MORI, Naoya - SENAHA, Eibun. Effective interaction of electroweak-interacting dark matter with Higgs boson and its phenomenology. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 742, pp. 80-85., Registrované v: WOS
28. [1.1] ISLAM, R. - KUMAR, M. - RAWOOT, V. kT -factorization approach to the Higgs boson production in $Z \rightarrow 4$ channel at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 28 2019, vol. 79, no. 3., Registrované v: WOS
29. [1.1] KARAGIANNAKIS, N. - LAZARIDES, G. - PALLIS, C. Probing the hyperbolic branch/focus point region of the constrained minimal supersymmetric standard model with generalized Yukawa quasiunification. In

PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 8, art. no. 085018., Registrované v: WOS

30. [1.1] MEBARKI, N. - BEKLI, M. R. - AISSAOUI, H. Some applications of the revisited approximate next-to-leading higher order corrections in QCD. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 11, art. no. 1550047., Registrované v: WOS

31. [1.1] PAQUET, Jean-Francois. Overview of electromagnetic probe production in ultra-relativistic heavy ion collisions. In WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS (HOT QUARKS 2016). ISSN 1742-6588, 2017, vol. 832, art. no. UNSP 012035., Registrované v: WOS

32. [1.1] PEREZ, Gilad - SOREQ, Yotam - STAMOU, Emmanuel - TOBIOKA, Kohsaku. Constraining the charm Yukawa and Higgs-quark coupling universality. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 033016., Registrované v: WOS

33. [1.1] PEREZ, Gilad - SOREQ, Yotam - STAMOU, Emmanuel - TOBIOKA, Kohsaku. Constraining the charm Yukawa and Higgs-quark coupling universality. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 033016., Registrované v: WOS

34. [1.1] ROBENS, Tania - STEFANIAK, Tim. Status of the Higgs singlet extension of the standard model after LHC run 1. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 3, art. no. 104., Registrované v: WOS

ADCA474 ABULENCIA, A. - ANTOŠ, Jaroslav - LYSÁK, Roman. Measurement of the inclusive jet cross section using the k(T) algorithm in p(p)over-bar collisions at root s=1.96 TeV with the CDF II detector. In *Physical Review D : particles, fields, gravitation and cosmology*, 2007, vol. 75, no. 9, art. no. 092006. (2006: 4.896 - IF, Q1 - JCR, 2.381 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Ohlasy:

1. [1.1] ABDEL-WAGED, Khaled - FELEMBAN, Nuha. Interpretation of charged-particle spectra in p plus p and p plus Pb collisions at energies available at the CERN Large Hadron Collider using an improved HIJING code with a collective cascade. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 91, no. 3, art. no. 034908., Registrované v: WOS

2. [1.1] BALL, Richard D. - BERTONE, Valerio - CARRAZZA, Stefano - DEANS, Christopher S. - DEL DEBBIO, Luigi - FORTE, Stefano - GUFFANTI, Alberto - HARTLAND, Nathan P. - LATORRE, Jose I. - ROJO, Juan - UBIALI, Maria. Parton distributions for the LHC run II. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 040., Registrované v: WOS

3. [1.1] BEHNKE, O. - GEISER, A. - LISOVYI, M. Charm, beauty and top at HERA. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2015, vol. 84, pp. 1-72., Registrované v: WOS

4. [1.1] BONVINI, Marco - MARZANI, Simone - ROJO, Juan - ROTTOLI, Luca - UBIALI, Maria - BALL, Richard D. - BERTONE, Valerio - CARRAZZA, Stefano - HARTLAND, Nathan P. Parton distributions with threshold resummation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art. no. 191., Registrované v: WOS

5. [1.1] FRANCAVILLA, Paolo. Measurements of inclusive jet and dijet cross sections at the Large Hadron Collider. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 31, art. no. 1546003., Registrované v: WOS
6. [1.1] TOKAREV, M. V. - ZBOROVSKY, I. SELF-SIMILARITY OF HADRON PRODUCTION: z-SCALING. In THEORETICAL AND MATHEMATICAL PHYSICS. ISSN 0040-5779, 2015, vol. 184, no. 3, pp. 1350-1360., Registrované v: WOS
7. [1.1] TOKAREV, M. V. - ZBOROVSKY, I. SELF-SIMILARITY OF HADRON PRODUCTION: z-SCALING. In THEORETICAL AND MATHEMATICAL PHYSICS. ISSN 0040-5779, 2015, vol. 184, no. 3, pp. 1350-1360., Registrované v: WOS

ADCA475 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Measurement of the inclusive jet cross section at the Fermilab Tevatron $p(p)$ -bar collider using a cone-based jet algorithm. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2008, vol. 78, no. 5, art. no. 052006. (2007: 4.696 - IF, Q1 - JCR, 2.593 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.78.052006>

Ohlasy:

1. [1.1] ABDEL-WAGED, Khaled - FELEMBAN, Nuha. Interpretation of charged-particle spectra in p plus p and p plus Pb collisions at energies available at the CERN Large Hadron Collider using an improved HIJING code with a collective cascade. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 91, no. 3, art. no. 034908., Registrované v: WOS
2. [1.1] BALL, Richard D. - BERTONE, Valerio - CARRAZZA, Stefano - DEANS, Christopher S. - DEL DEBBIO, Luigi - FORTE, Stefano - GUFFANTI, Alberto - HARTLAND, Nathan P. - LATORRE, Jose I. - ROJO, Juan - UBIALI, Maria. Parton distributions for the LHC run II. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 040., Registrované v: WOS
3. [1.1] ENGLERT, Christoph - SPANNOWSKY, Michael. Effective theories and measurements at colliders. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 740, pp. 8-15., Registrované v: WOS
4. [1.1] FRANCAVILLA, Paolo. Measurements of inclusive jet and dijet cross sections at the Large Hadron Collider. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 31, art. no. 1546003., Registrované v: WOS
5. [1.1] ROJO, Juan. Constraints on parton distributions and the strong coupling from LHC jet data. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 31, art. no. 1546005., Registrované v: WOS
6. [1.1] RYBCZYNSKI, Maciej - WŁODARCZYK, Zbigniew. Imprints of energy limitation in transverse momentum distributions of jets. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 7, art. no. 80., Registrované v: WOS

ADCA476 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard -

STRÍŽENEC, Pavol. Measurement of the inclusive jet cross-section in proton-proton collisions at $\sqrt{s}=7$ TeV using 4.5 fb⁻¹ of data with the ATLAS detector. In *Journal of High Energy Physics*, 2015, vol. 2015, no. 2, art. no. 153. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP02\(2015\)153](https://doi.org/10.1007/JHEP02(2015)153)

Ohlasy:

1. [1.1] ALEEDANESHVAR, A. - KHORRAMIAN, A. The impact of CMS inclusive jet data on parton distribution functions and their uncertainties. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 22, art. no. 1750134., Registrované v: WOS
2. [1.1] BAILEY, S. - HARLAND-LANG, L.A. Differential top quark pair production at the LHC: Challenges for PDF fits. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 25 2020, vol. 80, no. 1., Registrované v: WOS
3. [1.1] BALL, Richard D. - BERTONE, Valerio - CARRAZZA, Stefano - DEL DEBBIO, Luigi - FORTE, Stefano - GROTH-MERRILD, Patrick - GUFFANTI, Alberto - HARTLAND, Nathan P. - KASSABOV, Zahari - LATORRE, Jose I. - NOCERA, Emanuele R. - ROJO, Juan - ROTTOLI, Luca - SLADE, Emma - UBIALI, Maria. Parton distributions from high-precision collider data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 10, art. no. 663., Registrované v: WOS
4. [1.1] BALL, Richard D. - CARRAZZA, Stefano - DEL DEBBIO, Luigi - FORTE, Stefano - KASSABOV, Zahari - ROJO, Juan - SLADE, Emma - UBIALI, Maria. Precision determination of the strong coupling constant within a global PDF analysis. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 5, art. no. 408., Registrované v: WOS
5. [1.1] BANSAL, S. - VAN HAEVERMAET, H. Forward physics results on jet production and energy flow at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, FEB 10 2020, vol. 35, no. 4., Registrované v: WOS
6. [1.1] BEENAKKER, Wim - BORSCHENSKY, Christoph - KRAEMER, Michael - KULESZA, Anna - LAENEN, Eric - MARZANI, Simone - ROJO, Juan. NLO plus NLL squark and gluino production cross sections with threshold-improved parton distributions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 2, art. no. 53., Registrované v: WOS
7. [1.1] BRITZGER, D. - RABBERTZ, K. - SAVOIU, D. - SIEBER, G. - WOBISCH, M. Determination of the strong coupling constant using inclusive jet cross section data from multiple experiments. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 28 2019, vol. 79, no. 1., Registrované v: WOS
8. [1.1] CARRAZZA, Stefano. MODELING NNLO JET CORRECTIONS WITH NEURAL NETWORKS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 6, pp. 947-954., Registrované v: WOS
9. [1.1] CURRIE, James - GLOVER, E. W. N. - GEHRMANN, Thomas - GEHRMANN-DE RIDDER, Aude - HUSS, Alexander - FIRES, Joao. SINGLE JET INCLUSIVE PRODUCTION FOR THE INDIVIDUAL JET p(T) SCALE CHOICE AT THE LHC. In ACTA PHYSICA POLONICA B. ISSN 0587-4254,

- 2017, vol. 48, no. 6, pp. 955-967., Registrované v: WOS
10. [1.1] CZAKON, M. - VAN HAMEREN, A. - MITOV, A. - PONCELET, R. Single-jet inclusive rates with exact color at $O(\alpha^4(s))$. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 29 2019, no. 10., Registrované v: WOS
11. [1.1] FARINA, M. - MONDINO, C. - PAPPADOPULO, D. - RUDERMAN, J.T. New physics from high energy tops. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 31 2019, no. 1., Registrované v: WOS
12. [1.1] HARLAND-LANG, L. A. - NATHVANI, R. - THORNE, R. S. - MARTIN, A. D. MMHT PDFs: UPDATES AND OUTLOOK. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 6, pp. 1011-1024., Registrované v: WOS
13. [1.1] HARLAND-LANG, L. A. - MARTIN, A. D. - THORNE, R. S. The impact of LHC jet data on the MMHT PDF fit at NNLO. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 248., Registrované v: WOS
14. [1.1] HOBBS, T.J. - WANG, B.T. - NADOLSKY, P.M. - OLNES, F.I. Charting the coming synergy between lattice QCD and high-energy phenomenology. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 27 2019, vol. 100, no. 9., Registrované v: WOS
15. [1.1] KHALEK, R.A. - FORTE, S. - GEHRMANN, T. - GEHRMANN-DE RIDDER, A. - GIANI, T. - GLOVER, N. - HUSS, A. - NOCERA, E.R. - PIRES, J. - ROJO, J. - STAGNITTO, G. Phenomenology of NNLO jet production at the LHC and its impact on parton distributions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 31 2020, vol. 80, no. 8., Registrované v: WOS
16. [1.1] KOKKAS, P. Measurements of jet-related observables at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 31, art. no. 1546004., Registrované v: WOS
17. [1.1] MARTIN, A. D. - RYSKIN, M. G. Optimal choice of factorization scales for the description of jet production at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 4, art. no. 218., Registrované v: WOS
18. [1.1] ROJO, Juan. Constraints on parton distributions and the strong coupling from LHC jet data. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 31, art. no. 1546005., Registrované v: WOS
19. [1.1] SOFFER, Jacques - BOURRELY, Claude. New advances in the statistical parton distributions approach. In 6TH INTERNATIONAL CONFERENCE ON PHYSICS OPPORTUNITIES AT AN ELECTRON-ION COLLIDER. ISSN 2100-014X, 2016, vol. 112, art. no. 03007., Registrované v: WOS
20. [1.1] SOFFER, Jacques - BOURRELY, Claude. New Statistical PDFs: Predictions and Tests up to LHC Energies. In DIFFRACTION 2016: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2017, vol. 1819, art. no. 050003-1., Registrované v: WOS

ADCA477 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. -
BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef.

Measurement of the inclusive jet cross-sections in proton-proton collisions at root
 $s=8$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2017, no. 9,
art. no. 020. (2016: 6.063 - IF, Q1 - JCR, 1.163 - SJR, Q1 - SJR, Current Contents -
CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na:
[https://doi.org/10.1007/JHEP09\(2017\)020](https://doi.org/10.1007/JHEP09(2017)020)

Ohlasy:

1. [1.1] BAGNASCHI, E. - COSTA, J.C. - SAKURAI, K. - BORSATO, M. - BUCHMUELLER, O. - DE ROECK, A. - DOLAN, M.J. - ELLIS, J.R. - FLACHER, H. - HAHN, K. - HEINEMEYER, S. - LUCIO, M. - SANTOS, D.M. - OLIVE, K.A. - TRIFA, S. - WEIGLEIN, G. Global analysis of dark matter simplified models with leptophobic spin-one mediators using MasterCode. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
2. [1.1] BAILEY, S. - HARLAND-LANG, L.A. Differential top quark pair production at the LHC: Challenges for PDF fits. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 25 2020, vol. 80, no. 1., Registrované v: WOS
3. [1.1] BANERJEE, D. - KUMAR, M. - NAYEK, P. - SAHOO, S. Study of $B_s(0) \rightarrow l(+)l(-)\gamma$ decays in a nonuniversal Z' model. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, MAR 30 2019, vol. 34, no. 9., Registrované v: WOS
4. [1.1] BANSAL, S. - VAN HAEVERMAET, H. Forward physics results on jet production and energy flow at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, FEB 10 2020, vol. 35, no. 4., Registrované v: WOS
5. [1.1] BARBIERI, Riccardo - TESI, Andrea. B-decay anomalies in Pati-Salam $SU(4)$. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 193., Registrované v: WOS
6. [1.1] BORDONE, Marzia - CORNELLA, Claudia - FUENTES-MARTIN, Javier - ISIDORI, Gino. A three-site gauge model for flavor hierarchies and flavor anomalies. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 779, pp. 317-323., Registrované v: WOS
7. [1.1] COOK, Dianne - LAA, Ursula - VALENCIA, German. Dynamical projections for the visualization of PDFSense data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 742., Registrované v: WOS
8. [1.1] COY, R. - FRIGERIO, M. - MESCIA, F. - SUMENSARI, O. New physics in $b \rightarrow sll$ transitions at one loop. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 23 2020, vol. 80, no. 1., Registrované v: WOS
9. [1.1] DAS, Arindam - OKADA, Nobuchika - RAUT, Digesh. Heavy Majorana neutrino pair productions at the LHC in minimal $U(1)$ extended Standard Model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 696., Registrované v: WOS
10. [1.1] DAS, A. - OKADA, N. - OKADA, S. - RAUT, D. Probing the seesaw mechanism at the 250 GeV ILC. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2019, vol. 797., Registrované v: WOS
11. [1.1] DAS, Kasinath - LI, Tianjun - NANDI, S. - RAI, Santosh

- Kumar. New signals for vector-like down-type quark in $U(1)$ of E-6. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 1, art. no. 35., Registrované v: WOS
12. [1.1] DI LUZIO, Luca - KIRK, Matthew - LENZ, Alexander. Updated B-s-mixing constraints on new physics models for $b \rightarrow s l^{(+)} l^{(-)}$ anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095035., Registrované v: WOS
13. [1.1] DUAN, Guang Hua - HE, Xiao-Gang - WU, Lei - YANG, Jin Min. Leptophilic dark matter in gauged $U(1)_{L-e}$ $U(1)_{L-\mu}$ model in light of DAMPE cosmic ray $e^{(+)} + e^{(-)}$ excess. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 323., Registrované v: WOS
14. [1.1] DUAN, G.H. - FAN, X. - FRANK, M. - HAN, C.C. - YANG, J.M. A minimal $U(1)'$ extension of MSSM in light of the B decay anomaly. In PHYSICS LETTERS B. ISSN 0370-2693, FEB 10 2019, vol. 789, p. 54-58., Registrované v: WOS
15. [1.1] ERLAND, P. On the Exclusive Jet Measurements at the LHC. In PHOTONICS APPLICATIONS IN ASTRONOMY, COMMUNICATIONS, INDUSTRY, AND HIGH-ENERGY PHYSICS EXPERIMENTS 2019. ISSN 0277-786X, 2019, vol. 11176., Registrované v: WOS
16. [1.1] FORTE, S. - LEVY, A. - RIDOLFI, G. From My Vast Repertoire ... Guido Altarelli's Legacy Preface. In FROM MY VAST REPERTOIRE ... : GUIDO ALTARELLI'S LEGACY. 2019, p. V-+., Registrované v: WOS
17. [1.1] FRANK, M. Evading Z' boson mass limits in $U(1)'$ supersymmetric models. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 21, SI, p. 3205-3220., Registrované v: WOS
18. [1.1] HAN, C.C. - LOPEZ-IBANEZ, M. - PENG, B. - YANG, J.M. Dirac dark matter in $U(1)_{B-L}$ with the Stueckelberg mechanism. In NUCLEAR PHYSICS B. ISSN 0550-3213, OCT 2020, vol. 959., Registrované v: WOS
19. [1.1] HAN, Z.L. - DING, R. - LIN, S.J. - ZHU, B. Gauged $U(1)_{L-\mu-L-\tau}$ scotogenic model in light of R-K(*) anomaly and AMS-02 positron excess. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 2019, vol. 79, no. 12., Registrované v: WOS
20. [1.1] HARLAND-LANG, L. A. - MARTIN, A. D. - THORNE, R. S. The impact of LHC jet data on the MMHT PDF fit at NNLO. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 248., Registrované v: WOS
21. [1.1] JANA, S. - VISHNU, P.K. - SAAD, S. Minimal dirac neutrino mass models from $U(1)_{R'}$ gauge symmetry and left-right asymmetry at colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
22. [1.1] JOHNSON, Mark - MAITRE, Daniel. Strong coupling constant extraction from high-multiplicity Z plus jets observables. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 054013., Registrované v: WOS
23. [1.1] KHALEK, R.A. - FORTE, S. - GEHRMANN, T. - GEHRMANN-DE RIDDER, A. - GIANI, T. - GLOVER, N. - HUSS, A. - NOCERA, E.R. - PIRES, J. - ROJO, J. - STAGNITTO, G. Phenomenology of

- NNLO jet production at the LHC and its impact on parton distributions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 31 2020, vol. 80, no. 8., Registrované v: WOS
24. [1.1] KOWNACKI, Corey - MA, Ernest - POLLARD, Nicholas - POPOV, Oleg - ZAKERI, Mohammadreza. Alternative $[SU(3)](4)$ model of leptonic color and dark matter. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 928, pp. 520-534., Registrované v: WOS
25. [1.1] KOWNACKI, Corey - MA, Ernest - POLLARD, Nicholas - POPOV, Oleg - ZAKERI, Mohammadreza. Dark Gauge $U(1)$ symmetry for an alternative left-right model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 2, art. no. 148., Registrované v: WOS
26. [1.1] LIU, Xiaohui - MOCH, Sven-Olaf - RINGER, Felix. Phenomenology of single-inclusive jet production with jet radius and threshold resummation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 056026., Registrované v: WOS
27. [1.1] LONG, H.N. - HOP, N.V. - HUE, L.T. - VAN, N.T.T. Constraining heavy neutral gauge boson Z' in the 3-3-1 models by weak charge data of Cesium and proton. In NUCLEAR PHYSICS B. ISSN 0550-3213, JUN 2019, vol. 943., Registrované v: WOS
28. [1.1] MAJI, P. - NAYEK, P. - SAHOO, S. Implication of family non-universal Z' model to rare exclusive $b \rightarrow s(l\bar{l}), v(v\bar{v})$ transitions. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, MAR 2019, no. 3., Registrované v: WOS
29. [1.1] MA, Ernest. $[SU(2)](3)$ dark matter. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 780, pp. 533-537., Registrované v: WOS
30. [1.1] MA, E. Scotogenic cobimaximal Dirac neutrino mixing from $\Delta(27)$ and $U(1)_{\chi}$. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
31. [1.1] MA, E. Scotogenic $U(1)_{\chi}$ Dirac neutrinos. In PHYSICS LETTERS B. ISSN 0370-2693, JUN 10 2019, vol. 793, p. 411-414., Registrované v: WOS
32. [1.1] MA, E. Two-loop $Z(4)$ Dirac neutrino masses and mixing, with self-interacting dark matter. In NUCLEAR PHYSICS B. ISSN 0550-3213, SEP 2019, vol. 946., Registrované v: WOS
33. [1.1] MU, Linping - OKADA, Hiroshi - GENG, Chao-Qiang. A model with flavor-dependent gauged $U(1)_{(B-L1)} \times U(1)_{(B-L2-L3)}$ symmetry. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 12, art. no. 123106., Registrované v: WOS
34. [1.1] NAM, C.H. Flipped $U(1)$ extended standard model and Majorana dark matter. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 3 2020, vol. 80, no. 12., Registrované v: WOS
35. [1.1] NAM, C.H. $U(1)$ extension of the standard model from short-distance structure of spacetime. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 3 2019, vol. 79, no. 5., Registrované v: WOS
36. [1.1] NAYEK, P. - BISWAS, S. - MAJI, P. - SAHOO, S. Imprints of New Physics in Baryonic Decay $\Xi \Xi(b) \rightarrow \Xi \Xi l^{(+)}l^{(-)}$ in Non-universal Z' Model. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, SEP 2020, vol. 59, no. 9, p. 2712-2740., Registrované v: WOS
37. [1.1] OKADA, Nobuchika - OKADA, Satomi - RAUT, Digesh. $SU(5) \times U(1)_X$ grand unification with minimal seesaw and Z' -portal dark

matter. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 780, pp. 422-426., Registrované v: WOS

38. [1.1] OKADA, Nobuchika - SETO, Osamu. DAMPE excess from decaying right-handed neutrino dark matter. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2018, vol. 33, no. 27, art. no. 1850157., Registrované v: WOS

39. [1.1] RABY, Stuart - TRAUTNER, Andreas. Vectorlike chiral fourth family to explain muon anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095006., Registrované v: WOS

40. [1.1] TOKAREV, M.V. - ZBOROVSKY, I. - KECHECHYAN, A.O. - DEDOVICH, T.G. Verification of z-Scaling in p plus p, p and Au plus Au Collisions at RHIC, Tevatron and LHC. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, MAR 2020, vol. 51, no. 2, p. 141-171., Registrované v: WOS

ADCA478 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the inclusive jet cross-section in pp collisions at $\sqrt{s}=2.76$ TeV and comparison to the inclusive jet cross-section at $\sqrt{s}=7$ TeV using the ATLAS detector. In *European Physical Journal C*, 2013, vol. 73, no. 8, art. no. 2509. (2012: 5.247 - IF, Q1 - JCR, 3.034 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-013-2509-4>

Ohlasy:

1. [1.1] ABDOLMALEKI, H. - KHORRAMIAN, A. - ALEEDANESHVAR, A. Impact of intrinsic charm on PDFs with EMU and LHC data. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 282, pp. 27-31., Registrované v: WOS

2. [1.1] ABDOLMALEKI, H. - KHORRAMIAN, A. Parton distribution functions and constraints on the intrinsic charm content of the proton using the Brodsky-Hoyer-Peterson-Saka approach. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 24 2019, vol. 99, no. 11., Registrované v: WOS

3. [1.1] ALEEDANESHVAR, Alireza - GOHARIPOUR, Muhammad - ROSTAMI, Saeedeh. The impact of intrinsic charm on the parton distribution functions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 12, art. no. 352., Registrované v: WOS

4. [1.1] ALEEDANESHVAR, Alireza - GOHARIPOUR, Muhammad - ROSTAMI, Saeedeh. Uncertainty of parton distribution functions due to physical observables in a global analysis. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 2, art. no. 023101., Registrované v: WOS

5. [1.1] ALEEDANESHVAR, A. - KHORRAMIAN, A. The impact of CMS inclusive jet data on parton distribution functions and their uncertainties. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 22, art. no. 1750134., Registrované v: WOS

6. [1.1] ALEEDANESHVAR, A. - KHORRAMIAN, A. The impact of the LHCb B- \pm production cross-section on parton distribution functions and determining the mass of heavy quarks. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 979, pp. 215-236., Registrované v: WOS

7. [1.1] BALL, Richard D. - BERTONE, Valerio - BONVINI, Marco - CARRAZZA, Stefano - FORTE, Stefano - GUFFANTI, Alberto - HARTLAND,

- Nathan P. - ROJO, Juan - ROTTOLI, Luca. A determination of the charm content of the proton. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 11, art. no. 647., Registrované v: WOS
8. [1.1] BALL, Richard D. - BERTONE, Valerio - CARRAZZA, Stefano - DEL DEBBIO, Luigi - FORTE, Stefano - GROTH-MERRILD, Patrick - GUFFANTI, Alberto - HARTLAND, Nathan P. - KASSABOV, Zahari - LATORRE, Jose I. - NOCERA, Emanuele R. - ROJO, Juan - ROTTOLI, Luca - SLADE, Emma - UBIALI, Maria. Parton distributions from high-precision collider data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 10, art. no. 663., Registrované v: WOS
9. [1.1] BALL, R.D. - NOCERA, E.R. - PEARSON, R.L. Nuclear uncertainties in the determination of proton PDFs: NNPDF Collaboration. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS
10. [1.1] BANSAL, S. - VAN HAEVERMAET, H. Forward physics results on jet production and energy flow at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, FEB 10 2020, vol. 35, no. 4., Registrované v: WOS
11. [1.1] BERTONE, Valerio - CARRAZZA, Stefano - HARTLAND, Nathan P. APFELgrid: A high performance tool for parton density determinations. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2017, vol. 212, pp. 205-209., Registrované v: WOS
12. [1.1] BERTONE, Valerio - CARRAZZA, Stefano - HARTLAND, Nathan P. - ROJO, Juan. Illuminating the photon content of the proton within a global PDF analysis. In SCIPOST PHYSICS. ISSN 2542-4653, 2018, vol. 5, no. 1, art. no. 008., Registrované v: WOS
13. [1.1] BRITZGER, D. - RABBERTZ, K. - SAVOIU, D. - SIEBER, G. - WOBISCH, M. Determination of the strong coupling constant using inclusive jet cross section data from multiple experiments. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 28 2019, vol. 79, no. 1., Registrované v: WOS
14. [1.1] CURRIE, James - GEHRMANN-DE RIDDER, Aude - GEHRMANN, Thomas - GLOVER, Nigel - HUSS, Alexander - PIRES, Joao. Infrared sensitivity of single jet inclusive production at hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 155., Registrované v: WOS
15. [1.1] CURRIE, James - GLOVER, E. W. N. - GEHRMANN, Thomas - GEHRMANN-DE RIDDER, Aude - HUSS, Alexander - PIRES, Joao. SINGLE JET INCLUSIVE PRODUCTION FOR THE INDIVIDUAL JET $p(T)$ SCALE CHOICE AT THE LHC. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 6, pp. 955-967., Registrované v: WOS
16. [1.1] CURRIE, J. - GLOVER, E. W. N. - PIRES, J. Next-to-Next-to Leading Order QCD Predictions for Single Jet Inclusive Production at the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 118, no. 7, art. no. 072002., Registrované v: WOS
17. [1.1] HARLAND-LANG, L. A. - MARTIN, A. D. - MOTYLINSKI, P. - THORNE, R. S. Parton distributions in the LHC era: MMHT 2014 PDFs. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 204., Registrované v: WOS
18. [1.1] HARLAND-LANG, L. A. - MARTIN, A. D. - MOTYLINSKI,

- P. - THORNE, R. S. Updates of PDFs for the 2nd LHC run. In DIFFRACTION 2014: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2015, vol. 1654, art. no. 030001., Registrované v: WOS
19. [1.1] HARLAND-LANG, L. A. - MARTIN, A. D. - THORNE, R. S. The impact of LHC jet data on the MMHT PDF fit at NNLO. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 248., Registrované v: WOS
20. [1.1] CHATTERJEE, Rajdeep M. - GUHAIT, Monoranjan - PLACAKYTE, Ringaile. QCD analysis of the CMS inclusive differential Z production data at $\sqrt{s}=8$ TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 034035., Registrované v: WOS
21. [1.1] KHALEK, R.A. - FORTE, S. - GEHRMANN, T. - GEHRMANN-DE RIDDER, A. - GIANI, T. - GLOVER, N. - HUSS, A. - NOCERA, E.R. - PIRES, J. - ROJO, J. - STAGNITTO, G. Phenomenology of NNLO jet production at the LHC and its impact on parton distributions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 31 2020, vol. 80, no. 8., Registrované v: WOS
22. [1.1] KOKKAS, P. Measurements of jet-related observables at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 31, art. no. 1546004., Registrované v: WOS
23. [1.1] LIU, Xiaohui - MOCH, Sven-Olaf - RINGER, Felix. Phenomenology of single-inclusive jet production with jet radius and threshold resummation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 056026., Registrované v: WOS
24. [1.1] MOTYLINSKI, Patrick - HARLAND-LANG, Lucian - MARTIN, Alan D. - THORNE, Robert S. Updates of PDFs for the 2nd LHC run. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 2136-2141., Registrované v: WOS
25. [1.1] NIK, R. Aminzadeh - MODARRES, M. - MASOUMINIA, M. R. Study of inclusive single-jet production in the framework of $k(t)$ -factorization unintegrated parton distributions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 096012., Registrované v: WOS
26. [1.1] RABBERTZ, Klaus. Absolute Cross Sections. In JET PHYSICS AT THE LHC: THE STRONG FORCE BEYOND THE TEV SCALE. ISSN 0081-3869, 2017, vol. 268, pp. 111-144., Registrované v: WOS
27. [1.1] RABBERTZ, Klaus. Cross Section Ratios. In JET PHYSICS AT THE LHC: THE STRONG FORCE BEYOND THE TEV SCALE. ISSN 0081-3869, 2017, vol. 268, pp. 145-161., Registrované v: WOS
28. [1.1] ROLPH, Andrew - UBIALI, Maria. PDFs and LHC data: current and future constraints. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. UNSP 07001., Registrované v: WOS
29. [1.1] SALAJEGHEH, M. - NEJAD, S.M.M. - DELPASAND, M. Determination of D-s(+) meson fragmentation functions through two different approaches. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 20 2019, vol. 100, no. 11., Registrované v: WOS
30. [1.1] SAPRONOV, Andrey. HERAFitter an open source QCD fit framework. In 16TH INTERNATIONAL WORKSHOP ON ADVANCED COMPUTING AND ANALYSIS TECHNIQUES IN PHYSICS RESEARCH

(ACAT2014). ISSN 1742-6588, 2015, vol. 608, art. no. 012051., Registrované v: WOS

31. [1.1] SHOEIBI, Samira - KHANPOUR, Hamzeh - TAGHAVI-SHAHRI, F. - JAVIDAN, Kurosh. Determination of neutron fracture functions from a global QCD analysis of the leading neutron production at HERA. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 074011., Registrované v: WOS

32. [1.1] TOKAREV, M.V. - ZBOROVSKY, I. - KECHECHYAN, A.O. - DEDOVICH, T.G. Verification of z-Scaling in p plus p, p and Au plus Au Collisions at RHIC, Tevatron and LHC. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, MAR 2020, vol. 51, no. 2, p. 141-171., Registrované v: WOS

33. [1.1] TOUIHRI, Alaa - DRIDI, Olfa - KRICHEN, Saoussen. A multi Operator Genetic Algorithm For Solving The Capacitated Vehicle Routing Problem with Cross-Docking Problem. In PROCEEDINGS OF 2016 IEEE SYMPOSIUM SERIES ON COMPUTATIONAL INTELLIGENCE (SSCI), 2016., Registrované v: WOS

34. [1.1] VAFAEE, A. - KHORRAMIAN, A. Next-to-leading order QCD analysis of parton distribution functions with LHC data. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 282, pp. 32-36., Registrované v: WOS

ADCA479 ACHARYA, S. - ACOSTA, F.T. - ADAMOVÁ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Measurement of the inclusive J/psi polarization at forward rapidity in pp collisions at root s=8 TeV. In *European Physical Journal C*, 2018, vol. 78, no. 7, art. no. 562. (2017: 5.172 - IF, Q1 - JCR, 2.022 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-018-6027-2>

Ohlasy:

1. [1.1] MA, Yan-Qing - STEBEL, Tomasz - VENUGOPALAN, Raju. J/ polarization in the CGC plus NRQCD approach. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 057., Registrované v: WOS

ADCA480 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Measurement of the Inclusive Leptonic Asymmetry in Top-Quark Pairs that Decay to Two Charged Leptons at CDF. In *Physical Review Letters*, 2014, vol. 113, no. 4, art. no. 042001. (2013: 7.728 - IF, Q1 - JCR, 5.674 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.113.042001>

Ohlasy:

1. [1.1] ABRAHANTES, A. - ARGANDA, E. - PENARANDA, S. Top-quark polarization and asymmetries at the LHC in the effective description of squark interactions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 1, art. no. 37., Registrované v: WOS

2. [1.1] BOOS, E. E. - BRANDT, O. E. - DENISOV, D. S. - DENISOV, S. P. - GRANNIS, P. D. The top quark (20 years after its discovery). In PHYSICS-USPEKHI. ISSN 1063-7869, 2015, vol. 58, no. 12, pp. 1133-1158., Registrované v: WOS

3. [1.1] CZAKON, Michal - FIEDLER, Paul - MITOV, Alexander. Resolving the Tevatron Top Quark Forward-Backward Asymmetry Puzzle: Fully Differential Next-to-Next-to-Leading-Order Calculation. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 5, art. no. 052001., Registrované v: WOS
4. [1.1] FORTE, S. - NISATI, A. - PASSARINO, G. - TENCHINI, R. - CALAME, C. M. Carloni - CHIESA, M. - COBAL, M. - CORCELLA, G. - DEGRASSI, G. - FERRERA, G. - MAGNEA, L. - MALTONI, F. - MONTAGNA, G. - NASON, P. - NICROSINI, O. - OLEARI, C. - PICCININI, F. - RIVA, F. - VICINI, A. The Standard Model from LHC to future colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 11, art. no. 554., Registrované v: WOS
5. [1.1] MURPHY, Christopher W. Bottom-quark forward-backward and charge asymmetries at hadron colliders. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 054003., Registrované v: WOS

ADCA481 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the Inelastic Proton-Proton Cross Section at $\sqrt{s}=13$ TeV with the ATLAS Detector at the LHC. In *Physical Review Letters*, 2016, vol. 117, no. 18, art. no. 182002. (2015: 7.645 - IF, Q1 - JCR, 4.656 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.117.182002>

Ohlasy:

1. [1.1] ARBELETCHÉ, L. B. - GONCALVES, V. P. - MUELLER, M. A. Investigating the influence of diffractive interactions on ultrahigh-energy extensive air showers. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 26, art. no. 1850153., Registrované v: WOS
2. [1.1] BOEHM, C. - DEGRANDE, C. - SCHOLTZ, J. - VINCENT, A.C. Using circular polarization to test the composition and dynamics of astrophysical particle accelerators. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 18 2020, vol. 102, no. 12., Registrované v: WOS
3. [1.1] DURAND, L. - HA, P. Eikonal and asymptotic fits to high-energy data for σ , ρ , and B : An update with curvature corrections. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 9 2019, vol. 99, no. 1., Registrované v: WOS
4. [1.1] DU, M.X. - LIU, Z.W. - TRAN, V.Q. Enhanced long-lived dark photon signals at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 12 2020, no. 5., Registrované v: WOS
5. [1.1] FAGUNDES, Daniel A. - GRAU, Agnes - PANCHERI, Giulia - SHEKHOVTSOVA, Olga - SRIVASTAVA, Yogendra N. Inelastic cross section and survival probabilities at the LHC in minijet models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 054010., Registrované v: WOS
6. [1.1] FENG, Jonathan L. - GALON, Iftah - KLING, Felix - TROJANOWSKI, Sebastian. Forward Search Experiment at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 035001., Registrované v: WOS
7. [1.1] GONCALVES, K.J. - GIANNINI, A.V. - CHINELLATO, D.D. - TORRIERI, G. Limiting fragmentation as an initial-state probe in heavy ion

- collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 4 2019, vol. 100, no. 5., Registrované v: WOS
8. [1.1] KHARZEEV, Dmitri - TU, Zhoudunming - ZHANG, Aobo - LI, Wei. Effect of the fluctuating proton size on the study of the chiral magnetic effect in proton-nucleus collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 2, art. no. 024905., Registrované v: WOS
9. [1.1] KHOZE, V. A. - MARTIN, A. D. - RYSKIN, M. G. Elastic and diffractive scattering at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 784, pp. 192-198., Registrované v: WOS
10. [1.1] LOIZIDES, Constantin - KAMIN, Jason - D'ENTERRIA, David. Improved Monte Carlo Glauber predictions at present and future nuclear colliders. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 5, art. no. 054910., Registrované v: WOS
11. [1.1] PANCHERI, Giulia - SRIVASTAVA, Yogendra N. Introduction to the physics of the total cross section at LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 3, art. no. 150., Registrované v: WOS
12. [1.1] RIEHN, F. - ENGEL, R. - FEDYNITCH, A. - GAISSER, T.K. - STANEV, T. Hadronic interaction model SIBYLL 2.3d and extensive air showers. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 3 2020, vol. 102, no. 6., Registrované v: WOS
13. [1.1] SAMOKHIN, A. P. Correlations among elastic and inelastic cross-sections and slope parameter. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 786, pp. 100-105., Registrované v: WOS
14. [1.1] SEN, S. RECENT CMS RESULTS ON INELASTIC CROSS-SECTION MEASUREMENTS. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 4, p. 753-758., Registrované v: WOS
15. [1.1] WINKLER, Martin Wolfgang. Cosmic ray antiprotons at high energies. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2017, no. 2, art. no. 048., Registrované v: WOS
16. [1.1] ZHOU, Qi-Dong - ITOW, Yoshitaka - MENJO, Hiroaki - SAKO, Takashi. Monte Carlo study of particle production in diffractive proton-proton collisions at root s=13 TeV with the very forward detector combined with central information. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 4, art. no. 212., Registrované v: WOS

ADCA482 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the isolated diphoton cross section in pp collisions at root s=7 TeV with the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2012, vol. 85, no. 1, art. no. 012003. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Ohlasy:

1. [1.1] DAVID, G. Direct real photons in relativistic heavy ion collisions. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, APR 2020, vol. 83, no. 4., Registrované v: WOS
2. [1.1] GHORBANI, Karim - KHALKHALI, Leila. Mono-Higgs signature in a fermionic dark matter model. In JOURNAL OF PHYSICS

G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 10, art. no. 105004., Registrované v: WOS

3. [1.1] KAMENIK, J. F. - PEREZ, G. - SCHLAFFER, M. - WEILER, A. On the challenge of estimating diphoton backgrounds at large invariant mass. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 2, art. no. 126., Registrované v: WOS

4. [1.1] MESROPIAN, Christina - BANDURIN, Dmitry. Review of physics results from the Tevatron: QCD physics. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 6, art. no. 1541002., Registrované v: WOS

5. [1.1] PEREPELITSA, Dennis V. Hard processes in small systems. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 113-120., Registrované v: WOS

ADCA483 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector. In *European Physical Journal C*, 2011, vol. 71, no. 11, art. no. 1795. (2010: 3.248 - IF, Q2 - JCR, 2.215 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-011-1795-y>

Ohlasy:

1. [1.1] ANDERLE, Daniele P. - KAUFMANN, Tom - STRATMANN, Marco - RINGER, Felix. Fragmentation functions beyond fixed order accuracy. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 054003., Registrované v: WOS

2. [1.1] ARRATIA, M. - KANG, Z.B. - PROKUDIN, A. - RINGER, F. Jet based measurements of Sivers and Collins asymmetries at the future electron-ion collider. In PHYSICAL REVIEW D. ISSN 1550-7998, OCT 22 2020, vol. 102, no. 7., Registrované v: WOS

3. [1.1] GOTSMAN, E. - LEVIN, E. Thermal radiation and inclusive production in the Kharzeev-Levin-Nardi model for ion-ion collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 12 2019, vol. 100, no. 3., Registrované v: WOS

4. [1.1] GOTSMAN, E. - LEVIN, E. Thermal radiation and inclusive production in the CGC/saturation approach at high energies. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 17 2019, vol. 79, no. 5., Registrované v: WOS

5. [1.1] KANG, Zhong-Bo - LIU, Xiaohui - RINGER, Felix - XING, Hongxi. The transverse momentum distribution of hadrons within jets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 11, art. no. 068., Registrované v: WOS

6. [1.1] KANG, Zhong-Bo - PROKUDIN, Alexei - RINGER, Felix - YUAN, Feng. Collins azimuthal asymmetries of hadron production inside jets. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 774, pp. 635-642., Registrované v: WOS

7. [1.1] KANG, Zhong-Bo - RINGER, Felix - VITEV, Ivan. Jet substructure using semi-inclusive jet functions in SCET. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 11, art. no. 155., Registrované

v: WOS

8. [1.1] KANG, Z.B. - LEE, K. - TERRY, J. - XING, H.X. Jet fragmentation functions for Z-tagged jets. In PHYSICS LETTERS B. ISSN 0370-2693, NOV 10 2019, vol. 798., Registrované v: WOS
9. [1.1] KANG, Z.B. - LEE, K. - ZHAO, F.Y. Polarized jet fragmentation functions. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS
10. [1.1] KAUFMANN, Tom - MUKHERJEE, Asmita - VOGELSANG, Werner. Hadron fragmentation inside jets in hadronic collisions. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 054015., Registrované v: WOS
11. [1.1] KAUFMANN, T. - LIU, X.H. - MUKHERJEE, A. - RINGER, F. - VOGELSANG, W. Hadron-in-jet production at partonic threshold. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 5 2020, no. 2., Registrované v: WOS
12. [1.1] LARKOSKI, A.J. - MOULT, I. - NACHMAN, B. Jet substructure at the Large Hadron Collider: A review of recent advances in theory and machine learning. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, JAN 27 2020, vol. 841, p. 1-63., Registrované v: WOS
13. [1.1] METZ, A. - VOSSEN, A. Parton fragmentation functions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 91, pp. 136-202., Registrované v: WOS
14. [1.1] REICHEL, Daniel - RICHARDSON, Peter - SIODMOK, Andrzej. COLOUR RECONNECTIONS IN QUARK AND GLUON JETS IN HERWIG 7. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 6, pp. 1167-1173., Registrované v: WOS
15. [1.1] SAKAKI, Y. Quark jet rates and quark-gluon discrimination in multijet final states. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 18 2019, vol. 99, no. 11., Registrované v: WOS
16. [1.1] SHEIKH, A.I. Measurements of heavy-flavor jets with ALICE at the LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, JAN-MAR 2020, vol. 309, p. 174-180., Registrované v: WOS
17. [1.1] URMOSY, Karoly. JET MASS FLUCTUATIONS AND FRAGMENTATION FUNCTIONS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 6, pp. 1225-1229., Registrované v: WOS
18. [1.1] URMOSY, K. Jet mass dependence of fragmentation in positron-proton collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 2, art. no. 36., Registrované v: WOS
19. [1.1] URMOSY, K. - RAK, J. Fragmentation in the $\phi(3)$ theory and the LPHD hypothesis. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 28-29, art. no. 1645045., Registrované v: WOS
20. [1.1] WILK, Grzegorz - WLODARCZYK, Zbigniew. Oscillations in Multiparticle Production Processes. In ENTROPY. ISSN 1099-4300, 2017, vol. 19, no. 12, art. no. 670., Registrované v: WOS
21. [1.1] WILK, Grzegorz - WLODARCZYK, Zbigniew. Some intriguing aspects of multiparticle production processes. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 10, art. no. 1830008., Registrované v: WOS

22. [1.1] YAN, Y.L. - LIMPHIRAT, A. - ZHOU, D.M. - SRISAWAD, P. - YAN, Y.P. - YANG, C.B. - CAI, X. - SA, B. Comparative study of the forward and backward methods for calculating jet properties in pp collisions at $\sqrt{s}=7$ TeV. In CHINESE PHYSICS C. ISSN 1674-1137, MAR 2020, vol. 44, no. 3., Registrované v: WOS

ADCA484 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the jet radius and transverse momentum dependence of inclusive jet suppression in lead-lead collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. In *Physics Letters B*, 2013, vol. 719, no. 4-5, p. 220-241. (2012: 4.569 - IF, Q1 - JCR, 3.353 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2013.01.024>

Ohlasy:

1. [1.1] ANDRES, Carlota - ARMESTO, Nestor - LUZUM, Matthew - SALGADO, Carlos A. - ZURITA, Pia. Energy versus centrality dependence of the jet quenching parameter at RHIC and LHC: a new puzzle? In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 9, art. no. 475., Registrované v: WOS
2. [1.1] APOLINARIO, Liliana - ARMESTO, Nestor - MILHANO, Jose Guilherme - SALGADO, Carlos A. Medium-induced gluon radiation and colour decoherence beyond the soft approximation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 2, art. no. 119., Registrované v: WOS
3. [1.1] ARLEO, Francois - KOLEVATOV, Rodion - PEIGNE, Stephane. Coherent medium-induced gluon radiation in hard forward $1 > 1$ partonic processes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 014006., Registrované v: WOS
4. [1.1] ARMESTO, Nestor - SCOMPARIN, Enrico. Heavy-ion collisions at the Large Hadron Collider: A review of the results from Run 1. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2016, vol. 131, no. 3, art. no. 52., Registrované v: WOS
5. [1.1] BALA, Renu - BAUTISTA, Irais - BIELCIKOVA, Jana - ORTIZ, Antonio. Heavy-ion physics at the LHC: Review of Run I results. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 7, art. no. 1642006., Registrované v: WOS
6. [1.1] BASKAKOV, A. V. - BOOS, E. E. - DUDKO, L. V. - LOKHTIN, I. P. - SNIGIREV, A. M. Single top quark production in heavy ion collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 4, art. no. 044901., Registrované v: WOS
7. [1.1] BERDNIKOV, A. - BERDNIKOV, Y. - KOTOV, D. - ZHARKO, S. - RADZEVICH, P. Studying the mechanisms of the hadron jets production in U plus U collisions at $\sqrt{s_{NN}}=192$ GeV. In INTERNATIONAL CONFERENCE PHYSICA.SPB/2019. ISSN 1742-6588, 2019, vol. 1400., Registrované v: WOS
8. [1.1] BERDNIKOV, A. - BERDNIKOV, Y. - KOTOV, D. - RADZEVICH, P. - ZHARKO, S. Jet-Quenching Studies Using Leading Mesons in Cu plus Au Collisions at $\sqrt{s_{NN}}=200$ GeV. In INTERNATIONAL

CONFERENCE PHYSICA.SPB/2019. ISSN 1742-6588, 2019, vol. 1400.,
Registrované v: WOS

9. [1.1] BERDNIKOV, A.Y. - BERDNIKOV, Y.A. - ZHARKO, S.V. -
KOTOV, D.O. - RADZEVICH, P.V. JET-QUENCHING STUDIES IN
ULTRARELATIVISTIC COPPER-GOLD NUCLEI COLLISIONS USING
OMEGA MESONS. In ST PETERSBURG POLYTECHNIC UNIVERSITY
JOURNAL-PHYSICS AND MATHEMATICS. ISSN 2405-7223, 2019, vol. 12,
no. 3, p. 143-154., Registrované v: WOS

10. [1.1] BLAIZOT, J.P. - MEHTAR-TANI, Y. Jet structure in heavy ion
collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS
E-NUCLEAR PHYSICS. ISSN 0218-3013, 2015, vol. 24, no. 11, art. no.
1530012., Registrované v: WOS

11. [1.1] BREWER, Jasmine - RAJAGOPAL, Krishna - SADOBYEV,
Andrey - VAN DER SCHEE, Wilke. Evolution of the mean jet shape and dijet
asymmetry distribution of an ensemble of holographic jets in strongly coupled
plasma. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018,
no. 2, art. no. 015., Registrované v: WOS

12. [1.1] CAO, S. - MAJUMDER, A. - QIN, G.Y. - SHEN, C. Drag
induced radiation and multi-stage effects in heavy-flavor energy loss. In
PHYSICS LETTERS B. ISSN 0370-2693, JUN 10 2019, vol. 793, p. 433-439.,
Registrované v: WOS

13. [1.1] CASALDERREY-SOLANA, Jorge - GULHAN, Doga Can -
MILHANO, Jose Guilherme - PABLOS, Daniel - RAJAGOPAL, Krishna. A
hybrid strong/weak coupling approach to jet quenching (vol 10, pg, 2014). In
JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art.
no. 175., Registrované v: WOS

14. [1.1] CASALDERREY-SOLANA, Jorge - PABLOS, Daniel -
TYWONIUK, Konrad. Two-gluon emission and interference in a thin QCD
medium: insights into jet formation. In JOURNAL OF HIGH ENERGY
PHYSICS. ISSN 1029-8479, 2016, no. 11, art. no. 174., Registrované v: WOS

15. [1.1] CASALDERREY-SOLANA, Jorge - GULHAN, Doga Can -
MILHANO, Jose Guilherme - PABLOS, Daniel - RAJAGOPAL, Krishna.
Predictions for boson-jet observables and fragmentation function ratios from a
hybrid strong/weak coupling model for jet quenching. In JOURNAL OF HIGH
ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 053., Registrované v:
WOS

16. [1.1] CASALDERREY-SOLANA, Jorge - GULHAN, Doga Can -
MILHANO, Jose Guilherme - PABLOS, Daniel - RAJAGOPAL, Krishna.
Angular structure of jet quenching within a hybrid strong/weak coupling model.
In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art.
no. 135., Registrované v: WOS

17. [1.1] CONNORS, Megan - NATTRASS, Christine - REED, Rosi -
SALUR, Sevil. Jet measurements in heavy ion physics. In REVIEWS OF
MODERN PHYSICS. ISSN 0034-6861, 2018, vol. 90, no. 2, art. no. 025005.,
Registrované v: WOS

18. [1.1] EDMONDS, Terrence - LI, Qingfeng - WANG, Fuqiang.
Collisional broadening of angular correlations in a multiphase transport model. In
NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 966, pp. 124-134.,
Registrované v: WOS

19. [1.1] EPPLE, Eliane. Cold nuclear matter effects on jet suppression in

heavy-ion collisions. In WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS (HOT QUARKS 2016). ISSN 1742-6588, 2017, vol. 832, art. no. UNSP 012006., Registrované v: WOS

20. [1.1] ESCOBEDO, Miguel A. - IANCU, Edmond. Multi-particle correlations and KNO scaling in the medium-induced jet evolution. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 12, art. no. 104., Registrované v: WOS

21. [1.1] ESCOBEDO, Miguel A. - LANCU, Edmond. Event-by-event fluctuations in the medium-induced jet evolution. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 008., Registrované v: WOS

22. [1.1] ESKOLA, K.J. - HELENIUS, I. - KUHA, M. - PAUKKUNEN, H. Shadowing in Inelastic Nucleon-Nucleon Cross Section?. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, NOV 18 2020, vol. 125, no. 21., Registrované v: WOS

23. [1.1] FISTER, Leonard - IANCU, Edmond. Medium-induced jet evolution: wave turbulence and energy loss. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 3, art. no. 082., Registrované v: WOS

24. [1.1] HARRIS, John W. Introduction to Hard Scattering Processes and Recent Results from Hard Probes at RHIC and LHC. In XXXVII BRAZILIAN MEETING ON NUCLEAR PHYSICS. ISSN 1742-6588, 2015, vol. 630, art. no. 012052., Registrované v: WOS

25. [1.1] HE, Y.Y. - CAO, S.S. - CHEN, W. - LUO, T. - PANG, L.G. - WANG, X.N. Interplaying mechanisms behind single inclusive jet suppression in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 29 2019, vol. 99, no. 5., Registrované v: WOS

26. [1.1] HUANG, Jinrui - KANG, Zhong-Bo - VITEV, Ivan - XING, Hongxi. Photon-tagged and B-meson-tagged b-jet production at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 750, pp. 287-293., Registrované v: WOS

27. [1.1] HULCHER, Zachary - PABLOS, Daniel - RAJAGOPAL, Krishna. Resolution effects in the hybrid strong/weak coupling model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 010., Registrované v: WOS

28. [1.1] CHANG, Ning-Bo - CAO, Shanshan - QIN, Guang-You. Probing medium-induced jet splitting and energy loss in heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 781, pp. 423-432., Registrované v: WOS

29. [1.1] CHANG, Ning-Bo - QIN, Guang-You. Full jet evolution in quark-gluon plasma and nuclear modification of jet production and jet shape in Pb plus Pb collisions at 2.76A TeV at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024902., Registrované v: WOS

30. [1.1] CHANG, Ning-Bo - QIN, Guang-You. Full jet evolution in quark-gluon plasma and nuclear modification of jet structure in Pb plus Pb collisions at 2.76A TeV. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 145-148., Registrované v: WOS

31. [1.1] CHANG, N.B. - TACHIBANA, Y. - QIN, G.Y. Nuclear

modification of jet shape for inclusive jets and gamma-jets at the LHC energies. In PHYSICS LETTERS B. ISSN 0370-2693, FEB 10 2020, vol. 801.,
 Registrované v: WOS

32. [1.1] CHIEN, Yang-Ting - EMERMAN, Alexander - KANG, Zhong-Bo - OVANESYAN, Grigory - VITEV, Ivan. Jet quenching from QCD evolution. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 074030., Registrované v: WOS

33. [1.1] CHIEN, Yang-Ting - VITEV, Ivan. Towards the understanding of jet shapes and cross sections in heavy ion collisions using soft-collinear effective theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 023., Registrované v: WOS

34. [1.1] CHIEN, Yang-Ting - VITEV, Ivan. Probing the Hardest Branching within Jets in Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 11, art. no. 112301., Registrované v: WOS

35. [1.1] IANCU, Edmond - WU, Bin. Thermalization of mini-jets in a quark-gluon plasma. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 10, art. no. 155., Registrované v: WOS

36. [1.1] JUNG, Kurt. Heavy Flavored Jet Modification at CMS. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 874-877., Registrované v: WOS

37. [1.1] KANG, Zhong-Bo - LASHOF-REGAS, Robin - OVANESYAN, Grigory - SAAD, Philip - VITEV, Ivan. Jet Quenching Phenomenology from Soft-Collinear Effective Theory with Glauber Gluons. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 9, art. no. 092002., Registrované v: WOS

38. [1.1] KANG, Zhong-Bo - LEE, Kyle - RINGER, Felix. Jet angularity measurements for single inclusive jet production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 4, art. no. 110., Registrované v: WOS

39. [1.1] KANG, Zhong-Bo - RINGER, Felix - VITEV, Ivan. The semi-inclusive jet function in SCET and small radius resummation for inclusive jet production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 10, art. no. 125., Registrované v: WOS

40. [1.1] KANG, Zhong-Bo - RINGER, Felix - VITEV, Ivan. Jet and heavy flavor production in heavy-ion collisions. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 121-124., Registrované v: WOS

41. [1.1] KANG, Zhong-Bo - RINGER, Felix - VITEV, Ivan. Inclusive production of small radius jets in heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 769, pp. 242-248., Registrované v: WOS

42. [1.1] KANG, Zhong-Bo. Recent developments in NLO corrections to in-medium jets. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 276, pp. 48-53., Registrované v: WOS

43. [1.1] KAUDER, Kolja. Di-Jet Imbalance Measurements in Central Au plus Au Collisions at $\sqrt{s_{NN}}=200$ GeV from STAR. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 276, pp. 201-204., Registrované v: WOS

44. [1.1] KURKELA, Aleksii - WIEDEMANN, Urs Achim. Picturing perturbative parton cascades in QCD matter. In PHYSICS LETTERS B. ISSN

- 0370-2693, 2015, vol. 740, pp. 172-178., Registrované v: WOS
45. [1.1] LARKOSKI, A.J. - MOULT, I. - NACHMAN, B. Jet substructure at the Large Hadron Collider: A review of recent advances in theory and machine learning. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, JAN 27 2020, vol. 841, p. 1-63., Registrované v: WOS
46. [1.1] LEE, Yen-Jie. Studies of dijet pseudorapidity distributions and transverse momentum balance in pPb collisions at $\sqrt{s(NN)}=5.02$ TeV. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 352, pp. 27-34., Registrované v: WOS
47. [1.1] LOKHTIN, I. P. - ALKIN, A. A. - SNIGIREV, A. M. On jet structure in heavy ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 452., Registrované v: WOS
48. [1.1] LUO, Tan - CAO, Shanshan - HE, Yayun - WANG, Xin-Nian. Multiple jets and gamma-jet correlation in high-energy heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 782, pp. 707-716., Registrované v: WOS
49. [1.1] MAJUMDER, A. - PUTSCHKE, J. Mass depletion: A new parameter for quantitative jet modification. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 5, art. no. 054909., Registrované v: WOS
50. [1.1] MEHTAR-TANI, Yacine - TYWONIUK, Konrad. Jet (de)coherence in Pb-Pb collisions at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 744, pp. 284-287., Registrované v: WOS
51. [1.1] MILHANO, Jose Guilherme - ZAPP, Korinna Christine. Origins of the di-jet asymmetry in heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 288., Registrované v: WOS
52. [1.1] MIODUSZEWSKI, S. The quest to understand QCD matter using heavy nuclei in collisions. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 10, art. no. 108014., Registrované v: WOS
53. [1.1] MUELLER, A. H. - WU, Bin - XIAO, Bo-Wen - YUAN, Feng. Medium induced transverse momentum broadening in hard processes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034007., Registrované v: WOS
54. [1.1] NATTRASS, Christine. Measurements of jets in ALICE. In 9TH INTERNATIONAL WORKSHOP ON HIGH-PT PHYSICS AT LHC. ISSN 1742-6588, 2015, vol. 589, art. no. 012015., Registrované v: WOS
55. [1.1] NATTRASS, Christine. MEASUREMENTS OF JETS IN ALICE. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 6, pp. 1543-1551., Registrované v: WOS
56. [1.1] PRINO, Francesco - RAPP, Ralf. Open heavy flavor in QCD matter and in nuclear collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 9, art. no. 093002., Registrované v: WOS
57. [1.1] QIN, Guang-You. Modification of jet rate, shape and structure: model and phenomenology. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 47-52., Registrované v: WOS
58. [1.1] QIU, J.W. - RINGER, F. - SATO, N. - ZURITA, P. Factorization of Jet Cross Sections in Heavy-Ion Collisions. In PHYSICAL

REVIEW LETTERS. ISSN 0031-9007, JUN 24 2019, vol. 122, no. 25.,
Registrované v: WOS

59. [1.1] ROLAND, Christof. Jets in heavy ion collisions at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 31, art. no. 1546010., Registrované v: WOS

60. [1.1] ROSSI, A. Experiment summary. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 276, pp. 96-102., Registrované v: WOS

61. [1.1] SAKAI, Shingo. Heavy-flavour productions in the relativistic heavy ion collisions in LHC. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 07020., Registrované v: WOS

62. [1.1] SIEVERT, Matthew D. - VITEV, Ivan. Quark branching in QCD matter to any order in opacity beyond the soft gluon emission limit. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 094010., Registrované v: WOS

63. [1.1] TACHIBANA, Yasuki - HIRANO, Tetsufumi. Interplay between Mach cone and radial expansion and its signal in gamma-jet events. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 5, art. no. 054907., Registrované v: WOS

64. [1.1] TACHIBANA, Yasuki - CHANG, Ning-Bo - QIN, Guang-You. Flow excited by full jet shower in QGP fluid and its effect on jet shape. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 141-144., Registrované v: WOS

65. [1.1] TACHIBANA, Yasuki - CHANG, Ning-Bo - QIN, Guang-You. Full jet in quark-gluon plasma with hydrodynamic medium response. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 4, art. no. 044909., Registrované v: WOS

66. [1.1] VITEV, Ivan. Soft-collinear effective theory for hadronic and nuclear collisions: The evolution of jet quenching from RHIC to the highest LHC energies. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 677-680., Registrované v: WOS

67. [1.1] WANG, Fuqiang. Jet-quenching and correlations. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2015, vol. 84, no. 5, pp. 801-819., Registrované v: WOS

68. [1.1] WANG, Mengliang. Overview of jet physics with ALICE at the LHC. In 12TH INTERNATIONAL CONFERENCE ON NUCLEUS-NUCLEUS COLLISIONS 2015. ISSN 2100-014X, 2016, vol. 117, art. no. 03009., Registrované v: WOS

69. [1.1] ZHOU, F.C. - MA, G.L. - MA, Y.G. Extracting jet transport parameter q from a multiphase transport model. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, FEB 27 2020, vol. 56, no. 2., Registrované v: WOS

ADCA485 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the $\Lambda(0)b$ lifetime and mass in the ATLAS experiment. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2013, vol 87, no. 3, art. no. 032002. (2012: 4.691 - IF, Q1 - JCR, 2.725 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Ohlasy:

1. [1.1] BLOK, B. - CECCOPIERI, F.A. Z plus jets production via double parton scattering in pA collisions at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 20 2020, vol. 80, no. 8., Registrované v: WOS
2. [1.1] FERNANDEZ, J. P. - FLORES-CASTILLO, L. R. Experimental insight into b-hadron lifetimes. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 86, pp. 1-34., Registrované v: WOS
3. [1.1] GANDHI, K. - KAKADIYA, A. - SHAH, Z. - RAI, A.K. Excited S - wave Lambda(0)(b) Baryon. In 3RD INTERNATIONAL CONFERENCE ON CONDENSED MATTER & APPLIED PHYSICS (ICC-2019). ISSN 0094-243X, 2020, vol. 2220., Registrované v: WOS
4. [1.1] GERSHON, Timothy - NEEDHAM, Matthew. Heavy flavour physics at the LHC. In COMPTES RENDUS PHYSIQUE. ISSN 1631-0705, 2015, vol. 16, no. 4, pp. 435-447., Registrované v: WOS
5. [1.1] KATS, Yevgeny. Measuring polarization of light quarks at ATLAS and CMS. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 071503., Registrované v: WOS
6. [1.1] ZHANG, Liming. Study of b-hadron to J/psi h(+)h(-) decays. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 1398-1403., Registrované v: WOS

ADCA486 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Measurement of the leptonic asymmetry in $t(\bar{t})$ over-bar events produced in $p(\bar{p})$ over-bar collisions at $\sqrt{s}=1.96$ TeV. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2013, vol. 88, no. 7, art. no. 072003. (2012: 4.691 - IF, Q1 - JCR, 2.725 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.88.072003>

Ohlasy:

1. [1.1] ABRAHANTES, A. - ARGANDA, E. - PENARANDA, S. Top-quark polarization and asymmetries at the LHC in the effective description of squark interactions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 1, art. no. 37., Registrované v: WOS
2. [1.1] BANERJEE, D. - DHARAI, C. - SAHOO, S. Search for the B (s) (0) π π integral e^+e^- and B (d) (0) π π integral e^+e^- Decays in Flavor-Changing Z' Model. In BRAZILIAN JOURNAL OF PHYSICS. ISSN 0103-9733, 2015, vol. 45, no. 5, pp. 545-549., Registrované v: WOS
3. [1.1] CZAKON, Michal - FIEDLER, Paul - MITOV, Alexander. Resolving the Tevatron Top Quark Forward-Backward Asymmetry Puzzle: Fully Differential Next-to-Next-to-Leading-Order Calculation. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 5, art. no. 052001., Registrované v: WOS
4. [1.1] GAULD, Rhorry - HAISCH, Ulrich - PECJAK, Ben D. - RE, Emanuele. Beauty-quark and charm-quark pair production asymmetries at LHCb. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 034007., Registrované v: WOS
5. [1.1] GAULD, Rhorry. Leptonic top quark asymmetry predictions at LHCb. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art.

no. 054029., Registrované v: WOS

6. [1.1] GODBOLE, Rohini M. - MENDIRATTA, Gaurav - RINDANI, Saurabh D. Looking for BSM physics using top-quark polarization and decay-lepton kinematic asymmetries. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 094013., Registrované v: WOS

ADCA487 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the low-mass Drell-Yan differential cross section at $\sqrt{s}=7$ TeV using the ATLAS detector. In *Journal of High Energy Physics*, 2014, vol. 2014, no. 6, art. no. 112. (2013: 6.220 - IF, Q1 - JCR, 1.173 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP06\(2014\)112](https://doi.org/10.1007/JHEP06(2014)112)

Ohlasy:

1. [1.1] ABDOLMALEKI, H. - KHORRAMIAN, A. Parton distribution functions and constraints on the intrinsic charm content of the proton using the Brodsky-Hoyer-Peterson-Saka approach. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 24 2019, vol. 99, no. 11., Registrované v: WOS

2. [1.1] BALL, Richard D. - BERTONE, Valerio - CARRAZZA, Stefano - DEL DEBBIO, Luigi - FORTE, Stefano - GROTH-MERRILD, Patrick - GUFFANTI, Alberto - HARTLAND, Nathan P. - KASSABOV, Zahari - LATORRE, Jose I. - NOCERA, Emanuele R. - ROJO, Juan - ROTTOLI, Luca - SLADE, Emma - UBIALI, Maria. Parton distributions from high-precision collider data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 10, art. no. 663., Registrované v: WOS

3. [1.1] BALL, Richard D. - BERTONE, Valerio - BONVINI, Marco - MARZANI, Simone - ROJO, Juan - ROTTOLI, Luca. Parton distributions with small- x resummation: evidence for BFKL dynamics in HERA data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 321., Registrované v: WOS

4. [1.1] BALL, R.D. - NOCERA, E.R. - PEARSON, R.L. Nuclear uncertainties in the determination of proton PDFs: NNPDF Collaboration. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS

5. [1.1] BASSO, Eduardo - GONCALVES, Victor P. - NEMCHIK, Jan - PASECHNIK, Roman - SUMBERA, Michal. Drell-Yan phenomenology in the color dipole picture revisited. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 034023., Registrované v: WOS

6. [1.1] BERTONE, Valerio - CARRAZZA, Stefano - HARTLAND, Nathan P. - ROJO, Juan. Illuminating the photon content of the proton within a global PDF analysis. In SCIPOST PHYSICS. ISSN 2542-4653, 2018, vol. 5, no. 1, art. no. 008., Registrované v: WOS

7. [1.1] BOZZI, G. - CITELLI, L. - VICINI, A. Parton density function uncertainties on the W boson mass measurement from the lepton transverse momentum distribution. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 113005., Registrované v: WOS

8. [1.1] BRZEMINSKI, Dawid - MOTYKA, Leszek - SADZIKOWSKI, Mariusz - STEBEL, Tomasz. Twist decomposition of Drell-Yan structure functions: phenomenological implications. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, vol., no. 1, art. no. 005., Registrované v: WOS

9. [1.1] DE MONCHENAULT, Gautier Hamel. Electroweak Measurements at the LHC. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 67. ISSN 0163-8998, 2017, vol. 67, pp. 19-44., Registrované v: WOS
10. [1.1] GOLEC-BIERNAT, K. - STEBEL, T. Drell-Yan production with the CCFM-K evolution. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 21 2020, vol. 80, no. 5., Registrované v: WOS
11. [1.1] KHALEK, R.A. - BALL, R.D. - CARRAZZA, S. - FORTE, S. - GIANI, T. - KASSABOV, Z. - PEARSON, R.L. - NOCERA, E.R. - ROJO, J. - ROTTOLI, L. - UBIALI, M. - VOISEY, C. - WILSON, M. Parton distributions with theory uncertainties: general formalism and first phenomenological studies NNPDF Collaboration. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
12. [1.1] KHALEK, R.A. - FORTE, S. - GEHRMANN, T. - GEHRMANN-DE RIDDER, A. - GIANI, T. - GLOVER, N. - HUSS, A. - NOCERA, E.R. - PIRES, J. - ROJO, J. - STAGNITTO, G. Phenomenology of NNLO jet production at the LHC and its impact on parton distributions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 31 2020, vol. 80, no. 8., Registrované v: WOS
13. [1.1] MARTINEZ, A.B. - CONNOR, P.L.S. - DAMIANI, D.D. - BANOS, L.I.E. - HAUTMANN, F. - JUNG, H. - LIDRYCH, J. - SCHMITZ, M. - MONFARED, S.T. - WANG, Q. - ZLEBICK, R. Production of Z bosons in the parton branching method. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 24 2019, vol. 100, no. 7., Registrované v: WOS
14. [1.1] MOTYKA, Leszek - SADZIKOWSKI, Mariusz - STEBEL, Tomasz. Lam-Tung relation breaking in Z(0) hadroproduction as a probe of parton transverse momentum. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 114025., Registrované v: WOS
15. [1.1] NOCERA, E.R. - UBIALI, M. - VOISEY, C. Single top production in PDF fits. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 14 2020, no. 5., Registrované v: WOS
16. [1.1] SCHAEFER, Wolfgang - SZCZUREK, Antoni. Low mass Drell-Yan production of lepton pairs at forward directions at the LHC: A hybrid approach. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 074014., Registrované v: WOS

ADCA488 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the mass difference between top and anti-top quarks in pp collisions at $s = 7$ TeV using the ATLAS detector. In *Physics Letters B*, 2014, vol. 728, p. 363-379. (2013: 6.019 - IF, Q1 - JCR, 3.707 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2013.12.010>

Ohlasy:

1. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS

ADCA489 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Measurement of the masses and widths of the bottom baryons $\Sigma^{+/-}(b)$ and $\Sigma^{*+/-}(b)$. In *Physical Review D. Particles, fields, gravitation and*

cosmology, 2012, vol. 85, no. 9, art. no. 092011. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na:
<https://doi.org/10.1103/PhysRevD.85.092011>

Ohlasy:

1. [1.1] DHIR, Rohit - KIM, C. S. Axial-vector emitting weak nonleptonic decays of $\Omega(0)(c)$ baryon. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 114008., Registrované v: WOS
2. [1.1] GALANTI, Mario - GIAMMANCO, Andrea - GROSSMAN, Yuval - KATS, Yevgeny - STAMOU, Emmanuel - ZUPAN, Jure. Heavy baryons as polarimeters at colliders. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2015, no. 11, art. no. 067., Registrované v: WOS

ADCA490 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data. In *European Physical Journal C*, 2014, vol. 74, no. 11, art. no. 3130. (2013: 5.436 - IF, Q1 - JCR, 2.323 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1434-6044.

Ohlasy:

1. [1.1] ATLAS Reconstruction and Performance. In *SEARCHING FOR DARK MATTER WITH THE ATLAS DETECTOR*. ISSN 2190-5053, 2017, pp. 55-69., Registrované v: WOS
2. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS
3. [1.1] ELVIRA, V. Daniel. Impact of detector simulation in particle physics collider experiments. In *PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS*. ISSN 0370-1573, 2017, vol. 695, pp. 1-54., Registrované v: WOS
4. [1.1] GHASRIAN, Parvin Vakili - AMINI, Peyman. INVESTIGATING THE RELATIONSHIP BETWEEN MANAGEMENT CAPABILITY AND VALUE OF GOODWILL IN CORPORATIONS ACCEPTED IN TEHRAN STOCK EXCHANGE. In *QUID-INVESTIGACION CIENCIA Y TECNOLOGIA*. ISSN 1692-343X, 2017, no. 1, pp. 2283-2289., Registrované v: WOS
5. [1.1] ISMAIL, Ahmed - KATZ, Andrey. Anomalous Z' and diboson resonances at the LHC. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2018, no. 4, art. no. 122., Registrované v: WOS
6. [1.1] KRAJEWSKI, K.T. - DEVER, D.E. - JOHNSON, C.C. - MI, Q. - SIMPSON, R.J. - GRAHAM, S.M. - MOIR, G.L. - AHAMED, N.U. - FLANAGAN, S.D. - ANDERST, W.J. - CONNABOY, C. Load Magnitude and Locomotion Pattern Alter Locomotor System Function in Healthy Young Adult Women. In *FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY*. ISSN 2296-4185, SEP 16 2020, vol. 8., Registrované v: WOS
7. [1.1] OGUL, Hasan - DILSIZ, Kamuran. Cross Section Prediction for Inclusive Production of Z Boson in pp Collisions at $\sqrt{s}=14\text{TeV}$: A Study of Systematic Uncertainty due to Scale Dependence. In *ADVANCES IN HIGH ENERGY PHYSICS*. ISSN 1687-7357, 2017, art. no. 262018., Registrované v: WOS

8. [1.1] PEDERSEN, Keith - SULLIVAN, Zack. $\mu(x)$ boosted-bottom-jet tagging and Z' boson searches. In PHYSICAL REVIEW D. ISSN 1550-7998, 2016, vol. 93, no. 1, art. no. 014014., Registrované v: WOS
9. [1.1] The Mono-Jet Analysis. In SEARCHING FOR DARK MATTER WITH THE ATLAS DETECTOR. ISSN 2190-5053, 2017, pp. 167-236., Registrované v: WOS

ADCA491 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of the nuclear modification factor for inclusive jets in Pb plus Pb collisions at $\sqrt{s(NN)}=5.02$ TeV with the ATLAS detector. In *Physics Letters B*, 2019, vol. 790, p. 108-128. (2018: 4.162 - IF, Q2 - JCR, 1.806 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.10.076>

Ohlasy:

1. [1.1] BISWAS, R. - CHOUDHURY, S. - PRASAD, S.K. - DAS, S. Study of jet-medium interactions using jet shape observables in heavy ion collisions at LHC energies with JEWEL. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, SEP 2019, vol. 46, no. 9., Registrované v: WOS
2. [1.1] BREWER, J. - MILHANO, J.G. - THALER, J. Sorting Out Quenched Jets. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, JUN 4 2019, vol. 122, no. 22., Registrované v: WOS
3. [1.1] CASALDERREY-SOLANA, J. - HULCHER, Z. - MILHANO, G. - PABLOS, D. - RAJAGOPAL, K. Simultaneous description of hadron and jet suppression in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 22 2019, vol. 99, no. 5., Registrované v: WOS
4. [1.1] CAUCA, P. - LANCU, E. - SOYEZ, G. Deciphering the $z(g)$ distribution in ultrarelativistic heavy ion collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 2019, no. 10., Registrované v: WOS
5. [1.1] HE, Y.Y. - CAO, S.S. - CHEN, W. - LUO, T. - PANG, L.G. - WANG, X.N. Interplaying mechanisms behind single inclusive jet suppression in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 29 2019, vol. 99, no. 5., Registrované v: WOS
6. [1.1] HE, Y.Y. - PANG, L.G. - WANG, X.N. Bayesian Extraction of Jet Energy Loss Distributions in Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, JUN 27 2019, vol. 122, no. 25., Registrované v: WOS
7. [1.1] QIU, J.W. - RINGER, F. - SATO, N. - ZURITA, P. Factorization of Jet Cross Sections in Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, JUN 24 2019, vol. 122, no. 25., Registrované v: WOS
8. [1.1] ZIGIC, D. - SALOM, I. - AUVINEN, J. - DJORDJEVIC, M. - DJORDJEVIC, M. DREENA-C framework: joint $R(AA)$ and $v(2)$ predictions and implications to QGP tomography. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, AUG 2019, vol. 46, no. 8., Registrované v: WOS

ADCA492 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the parity-violating asymmetry parameter a_b and the helicity amplitudes for the decay $\Lambda(0)b - J/\psi \Lambda(0)$ with the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2014, vol. 89, no. 9, art. no. 092009. (2013: 4.864 - IF, Q1 - JCR, 2.482 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.89.092009>

Ohlasy:

1. [1.1] BEVAN, Adrian. Experimental prospects for C, P, T, CP, and CPT tests. In 4TH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES (DISCRETE2014). ISSN 1742-6588, 2015, vol. 631, art. no. 012003., Registrované v: WOS
2. [1.1] BOTELLA, F. J. - GARCIA MARTIN, L. M. - MARANGOTTO, D. - MARTINEZ VIDAL, F. - MERLI, A. - NERI, N. - OYANGUREN, A. - VIDAL, J. Ruiz. On the search for the electric dipole moment of strange and charm baryons at LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 3, art. no. 181., Registrované v: WOS
3. [1.1] GUTSCHE, Thomas - IVANOV, Mikhail A. - KOERNER, Juergen G. - LYUBOVITSKIJ, Valery E. - LYUBUSHKIN, Vladimir V. - SANTORELLI, Pietro. Theoretical description of the decays $\Lambda(b) \rightarrow \Lambda(\bar{b}) (1/2(+/-), 3/2(+/-)) + J/\psi$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 013003., Registrované v: WOS
4. [1.1] GUTSCHE, Thomas - IVANOV, Mikhail A. - KOERNER, Juergen G. - LYUBOVITSKIJ, Valery E. Nonleptonic two-body decays of single heavy baryons $\Lambda(Q)$, $\Xi(Q)$, and $\Omega(Q)$ ($Q = b, c$) induced by W emission in the covariant confined quark model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 074011., Registrované v: WOS
5. [1.1] KATS, Yevgeny. Measuring polarization of light quarks at ATLAS and CMS. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 071503., Registrované v: WOS
6. [1.1] NOGUEIRA-SANTOS, M.G.L. - BARROS, C.C. Low energy pion- Λb interaction. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 29 2020, vol. 80, no. 6., Registrované v: WOS
7. [1.1] ROCA, L. - MAI, M. - OSET, E. - MEISSNER, Ulf-G. Predictions for the $\Lambda(b) \rightarrow J/\psi \Lambda(1405)$ decay. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 218., Registrované v: WOS
8. [1.1] SINGH, Harpreet - KUMAR, Arvind - DAHIYA, Harleen. Magnetic moments of octet baryons in hot and dense nuclear matter. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 9, art. no. 094104., Registrované v: WOS

ADCA493 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. In *European Physical Journal C*, 2016, vol. 76, no. 12, art. no. 666. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4507-9>

Ohlasy:

1. [1.1] DILLON, Barry M. - HAN, Chengcheng - LEE, Hyun Min - PARK, Myeonghun. KK graviton resonance and cascade decays in warped gravity. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 33, art. no. 1745006., Registrované v: WOS
2. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS
3. [1.1] FENG, Jonathan L. - GALON, Iftah - KLING, Felix - TROJANOWSKI, Sebastian. Axionlike particles at FASER: The LHC as a photon beam dump. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 055021., Registrované v: WOS
4. [1.1] HALL, Zachary - THALER, Jesse. Photon isolation and jet substructure. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 164., Registrované v: WOS
5. [1.1] CHAKRABORTY, Amit - IYER, Abhishek M. - ROY, Tuhin S. A framework for finding anomalous objects at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 932, pp. 439-470., Registrované v: WOS
6. [1.1] MAGILL, Gabriel - PLESTID, Ryan - POSPELOV, Maxim - TSAI, Yu-Dai. Dipole portal to heavy neutral leptons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115015., Registrované v: WOS
7. [1.1] XIA, L.G. QBDT, a new boosting decision tree method with systematical uncertainties into training for High Energy Physics. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, JUN 21 2019, vol. 930, p. 15-26., Registrované v: WOS

ADCA494 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016. In *European Physical Journal C*, 2019, vol. 79, no. 3, art. no. 205. (2018: 4.843 - IF, Q1 - JCR, 1.972 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-019-6650-6>

Ohlasy:

1. [1.1] IUDIN, A. - VORONOV, S. ANALYSIS OF ISOLATED PHOTONS IN PHOTOPRODUCTION IN PYTHIA. In EAST EUROPEAN JOURNAL OF PHYSICS. ISSN 2312-4334, 2019, no. 3, p. 10-20., Registrované v: WOS

ADCA495 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at root s=7 TeV with the ATLAS experiment. In *European Physical Journal C*, 2012, vol. 72, no. 5, art. no. 2001. (2011: 3.631 - IF, Q2 - JCR, 2.962 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-012-2001-6>

Ohlasy:

1. [1.1] ALIOLI, Simone - DEKENS, Wouter - GIRARD, Michael - MEREGHETTI, Emanuele. NLO QCD corrections to SM-EFT dilepton and electroweak Higgs boson production, matched to parton shower in POWHEG. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 205., Registrované v: WOS
2. [1.1] ALIOLI, S. - BOUGHEZAL, R. - MEREGHETTI, E. - PETRIELLO, F. Novel angular dependence in Drell-Yan lepton production via dimension-8 operators. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS
3. [1.1] BAGLIO, J. - NINH, L.D. Fiducial polarization observables in hadronic WZ production: a next-to-leading order QCD plus EW study. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 8 2019, no. 4., Registrované v: WOS
4. [1.1] BALLESTRERO, Alessandro - MAINA, Ezio - PELLICCIOLI, Giovanni. W boson polarization in vector boson scattering at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 170., Registrované v: WOS
5. [1.1] BALLESTRERO, A. - MAINA, E. - PELLICCIOLI, G. Polarized vector boson scattering in the fully leptonic WZ and ZZ channels at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 11 2019, no. 9., Registrované v: WOS
6. [1.1] BALLESTRERO, A. - MAINA, E. - PELLICCIOLI, G. Different polarization definitions in same-sign WW scattering at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS
7. [1.1] DENNER, A. - PELLICCIOLI, G. Polarized electroweak bosons in W+W- production at the LHC including NLO QCD effects. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 25 2020, no. 9., Registrované v: WOS
8. [1.1] FACCIOLI, P. - LOURENCO, C. - MADLENER, T. From prompt to direct J/psi production: new insights on the $\chi(c1)$ and $\chi(c2)$ polarizations and feed-down contributions from a global-fit analysis of mid-rapidity LHC data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 14 2020, vol. 80, no. 7., Registrované v: WOS
9. [1.1] GUO, Y.C. - WANG, Y.Y. - YANG, J.C. - YUE, C.X. Constraints on anomalous quartic gauge couplings via W gamma jj production at the LHC. In CHINESE PHYSICS C. ISSN 1674-1137, DEC 2020, vol. 44, no. 12., Registrované v: WOS

ADCA496 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the production and lepton charge asymmetry of W bosons in Pb plus Pb collisions at $\sqrt{s(NN)}=2.76$ TeV with the ATLAS detector. In *European Physical Journal C*, 2015, vol. 75, no. 1, art. no. 23. (2014: 5.084 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1434-6044.

Ohlasy:

1. [1.1] ARLEO, Francois - CHAPON, Emilien - PAUKKUNEN, Hannu. Scaling properties of inclusive W-+/- production at hadron colliders. In

- EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, art. no. 214., Registrované v: WOS
2. [1.1] ARMESTO, Nestor - SCOMPARIN, Enrico. Heavy-ion collisions at the Large Hadron Collider: A review of the results from Run 1. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2016, vol. 131, no. 3, art. no. 52., Registrované v: WOS
 3. [1.1] DEV, P.S.B. - MOHAPATRA, R.N. - ZHANG, Y.C. CP violating effects in heavy neutrino oscillations: implications for colliders and leptogenesis. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 25 2019, no. 11., Registrované v: WOS
 4. [1.1] ELAYAVALLI, Raghav Kunnawalkam - ZAPP, Korinna Christine. Simulating V plus jet processes in heavy ion collisions with JEWEL. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 12, art. no. 695., Registrované v: WOS
 5. [1.1] ESKOLA, Kari J. - PAAKKINEN, Petja - PAUKKUNEN, Hannu - SALGADO, Carlos A. EPPS16: nuclear parton distributions with LHC data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 3, art. no. 163., Registrované v: WOS
 6. [1.1] RU, Peng - ZHANG, Ben-Wei - CHENG, Luan - WANG, Enke - ZHANG, Wei-Ning. Production of $Z(0)$ and W^+/W^- in relativistic heavy-ion collisions at the LHC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 8, art. no. 085104., Registrované v: WOS
 7. [1.1] STOCCO, Diego. Electroweak boson production in p-Pb and P-bPb collisions at root $S_{NN}=5.02$ TeV with ALICE. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 309-312., Registrované v: WOS
 8. [1.1] WATANABE, Y. S. Experimental overview on EM observables. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 176-183., Registrované v: WOS

ADCA497 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the production cross section of prompt j/ψ mesons in association with a W (+/-) boson in pp collisions root $s=7$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2014, vol. 2014, no. 4, art. no. 172. (2013: 6.220 - IF, Q1 - JCR, 1.173 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP04\(2014\)172](https://doi.org/10.1007/JHEP04(2014)172)

Ohlasy:

1. [1.1] BABIARZ, I. - SCHAFER, W. - SZCZUREK, A. Associated production of $\chi(c)$ pairs with a gluon in the collinear-factorization approach. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 12 2019, vol. 99, no. 7., Registrované v: WOS
2. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
3. [1.1] BORSCHENSKY, Christoph - KULESZA, Anna. Double parton scattering in pair production of J/ψ mesons at the LHC revisited. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034029., Registrované v: WOS

4. [1.1] BUFFING, Maarten G. A. - DIEHL, Markus - KASEMETS, Tomas. Transverse momentum in double parton scattering: factorisation, evolution and matching. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 1, art. no. 044., Registrované v: WOS
5. [1.1] DEB, S. - THAKUR, D. - DE, S. - SAHOO, R. Multiplicity dependence of J/psi production and QCD dynamics in p plus p collisions at $\sqrt{s}=13$ TeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, MAY 19 2020, vol. 56, no. 5., Registrované v: WOS
6. [1.1] DIEHL, M. - GAUNT, J.R. - PLOSSL, P. - SCHAFER, A. Two-loop splitting in double parton distributions. In SCIPOST PHYSICS. ISSN 2542-4653, AUG 2019, vol. 7, no. 2., Registrované v: WOS
7. [1.1] DIEHL, M. - GAUNT, J.R. - LANG, D.M. - PLOSSL, P. - SCHAFER, A. Sum rule improved double parton distributions in position space. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 25 2020, vol. 80, no. 5., Registrované v: WOS
8. [1.1] ELIAS, Edgar - GOLEC-BIERNAT, Krzysztof - STASTO, Anna M. Numerical analysis of the unintegrated double gluon distribution. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 1, art. no. 141., Registrované v: WOS
9. [1.1] GOLEC-BIERNAT, Krzysztof - STASTO, Anna M. Unintegrated double parton distributions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034033., Registrované v: WOS
10. [1.1] GOTSMAN, E. - LEVIN, E. Energy evolution and the Bose-Einstein enhancement for double parton densities. In PHYSICAL REVIEW D. ISSN 1550-7998, MAR 22 2019, vol. 99, no. 5., Registrované v: WOS
11. [1.1] LANSBERG, JeanPhilippe - PISANO, Cristian - SCHLEGEL, Marc. Associated production of a dilepton and a Upsilon (J/psi) at the LHC as a probe of gluon transverse momentum dependent distributions. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 920, pp. 192-210., Registrované v: WOS
12. [1.1] LANSBERG, Jean-Philippe - SHAO, Hua-Sheng. Phenomenological analysis of associated production of $Z(0) + b$ in the $b\bar{b}$ J/psi X decay channel at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 916, pp. 132-142., Registrované v: WOS
13. [1.1] LANSBERG, Jean-Philippe - SHAO, Hua-Sheng. J/psi plus Z production at the LHC. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 06013., Registrované v: WOS
14. [1.1] LANSBERG, Jean-Philippe - SHAO, Hua-Sheng - YAMANAKA, Nodoka. Indication for double parton scatterings in W plus prompt J/psi production at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 781, pp. 485-491., Registrované v: WOS
15. [1.1] LANSBERG, J. P. Theory status of quarkonium production in proton-nucleus collisions. In 15TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2015). ISSN 1742-6588, 2016, vol. 668, art. no. 012019., Registrované v: WOS
16. [1.1] LANSBERG, J.P. New observables in inclusive production of quarkonia. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, DEC 20 2020, vol. 889, p. 1-106., Registrované v: WOS

17. [1.1] LANSBERG, J.P. - SHAO, H.S. - YAMANAKA, N. - ZHANG, Y.J. Prompt J/psi-pair production at the LHC: impact of loop-induced contributions and of the colour-octet mechanism. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 2019, vol. 79, no. 12., Registrované v: WOS
18. [1.1] LI, G. - PAN, X.A. - SONG, M. - ZHANG, Y. Prompt J/psi production in association with a top quark pair at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 18 2019, vol. 100, no. 7., Registrované v: WOS
19. [1.1] MACIULA, Rafal - SZCZUREK, Antoni. Double-parton scattering effects in associated production of charm mesons and dijets at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074013., Registrované v: WOS
20. [1.1] MACIULA, Rafal - SZCZUREK, Antoni. Double-parton scattering effects in (DB+)-B-0 and B+B+ meson-meson pair production in proton-proton collisions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 094010., Registrované v: WOS
21. [1.1] SHAO, Hua-Sheng - ZHANG, Yu-Jie. Complete Study of Hadroproduction of a gamma Meson Associated with a Prompt J/psi. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 117, no. 6, art. no. 062001., Registrované v: WOS
22. [1.1] SHAO, H.S. Probing impact-parameter dependent nuclear parton densities from double parton scatterings in heavy-ion collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 26 2020, vol. 101, no. 5., Registrované v: WOS
23. [1.1] SHAO, H.S. - ZHANG, Y.J. Triple Prompt J/psi Hadroproduction as a Hard Probe of Multiple-Parton Scatterings. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, MAY 14 2019, vol. 122, no. 19., Registrované v: WOS

ADCA498 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the production cross section of an isolated photon associated with jets in proton-proton collisions at $s = 7$ TeV with the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2012, vol. 85, no. 9, art. no. 092014. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Ohlasy:

1. [1.1] GOHARIPOUR, Muhammad - MEHRABAN, Hossein. Study of isolated prompt photon production in p-Pb collisions for the ALICE kinematics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 054002., Registrované v: WOS

ADCA499 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the production cross section of jets in association with a Z boson in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2013, vol. 2013, no. 7, art. no. 032. (2012: 5.618 - IF, 1.475 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1029-8479.

Ohlasy:

1. [1.1] ALIOLI, Simone - BAUER, Christian W. - BERGGREN, Calvin - TACKMANN, Frank J. - WALSH, Jonathan R. Drell-Yan production at NNLL ' plus NNLO matched to parton showers. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 094020., Registrované v: WOS
2. [1.1] ANGER, F. R. - CORDERO, F. Febres - HOCHÉ, S. - MAITRE, D. Weak vector boson production with many jets at the LHC root $\sqrt{s}=13$ TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 096010., Registrované v: WOS
3. [1.1] BELLM, Johannes - GIESEKE, Stefan - PLAETZER, Simon. Merging NLO multi-jet calculations with improved unitarization. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 244., Registrované v: WOS
4. [1.1] BIEDERMANN, Benedikt - BRAEUER, Stephan - DENNER, Ansgar - PELLEN, Mathieu - SCHUMANN, Steffen - THOMPSON, Jennifer M. Automation of NLO QCD and EW corrections with SHERPA and RECOLA. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 7, art. no. 492., Registrované v: WOS
5. [1.1] BOTHMANN, Enrico - FERRARESE, Piero - KRAUSS, Frank - KUTTIMALAI, Silvan - SCHUMANN, Steffen - THOMPSON, Jennifer. Aspects of perturbative QCD at a 100 TeV future hadron collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 034007., Registrované v: WOS
6. [1.1] BOTHMANN, Enrico - SCHONHERR, Marek - SCHUMANN, Steffen. Reweighting QCD matrix-element and parton-shower calculations. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 11, art. no. 590., Registrované v: WOS
7. [1.1] BOUGHEZAL, Radja - CAMPBELL, John - ELLIS, R. Keith - FOCKE, Christfried - GIELE, Walter - LIU, Xiaohui - PETRIELLO, Frank. Z-Boson Production in Association with a Jet at Next-To-Next-To-Leading Order in Perturbative QCD. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 15, art. no. 152001., Registrované v: WOS
8. [1.1] BOUGHEZAL, Radja - FOCKE, Christfried - LIU, Xiaohui. Jet vetoes versus giant K factors in the exclusive Z+1-jet cross section. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 094002., Registrované v: WOS
9. [1.1] BOUGHEZAL, Radja - LIU, Xiaohui - PETRIELLO, Frank. Phenomenology of the Z boson plus jet process at NNLO. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 074015., Registrované v: WOS
10. [1.1] FISCHER, Nadine - PRESTEL, Stefan. Combining states without scale hierarchies with ordered parton showers. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 601., Registrované v: WOS
11. [1.1] FISCHER, N. - PRESTEL, S. - RITZMANN, M. - SKANDS, P. VINCIA for hadron colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 11, art. no. 589., Registrované v: WOS
12. [1.1] GEHRMANN-DE RIDDER, A. - GEHRMANN, T. - GLOVER, E. W. N. - HUSS, A. - MORGAN, T. A. Precise QCD Predictions for the Production of a Z Boson in Association with a Hadronic Jet. In PHYSICAL

REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 117, no. 2, art. no. 022001.,
Registrované v: WOS

13. [1.1] GEHRMANN-DE RIDDER, A. - GEHRMANN, T. - GLOVER, E.W.N. - HUSS, A. - WALKER, D.M. Vector boson production in association with a jet at forward rapidities. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 20 2019, vol. 79, no. 6., Registrované v: WOS

14. [1.1] GOHARIPOUR, Muhammad - MEHRABAN, Hossein. Study of isolated prompt photon production in p-Pb collisions for the ALICE kinematics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 054002., Registrované v: WOS

15. [1.1] JOHNSON, Mark - MAITRE, Daniel. Strong coupling constant extraction from high-multiplicity Z plus jets observables. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 054013., Registrované v: WOS

16. [1.1] KANG, Zhong-Bo - VITEV, Ivan - XING, Hongxi. Vector-boson-tagged jet production in heavy ion collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 1, art. no. 014912., Registrované v: WOS

17. [1.1] KRAUSS, Frank - NAPOLETANO, Davide - SCHUMANN, Steffen. Simulating b-associated production of Z and Higgs bosons with the SHERPA event generator. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 036012., Registrované v: WOS

18. [1.1] OCALAN, K. Precise calculation of differential cross sections for the Z boson plus jets production in proton-proton collisions at a center-of-mass energy of 13 TeV. In TURKISH JOURNAL OF PHYSICS. ISSN 1300-0101, 2019, vol. 43, no. 5, p. 431-441., Registrované v: WOS

19. [1.1] SAPETA, Sebastian. QCD and jets at hadron colliders. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 89, pp. 1-55., Registrované v: WOS

20. [1.1] SCHOENHERR, Marek. Recent developments in Monte-Carlo Event Generators. In XLV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2015). ISSN 2100-014X, 2016, vol. 120, art. no. UNSP 05002., Registrované v: WOS

ADCA500 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of the production cross section of three isolated photons in pp collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. In *Physics Letters B*, 2018, vol. 781, p. 55-76. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na:
<https://doi.org/10.1016/j.physletb.2018.03.057>

Ohlasy:

1. [1.1] ABOUBRAHIM, Amin - NATH, Pran. Naturalness, the hyperbolic branch, and prospects for the observation of charged Higgs bosons at high luminosity LHC and 27 TeV LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095024., Registrované v: WOS

2. [1.1] AKEROYD, A. G. - MORETTI, Stefano - SONG, Muyuan. Light charged Higgs boson with dominant decay to quarks and its search at the LHC and future colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018,

vol. 98, no. 11, art. no. 115024., Registrované v: WOS

3. [1.1] DENIZLI, H. - OYULMAZ, K.Y. - SENOL, A. Testing for observability of Higgs effective couplings in triphoton production at FCC-hh. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, OCT 2019, vol. 46, no. 10., Registrované v: WOS

4. [1.1] GONCALVES, Dorival - NAKAMURA, Junya. Role of the Z polarization in the $H \rightarrow b(b)\bar{b}$ measurement. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 093005., Registrované v: WOS

5. [1.1] HALL, Zachary - THALER, Jesse. Photon isolation and jet substructure. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 164., Registrované v: WOS

6. [1.1] CHAUDHRY, H.A. - CZAKON, M. - MITOV, A. - PONCELET, R. NNLO QCD corrections to three-photon production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 10 2020, no. 2., Registrované v: WOS

7. [1.1] CHICHERIN, D. - SOTNIKOV, V. Pentagon functions for scattering of five massless particles. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 28 2020, no. 12., Registrované v: WOS

8. [1.1] PONCELET, R. NNLO QCD CALCULATIONS WITH THE SECTOR-IMPROVED RESIDUE SUBTRACTION SCHEME. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2020, vol. 51, no. 6, p. 1503-1514., Registrované v: WOS

9. [1.1] TUCHMING, Boris. Long-sought decay of the Higgs boson seen. In NATURE. ISSN 0028-0836, 2018, vol. 564, no. 7734, pp. 46-47., Registrované v: WOS

10. [1.1] TUNING, Niels. A machine of superlatives. In NATURE PHYSICS. ISSN 1745-2473, 2018, vol. 14, no. 12, pp. 1151-1153., Registrované v: WOS

ADCA501 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the production cross section for W-bosons in association with jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *Physics Letters B*, 2011, vol. 698, no. 5, p. 325-345. (2010: 5.255 - IF, Q1 - JCR, 3.103 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2011>

Ohlasy:

1. [1.1] ANGER, F. R. - CORDERO, F. Febres - HOCHÉ, S. - MAITRE, D. Weak vector boson production with many jets at the LHC $\sqrt{s}=13$ TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 096010., Registrované v: WOS

2. [1.1] KALLWEIT, S. - LINDERT, J. M. - MAIERHOEFER, P. - POZZORINI, S. - SCHOENHERR, M. NLO electroweak automation and precise predictions for W plus multijet production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 012., Registrované v: WOS

3. [1.1] KALLWEIT, S. - LINDERT, J. M. - MAIERHOEFER, P. - POZZORINI, S. - SCHOENHERR, M. NLO QCD plus EW predictions for V plus jets including off-shell vector-boson decays and multijet merging. In

ADCA502 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the production cross section for Z/γ^* in association with jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2012, vol. 85, no. 3, art. no. 032009. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.85.032009>

Ohlasy:

1. [1.1] ANGER, F. R. - CORDERO, F. Febres - HOCHÉ, S. - MAITRE, D. Weak vector boson production with many jets at the LHC $\sqrt{s}=13$ TeV. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 096010., Registrované v: WOS
2. [1.1] BERN, Z. - DIXON, L. J. - FEBRES CORDERO, F. - HOCHÉ, S. - ITA, H. - KOSOWER, D. A. - MAITRE, D. Extrapolating W-associated jet-production ratios at the LHC. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 014008., Registrované v: WOS
3. [1.1] JOHNSON, Mark - MAITRE, Daniel. Strong coupling constant extraction from high-multiplicity Z plus jets observables. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 054013., Registrované v: WOS
4. [1.1] OČALAN, K. Precise calculation of differential cross sections for the Z boson plus jets production in proton-proton collisions at a center-of-mass energy of 13 TeV. In *TURKISH JOURNAL OF PHYSICS*. ISSN 1300-0101, 2019, vol. 43, no. 5, p. 431-441., Registrované v: WOS

ADCA503 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the production cross-section of a single top quark in association with a W boson at 8 TeV with the ATLAS experiment. In *Journal of High Energy Physics*, 2016, vol. 2016, no. 1, art. no. 064. (2015: 6.023 - IF, Q1 - JCR, 1.343 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP01\(2016\)064](https://doi.org/10.1007/JHEP01(2016)064)

Ohlasy:

1. [1.1] ALVAREZ, Ezequiel - DA ROLD, Leandro - ESTEVEZ, Mariel - KAMENIK, Jernej F. Measuring vertical bar V-td vertical bar at the LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 033002., Registrované v: WOS
2. [1.1] BOTHMANN, Enrico - KRAUSS, Frank - SCHONHERR, Marek. Single top-quark production with SHERPA. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 220., Registrované v: WOS
3. [1.1] BRIVIO, I. - BRUGGESSER, S. - MALTONI, F. - MOUTAFIS, R. - PLEHN, T. - VRYONIDOU, E. - WESTHOFF, S. - ZHANG, C. O new physics, where art thou? A global search in the top sector. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, FEB 24 2020, no. 2., Registrované

v: WOS

4. [1.1] BRIVIO, I. - TROTT, M. The standard model as an effective field theory. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, FEB 27 2019, vol. 793, p. 1-98., Registrované v: WOS

5. [1.1] CLERBAUX, B. - FANG, W.X. - GIAMMANCO, A. - GOLDOUZIAN, R. Model-independent constraints on the CKM matrix elements vertical bar V-tb vertical bar, vertical bar V-ts vertical bar and vertical bar V-td vertical bar. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 5 2019, no. 3., Registrované v: WOS

6. [1.1] HARTLAND, N.P. - MALTONI, F. - NOCERA, E.R. - ROJO, J. - SLADE, E. - VRYONIDOU, E. - ZHANG, C. A Monte Carlo global analysis of the Standard Model Effective Field Theory: the top quark sector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 15 2019, no. 4., Registrované v: WOS

7. [1.1] JUEID, Adil. Probing anomalous Wtb couplings at the LHC in single t-channel top quark production. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 053006., Registrované v: WOS

ADCA504 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of the production cross-section of a single top quark in association with a Z boson in proton-proton collisions at 13 TeV with the ATLAS detector. In *Physics Letters B*, 2018, vol. 780, p. 557-577. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.03.023>

Ohlasy:

1. [1.1] BRIVIO, I. - BRUGGISSER, S. - MALTONI, F. - MOUTAFIS, R. - PLEHN, T. - VRYONIDOU, E. - WESTHOFF, S. - ZHANG, C. O new physics, where art thou? A global search in the top sector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 24 2020, no. 2., Registrované v: WOS

2. [1.1] BROWN, S. - ENGLERT, C. - GALLER, P. - STYLIANOU, P. Electroweak top couplings, partial compositeness, and top partner searches. In PHYSICAL REVIEW D. ISSN 1550-7998, OCT 19 2020, vol. 102, no. 7., Registrované v: WOS

3. [1.1] DEGRANDE, Celine - MALTONI, Fabio - MIMASU, Ken - VRYONIDOU, Eleni - ZHANG, Cen. Single-top associated production with a Z or H boson at the LHC: the SMEFT interpretation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 005., Registrované v: WOS

4. [1.1] FRANZOSI, D.B. - MATTELAER, O. - RUIZ, R. - SHIL, S. Automated predictions from polarized matrix elements. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 15 2020, no. 4., Registrované v: WOS

5. [1.1] HARTLAND, N.P. - MALTONI, F. - NOCERA, E.R. - ROJO, J. - SLADE, E. - VRYONIDOU, E. - ZHANG, C. A Monte Carlo global analysis of the Standard Model Effective Field Theory: the top quark sector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 15 2019, no.

4., Registrované v: WOS

6. [1.1] KHANPOUR, H. Probing top quark FCNC couplings in the triple-top signal at the high energy LHC and future circular collider. In NUCLEAR PHYSICS B. ISSN 0550-3213, SEP 2020, vol. 958., Registrované v: WOS

7. [1.1] MALTONI, F. - MANTANI, L. - MIMASU, K. Top-quark electroweak interactions at high energy. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 3 2019, no. 10., Registrované v: WOS

8. [1.1] PAGANI, D. - TSINIKOS, I. - VRYONIDOU, E. NLO QCD plus EW predictions for tH_j and tZ_j production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 19 2020, no. 8., Registrované v: WOS

9. [1.1] PRIYANKA - RANJAN, K. - BHARDWAJ, A. Single-Top Quark Production at CMS. In UNIVERSE. JAN 2019, vol. 5, no. 1., Registrované v: WOS

ADCA505 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the production cross-section of $\psi(2S) - J/\psi(-\mu(+)\mu(-))\pi(+)\pi(-)$ in pp collisions at $\sqrt{s}=7$ TeV at ATLAS. In *Journal of High Energy Physics*, 2014, vol. 2014, no. 9, art. no. 079. (2013: 6.220 - IF, Q1 - JCR, 1.173 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1029-8479.

Ohlasy:

1. [1.1] DE VRIES, Kees Jan. SUSY fits with full LHC Run I data. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 528-534., Registrované v: WOS

2. [1.1] MARZANI, Simone. Combining $Q(T)$ and small- x resummations. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 054047., Registrované v: WOS

ADCA506 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the production of a W boson in association with a charm quark in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2014, vol. 2014, no. 5, art. no. 068. (2013: 6.220 - IF, Q1 - JCR, 1.173 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP05\(2014\)068](https://doi.org/10.1007/JHEP05(2014)068)

Ohlasy:

1. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS

2. [1.1] FAURA, F. - IRANIPOUR, S. - NOCERA, E.R. - ROJO, J. - UBIALI, M. The strangest proton?. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 19 2020, vol. 80, no. 12., Registrované v: WOS

3. [1.1] GAULD, R. - RIDDER, A.G.D. - GLOVER, E.W.N. - HUSS, A. - MAJER, I. Predictions for Z-Boson Production in Association with a b-Jet at $O(\alpha^3(s))$. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, NOV 25 2020, vol. 125, no. 22., Registrované v: WOS

4. [1.1] SAMPSONIDOU, Despoina. Precise determination of the muon

reconstruction efficiency in ATLAS at Run-II. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 08006., Registrované v: WOS

5. [1.1] SATO, N. - ANDRES, C. - ETHIER, J.J. - MELNITCHOUK, W. Strange quark suppression from a simultaneous Monte Carlo analysis of parton distributions and fragmentation functions. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 17 2020, vol. 101, no. 7., Registrované v: WOS

6. [1.1] WEI, Hua-Rong - LIU, Fu-Hu. A Study of Transverse Momentum Distributions of Jets Produced in p-p, p-(p)over-bar, d-Au, Au-Au, and Pb-Pb Collisions at High Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 263135., Registrované v: WOS

ADCA507 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Measurement of the production of high-p(T) electrons from heavy-flavour hadron decays in Pb-Pb collisions at root s(NN)=2.76 TeV. In *Physics Letters B*, 2017, vol. 771, p. 467-481. (2016: 4.807 - IF, Q1 - JCR, 3.032 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2017.05.060>

Ohlasy:

1. [1.1] BUSZA, Wit - RAJAGOPAL, Krishna - VAN DER SCHEE, Wilke. Heavy Ion Collisions: The Big Picture and the Big Questions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 68. ISSN 0163-8998, 2018, vol. 68, pp. 339-376., Registrované v: WOS

2. [1.1] DONG, Xin - GRECO, Vincenzo. Heavy quark production and properties of Quark-Gluon Plasma. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 104, pp. 97-141., Registrované v: WOS

3. [1.1] FERREIRA, Marcio - COSTA, Pedro - PROVIDENCIA, Constanca. Presence of a critical endpoint in the QCD phase diagram from the net-baryon number fluctuations. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 034006., Registrované v: WOS

4. [1.1] GAO, Y. - ZHENG, H. - ZHU, L. L. - BONASERA, A. Description of charged particle pseudorapidity distributions in Pb plus Pb collisions with Tsallis thermodynamics. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 10, art. no. 197., Registrované v: WOS

5. [1.1] SHI, Shuzhe - LIAO, Jinfeng - GYULASSY, Miklos. Global constraints from RHIC and LHC on transport properties of QCD fluids in CUJET/CIBJET framework. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 4., Registrované v: WOS

6. [1.1] SCHULZ, P. - WOLSCHIN, G. Diffusion-model analysis of pPb and PbPb collisions at LHC energies. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2018, vol. 33, no. 17, art. no. 1850098., Registrované v: WOS

ADCA508 ACHARYA, S. - ADAMOVÁ, D. - ADHYA, S.P. - ADLER, A. - ADOLFSSON, J. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Measurement of the production of charm jets tagged with D-0 mesons in pp collisions at root s=7 TeV. In *Journal of High Energy Physics*, 2019, no. 8, art. no. 133. (2018: 5.833 - IF, Q1 - JCR, 1.016 - SJR, Q1 -

SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP08\(2019\)133](https://doi.org/10.1007/JHEP08(2019)133)

Ohlasy:

1. [1.1] ARTEM, I. Heavy flavor jets in ALICE. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, NOV 2020, vol. 29, no. 11, SI., Registrované v: WOS
2. [1.1] KANG, Z.B. - LEE, K. - ZHAO, F.Y. Polarized jet fragmentation functions. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS

ADCA509 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the production of neighbouring jets in lead-lead collisions at $\sqrt{s(NN)}=2.76\text{TeV}$ with the ATLAS detector. In *Physics Letters B*, 2015, vol. 751, p. 376-395. (2014: 6.131 - IF, Q1 - JCR, 3.562 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2015.10.059>

Ohlasy:

1. [1.1] BREWER, Jasmine - RAJAGOPAL, Krishna - SADOBYEV, Andrey - VAN DER SCHEE, Wilke. Evolution of the mean jet shape and dijet asymmetry distribution of an ensemble of holographic jets in strongly coupled plasma. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 015., Registrované v: WOS
2. [1.1] CASALDERRY-SOLANA, Jorge - GULHAN, Doga Can - MILHANO, Jose Guilherme - PABLOS, Daniel - RAJAGOPAL, Krishna. Angular structure of jet quenching within a hybrid strong/weak coupling model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 135., Registrované v: WOS
3. [1.1] HULCHER, Zachary - PABLOS, Daniel - RAJAGOPAL, Krishna. Resolution effects in the hybrid strong/weak coupling model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 010., Registrované v: WOS
4. [1.1] VAN DER SCHEE, Wilke. Early hydrodynamisation, energy loss and small systems in holographic heavy ion collisions. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 07023., Registrované v: WOS

ADCA510 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Measurement of the prompt J/psi pair production cross-section in pp collisions at $\sqrt{s}=8\text{TeV}$ with the ATLAS detector. In *European Physical Journal C*, 2017, vol. 77, no. 2, art. no. 76. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-017-4644-9>

Ohlasy:

1. [1.1] ALVIOLI, M. - AZARKIN, M. - BLOK, B. - STRIKMAN, M. Revealing minijet dynamics via centrality dependence of double parton interactions in proton-nucleus collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 8 2019, vol. 79, no. 6., Registrované v: WOS

2. [1.1] BABIARZ, I. - SCHAFER, W. - SZCZUREK, A. Associated production of $\chi(c)$ pairs with a gluon in the collinear-factorization approach. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 12 2019, vol. 99, no. 7., Registrované v: WOS
3. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
4. [1.1] CISEK, Anna - SCHAEFER, Wolfgang - SZCZUREK, Antoni. Production of $\chi(c)$ pairs with large rapidity separation in $k(T)$ factorization. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 114018., Registrované v: WOS
5. [1.1] DEBASTIANI, V.R. - NAVARRA, F.S. A non-relativistic model for the $[cc][\bar{c}\bar{c}]$ tetraquark. In CHINESE PHYSICS C. ISSN 1674-1137, JAN 2019, vol. 43, no. 1., Registrované v: WOS
6. [1.1] DEB, S. - THAKUR, D. - DE, S. - SAHOO, R. Multiplicity dependence of J/ψ production and QCD dynamics in p plus p collisions at $\sqrt{s}=13$ TeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, MAY 19 2020, vol. 56, no. 5., Registrované v: WOS
7. [1.1] DIEHL, M. - GAUNT, J.R. - PLOSSL, P. - SCHAFER, A. Two-loop splitting in double parton distributions. In SCIPOST PHYSICS. ISSN 2542-4653, AUG 2019, vol. 7, no. 2., Registrované v: WOS
8. [1.1] DIEHL, M. - GAUNT, J.R. - LANG, D.M. - PLOSSL, P. - SCHAFER, A. Sum rule improved double parton distributions in position space. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 25 2020, vol. 80, no. 5., Registrované v: WOS
9. [1.1] FEDKEVYCH, O. - LONNBLAD, L. Four-jet double parton scattering production in proton-nucleus collisions within the PYTHIA8 framework. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 17 2020, vol. 102, no. 1., Registrované v: WOS
10. [1.1] FORTE, S. - LEVY, A. - RIDOLFI, G. From My Vast Repertoire ... Guido Altarelli's Legacy Preface. In FROM MY VAST REPERTOIRE ... : GUIDO ALTARELLI'S LEGACY. 2019, p. V-+., Registrované v: WOS
11. [1.1] GONCALVES, V.P. - DA SILVA, R.P. Exclusive and diffractive quarkonium-pair production at the LHC and FCC. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 21 2020, vol. 101, no. 3., Registrované v: WOS
12. [1.1] GOTSMAN, E. - LEVIN, E. Double parton interaction: The values of $\sigma(\text{eff})$. In PHYSICS LETTERS B. ISSN 0370-2693, APR 10 2020, vol. 803., Registrované v: WOS
13. [1.1] HE, Zhi-Guo - KNIEHL, Bernd A. - WANG, Xiang-Peng. Breakdown of Nonrelativistic QCD Factorization in Processes Involving Two Quarkonia and its Cure. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 17, art. no. 172001., Registrované v: WOS
14. [1.1] HE, Z.G. - KNIEHL, B.A. - NEFEDOV, M.A. - SALEEV, V.A. Double Prompt J/ψ Hadroproduction in the Parton Reggeization Approach with High-Energy Resummation. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, OCT 17 2019, vol. 123, no. 16., Registrované v: WOS
15. [1.1] HUAYRA, E. - DE OLIVEIRA, E.G. - PASECHNIK, R.

Probing double parton scattering via associated open charm and bottom production in ultraperipheral pA collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 2019, vol. 79, no. 10., Registrované v: WOS

16. [1.1] KUMAR, Vineet - SHUKLA, Prashant. Charmonia production in p plus p collisions under NRQCD formalism. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 8, art. no. 085003., Registrované v: WOS

17. [1.1] LANSBERG, Jean-Philippe - PISANO, Cristian - SCARPA, Florent - SCHLEGEL, Marc. Pinning down the linearly-polarised gluons inside unpolarised protons using quarkonium-pair production at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 784, pp. 217-222., Registrované v: WOS

18. [1.1] LANSBERG, Jean-Philippe - SHAO, Hua-Sheng - YAMANAKA, Nodoka. Indication for double parton scatterings in W plus prompt J/psi production at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 781, pp. 485-491., Registrované v: WOS

19. [1.1] LANSBERG, J.P. - PISANO, C. - SCARPA, F. - SCHLEGEL, M. Pinning down the linearly-polarised gluons inside unpolarised protons using quarkonium-pair production at the LHC (vol 784, pg 217, 2018). In PHYSICS LETTERS B. ISSN 0370-2693, APR 10 2019, vol. 791, p. 420-421., Registrované v: WOS

20. [1.1] LANSBERG, J.P. - SHAO, H.S. - YAMANAKA, N. - ZHANG, Y.J. Prompt J/psi-pair production at the LHC: impact of loop-induced contributions and of the colour-octet mechanism. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 2019, vol. 79, no. 12., Registrované v: WOS

21. [1.1] LANSBERG, J.P. - SHAO, H.S. - YAMANAKA, N. - ZHANG, Y.J. - NOUS, C. Complete NLO QCD study of single- and double-quarkonium hadroproduction in the colour-evaporation model at the Tevatron and the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, AUG 10 2020, vol. 807., Registrované v: WOS

22. [1.1] LI, G. - PAN, X.A. - SONG, M. - ZHANG, Y. Prompt J/psi production in association with a top quark pair at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 18 2019, vol. 100, no. 7., Registrované v: WOS

23. [1.1] MACIULA, Rafal - SZCZUREK, Antoni. Double-parton scattering effects in associated production of charm mesons and dijets at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074013., Registrované v: WOS

24. [1.1] MONDAL, C. - MUKHERJEE, A. - NAIR, S. Double parton distributions for a positroniumlike bound state using light-front wave functions. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 1 2019, vol. 100, no. 9., Registrované v: WOS

25. [1.1] RINALDI, Matteo - CECCOPIERI, Federico Alberto. Hadronic structure from double parton scattering. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 071501., Registrované v: WOS

26. [1.1] SCARPA, F. - BOER, D. - ECHEVARRIA, M.G. - LANSBERG, J.P. - PISANO, C. - SCHLEGEL, M. Studies of gluon TMDs and their evolution using quarkonium-pair production at the LHC. In EUROPEAN

PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 4 2020, vol. 80, no. 2.,
Registrované v: WOS

27. [1.1] SHAO, H.S. Probing impact-parameter dependent nuclear
parton densities from double parton scatterings in heavy-ion collisions. In
PHYSICAL REVIEW D. ISSN 2470-0010, MAR 26 2020, vol. 101, no. 5.,
Registrované v: WOS

28. [1.1] SHAO, H.S. - ZHANG, Y.J. Triple Prompt J/psi
Hadroproduction as a Hard Probe of Multiple-Parton Scatterings. In PHYSICAL
REVIEW LETTERS. ISSN 0031-9007, MAY 14 2019, vol. 122, no. 19.,
Registrované v: WOS

29. [1.1] SCHAFER, W. Production of quarkonium pairs in high-energy
proton-proton collisions. In MESON 2018 - 15TH INTERNATIONAL
WORKSHOP ON MESON PHYSICS. ISSN 2100-014X, 2019, vol. 199.,
Registrované v: WOS

30. [1.1] SCHAFER, W. - BABIARZ, I. - CISEK, A. - SZCZUREK, A.
RECENT RESULTS ON INCLUSIVE QUARKONIUM PAIR PRODUCTION
IN PROTON-PROTON COLLISIONS. In UKRAINIAN JOURNAL OF
PHYSICS. ISSN 2071-0186, 2019, vol. 64, no. 8, p. 750-753., Registrované v:
WOS

31. [1.1] SCHMIDT, I. - SIDDIKOV, M. Contribution of digluons to
charmonia production. In JOURNAL OF PHYSICS G-NUCLEAR AND
PARTICLE PHYSICS. ISSN 0954-3899, JUN 2019, vol. 46, no. 6., Registrované
v: WOS

32. [1.1] SZCZUREK, Antoni - CISEK, Anna - SCHAFER, Wolfgang.
SOME NEW ASPECTS OF QUARKONIA PRODUCTION AT THE LHC. In
ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 6, pp.
1207-1224., Registrované v: WOS

33. [1.1] VAN EPPS, Puja - KALAYJIAN, Robert C. Human
Immunodeficiency Virus and Aging in the Era of Effective Antiretroviral
Therapy. In INFECTIOUS DISEASE CLINICS OF NORTH AMERICA. ISSN
0891-5520, 2017, vol. 31, no. 4, pp. 791-+, Registrované v: WOS

34. [1.1] WANG, Zhi-Gang. Analysis of the $Q\bar{Q}(Q)\text{over-bar}$
($Q\text{over-bar}$) tetraquark states with QCD sum rules. In EUROPEAN PHYSICAL
JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 7, art. no. 432., Registrované
v: WOS

ADCA511 AARON, F.D. - BRUNCKO, Dušan - FERENCEI, Jozef - MURÍN, Pavol -
TOMASZ, Filip. Measurement of the proton structure function $F(L)(x, Q(2))$ at low
 x . In *Physics Letters B*, 2008, vol. 665, no. 4, p. 139-146. (2007: 4.189 - IF, Q1 -
JCR, 3.067 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents,
WOS, SCOPUS). ISSN 0370-2693. Dostupné na:
<https://doi.org/10.1016/j.physletb.2008.05.070>

Ohlasy:

1. [1.1] BALL, Richard D. - BERTONE, Valerio - CARRAZZA,
Stefano - DEANS, Christopher S. - DEL DEBBIO, Luigi - FORTE, Stefano -
GUFFANTI, Alberto - HARTLAND, Nathan P. - LATORRE, Jose I. - ROJO,
Juan - UBIALI, Maria. Parton distributions for the LHC run II. In JOURNAL OF
HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 040.,
Registrované v: WOS

2. [1.1] BOROUN, G. R. Top structure function at the LHeC. In

PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 741, pp. 197-201.,
Registrované v: WOS

3. [1.1] BOROUN, G. R. - REZAEI, B. The behavior of the heavy quarks structure functions at small-x. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2015, vol. 24, no. 8, art. no. 1550063., Registrované v: WOS

4. [1.1] HARLAND-LANG, L. A. - MARTIN, A. D. - MOTYLINSKI, P. - THORNE, R. S. Parton distributions in the LHC era: MMHT 2014 PDFs. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 204., Registrované v: WOS

5. [1.1] HARLAND-LANG, L. A. - MARTIN, A. D. - MOTYLINSKI, P. - THORNE, R. S. Updates of PDFs for the 2nd LHC run. In DIFFRACTION 2014: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2015, vol. 1654, art. no. UNSP 030001., Registrované v: WOS

ADCA512 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the pseudorapidity and transverse momentum dependence of the elliptic flow of charged particles in lead-lead collisions at $\sqrt{s(NN)}=2.76$ TeV with the ATLAS detector. In *Physics Letters B*, 2012, vol. 707, no. 3-4, p. 330-348. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na:
<https://doi.org/10.1016/j.physletb.2011.12.056>

Ohlasy:

1. [1.1] ANDRES, C. - ARMESTO, N. - NIEMI, H. - PAATELAINEN, R. - SALGADO, C.A. Jet quenching as a probe of the initial stages in heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, APR 10 2020, vol. 803., Registrované v: WOS

2. [1.1] ARMESTO, Nestor - SCOMPARIN, Enrico. Heavy-ion collisions at the Large Hadron Collider: A review of the results from Run 1. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2016, vol. 131, no. 3, art. no. 52., Registrované v: WOS

3. [1.1] BALDO, M. - BURGIO, G. F. The nuclear symmetry energy. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 91, pp. 203-258., Registrované v: WOS

4. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS

5. [1.1] BAUTISTA, I. - PAJARES, C. - RAMIREZ, J.E. String percolation in AA and p plus p collisions. In REVISTA MEXICANA DE FISICA. ISSN 0035-001X, MAY-JUN 2019, vol. 65, no. 3, p. 197-223., Registrované v: WOS

6. [1.1] BEGUN, Viktor - KIKOLA, Daniel - VOYCHENKO, Volodymyr - WIELANEK, Daniel. Estimation of the freeze-out parameters reachable in a fixed-target experiment at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034905., Registrované v: WOS

7. [1.1] BETZ, Barbara - SENZEL, Florian - GREINER, Carsten -

GYULASSY, Miklos. Constraints on the Jet-Medium Coupling from Measurements at RHIC and LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 276, pp. 349-352., Registrované v: WOS

8. [1.1] BETZ, Barbara. Jet Tomography in Heavy-Ion Collisions-Challenges, Results, and Open Problems. In NEW HORIZONS IN FUNDAMENTAL PHYSICS, 2017, pp. 199-208., Registrované v: WOS

9. [1.1] BHALERAO, Rajeev S. - OLLITRAULT, Jean-Yves - PAL, Subrata - TEANEY, Derek. Principal Component Analysis of Event-by-Event Fluctuations. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 15, art. no. 152301., Registrované v: WOS

10. [1.1] BRAUN, M. A. - DE DEUS, J. Dias - HIRSCH, A. S. - PAJARES, C. - SCHARENBERG, R. P. - SRIVASTAVA, B. K. De-confinement and clustering of color sources in nuclear collisions. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2015, vol. 599, pp. 1-50., Registrované v: WOS

11. [1.1] BRAVINA, L. V. - FOTINA, E. S. - KOROTKIKH, V. L. - LOKHTIN, I. P. - MALININA, L. V. - NAZAROVA, E. N. - PETRUSHANKO, S. V. - SNIGIREV, A. M. - ZABRODIN, E. E. Anisotropic flow fluctuations in hydro-inspired freeze-out model for relativistic heavy ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 12, art. no. 588., Registrované v: WOS

12. [1.1] BREHM, E. Heavy quarks in strongly coupled non-conformal plasmas with anisotropy. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 25 2019, no. 6., Registrované v: WOS

13. [1.1] BREWER, Jasmine - RAJAGOPAL, Krishna - SADOBYEV, Andrey - VAN DER SCHEE, Wilke. Evolution of the mean jet shape and dijet asymmetry distribution of an ensemble of holographic jets in strongly coupled plasma. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 015., Registrované v: WOS

14. [1.1] BRUNO, Mattia - CASELLE, Michele - PANERO, Marco - PELLEGRINI, Roberto. Exceptional thermodynamics: the equation of state of $G(2)$ gauge theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 3, art. no. 057., Registrované v: WOS

15. [1.1] BZDAK, A. - ESUMI, S. - KOCH, V. - LIAO, J.F. - STEPHANOV, M. - XU, N. Mapping the phases of quantum chromodynamics with beam energy scan. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, APR 13 2020, vol. 853, p. 1-87., Registrované v: WOS

16. [1.1] CAO, Shanshan - LUO, Tan - QIN, Guang-You - WANG, Xin-Nian. Linearized Boltzmann transport model for jet propagation in the quark-gluon plasma: Heavy quark evolution. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 1, art. no. 014909., Registrované v: WOS

17. [1.1] CARRAZZA, Stefano - FREDERIX, Rikkert - HAMILTON, Keith - ZANDERIGHI, Giulia. MINLO t-channel single-top plus jet. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 108., Registrované v: WOS

18. [1.1] CASALDERRY-SOLANA, Jorge - GULHAN, Doga Can - MILHANO, Jose Guilherme - PABLOS, Daniel - RAJAGOPAL, Krishna. Angular structure of jet quenching within a hybrid strong/weak coupling model.

In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 135., Registrované v: WOS

19. [1.1] CASTILHO, Wagner M. - QIAN, Wei-Liang - GARDIM, Fernando G. - HAMA, Yojiro - KODAMA, Takeshi. Hydrodynamic approach to the centrality dependence of di-hadron correlations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 064908., Registrované v: WOS

20. [1.1] CIRKOVIC, P. - DEVETAK, D. - DORDEVIC, M. - MILOSEVIC, J. - STOJANOVIC, M. Sub-leading flow modes in PbPb collisions at $\sqrt{s(NN)}=2.76$ TeV from the HYDJET plus plus model. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 7, art. no. 074001., Registrované v: WOS

21. [1.1] CIRKOVIC, P. - MILOSEVIC, J. - NADDERD, L. - WANG, F. - ZHU, X. Skewness of the elliptic flow distribution in $\sqrt{s(NN)}=5.02$ TeV PbPb collisions from the HYDJET plus plus model. In PHYSICAL REVIEW C. ISSN 2469-9985, MAR 12 2020, vol. 101, no. 3., Registrované v: WOS

22. [1.1] DAS, Sruthy Jyothi - GIACALONE, Giuliano - MONARD, Pierre-Amaury - OLLITRAULT, Jean-Yves. Relating centrality to impact parameter in nucleus-nucleus collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 1, art. no. 014905., Registrované v: WOS

23. [1.1] DEMARTIN, Federico - MAIER, Benedikt - MALTONI, Fabio - MAWATARI, Kentarou - ZARO, Marco. tWH associated production at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 1, art. no. 34., Registrované v: WOS

24. [1.1] DORDEVIC, M. - MILOSEVIC, J. - NADDERD, L. - STOJANOVIC, M. - WANG, F. - ZHU, X. Correlations between azimuthal anisotropy Fourier harmonics in PbPb collisions at $\sqrt{s(NN)}=2.76$ TeV in the HYDJET plus plus model and in the multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 10 2020, vol. 101, no. 1., Registrované v: WOS

25. [1.1] DUSLING, Kevin - LI, Wei - SCHENKE, Bjoern. Novel collective phenomena in high-energy proton-proton and proton-nucleus collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 1, art. no. 1630002., Registrované v: WOS

26. [1.1] EWERZ, Carlo - KACZMAREK, Olaf - SAMBERG, Andreas. Free energy of a heavy quark-antiquark pair in a thermal medium from AdS/CFT. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 088., Registrované v: WOS

27. [1.1] FREDERIX, R. - FRIXIONE, S. - PAPANASTASIOU, A. S. - PRESTEL, S. - TORRIELLI, P. Off-shell single-top production at NLO matched to parton showers. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 6, art. no. 027., Registrované v: WOS

28. [1.1] GIACALONE, Giuliano - NORONHA-HOSTLER, Jacquelyn - LUZUM, Matthew - OLLITRAULT, Jean-Yves. Hydrodynamic predictions for 5.44 TeV Xe+Xe collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034904., Registrované v: WOS

29. [1.1] HATTA, Yoshitaka - MONNAI, Akihiko - XIAO, Bo-Wen. Flow harmonics $v(n)$ at finite density. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 114010., Registrované v: WOS

30. [1.1] HOROWITZ, W. A. Fluctuating heavy quark energy loss in a

- strongly coupled quark-gluon plasma. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 8, art. no. 085019., Registrované v: WOS
31. [1.1] HULCHER, Zachary - PABLOS, Daniel - RAJAGOPAL, Krishna. Resolution effects in the hybrid strong/weak coupling model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 010., Registrované v: WOS
32. [1.1] CHEN, Ya-Hui - LIU, Fu-Hu. Event patterns extracted from anisotropic spectra of charged particles produced in Pb-Pb collisions at 2.76 TeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 11, art. no. 230., Registrované v: WOS
33. [1.1] CHRISTIANSEN, Peter. High p(T) spectra and anisotropy of light and heavy hadrons. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 42-46., Registrované v: WOS
34. [1.1] JIANG, Z. J. - DENG, H. P. - HUANG, Y. A Universal Description of Pseudorapidity Distributions in Both Nucleus-Nucleus and p-p Collisions at Currently Available Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 5308084., Registrované v: WOS
35. [1.1] KOROTKIKH, V. L. - ZABRODIN, E. E. Parton-medium cross-section and average QGP viscosity in lead-lead collisions at the LHC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 11, art. no. 115102., Registrované v: WOS
36. [1.1] LIU, F-H - LAO, H-L. Blast-wave revision of the multisource thermal model in nucleus-nucleus collisions. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, 2016, vol. 90, no. 9, pp. 1077-1085., Registrované v: WOS
37. [1.1] LOIZIDES, Constantin. Experimental overview on small collision systems at the LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 200-207., Registrované v: WOS
38. [1.1] MEHRABPOUR, H. Systematic analysis of flow distributions. In PHYSICAL REVIEW C. ISSN 2469-9985, DEC 11 2020, vol. 102, no. 6., Registrované v: WOS
39. [1.1] MEHRABPOUR, H. - TAGHAVI, S.F. Non-Bessel-Gaussianity and flow harmonic fine-splitting. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 29 2019, vol. 79, no. 1., Registrované v: WOS
40. [1.1] MONNAI, Akihiko. Effective distributions of quasiparticles for thermal photons. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 92, no. 1, art. no. 014905., Registrované v: WOS
41. [1.1] MONNAI, Akihiko. Off-equilibrium corrections to energy and conserved charge densities in the relativistic fluid in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034902., Registrované v: WOS
42. [1.1] MONNAI, A. Landau and Eckart frames for relativistic fluids in nuclear collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, JUL 8 2019, vol. 100, no. 1., Registrované v: WOS
43. [1.1] MONNAI, A. Medium-induced optical effects for prompt photons. In NUCLEAR PHYSICS A. ISSN 0375-9474, MAR 2020, vol. 995., Registrované v: WOS
44. [1.1] NASIM, Md. - MOHANTY, Bedangadas. Systematic study of the elliptic flow parameter using a transport approach. In INTERNATIONAL

- JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2015, vol. 24, no. 4, art. no. 1550027., Registrované v: WOS
45. [1.1] NEUMANN, T. - SULLIVAN, Z. Off-shell single-top-quark production in the Standard Model Effective Field Theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 7 2019, no. 6., Registrované v: WOS
46. [1.1] NORONHA, Jorge. Towards a quantitative understanding of high p(T) flow harmonics. In WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS (HOT QUARKS 2016). ISSN 1742-6588, 2017, vol. 832, art. no. UNSP 012002., Registrované v: WOS
47. [1.1] NORONHA-HOSTLER, Jacquelyn - BETZ, Barbara - NORONHA, Jorge - GYULASSY, Miklos. Event-by-Event Hydrodynamics plus Jet Energy Loss: A Solution to the R-AA circle times v(2) Puzzle. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 25, art. no. 252301., Registrované v: WOS
48. [1.1] NORONHA-HOSTLER, Jacquelyn. Jet modifications in event-by-event hydrodynamically evolving media. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 161-168., Registrované v: WOS
49. [1.1] PANG, Long-Gang - PETERSEN, Hannah - QIN, Guang-You - ROY, Victor - WANG, Xin-Nian. Longitudinal fluctuations and decorrelation of anisotropic flow. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 272-275., Registrované v: WOS
50. [1.1] PANG, Long-Gang - PETERSEN, Hannah - QIN, Guang-You - ROY, Victor - WANG, Xin-Nian. Decorrelation of anisotropic flow along the longitudinal direction. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 4, art. no. 97., Registrované v: WOS
51. [1.1] PANG, Long-Gang - QIN, Guang-You - ROY, Victor - WANG, Xin-Nian - MA, Guo-Liang. Longitudinal decorrelation of anisotropic flows in heavy-ion collisions at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 91, no. 4, art. no. 044904., Registrované v: WOS
52. [1.1] PEROVIC, Slobodan. Experimenter's regress argument, empiricism, and the calibration of the large hadron collider. In SYNTHESE. ISSN 0039-7857, 2017, vol. 194, no. 2, pp. 313-332., Registrované v: WOS
53. [1.1] QIN, Guang-You. Anisotropic flow and jet quenching in relativistic nuclear collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2015, vol. 24, no. 2, art. no. 1530001., Registrované v: WOS
54. [1.1] REITEN, J. - SADOBYEV, A.V. Drag force to all orders in gradients. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 22 2020, no. 7., Registrované v: WOS
55. [1.1] ROGLY, Rudolph - GIACALONE, Giuliano - OLLITRAULT, Jean-Yves. Reconstructing the impact parameter of proton-nucleus and nucleus-nucleus collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 024902., Registrované v: WOS
56. [1.1] ROLAND, Gunther. Long-range correlations in high multiplicity pp and pA collisions. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2015, vol. 84, no. 5, pp. 731-746., Registrované v: WOS
57. [1.1] SAKAI, A. - MURASE, K. - HIRANO, T. Rapidity

- decorrelation of anisotropic flow caused by hydrodynamic fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, DEC 2 2020, vol. 102, no. 6., Registrované v: WOS
58. [1.1] SARKAR, Soumya - MALI, Provash - MUKHOPADHYAY, Amitabha. Azimuthal anisotropy in particle distribution in a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 2, art. no. 024913., Registrované v: WOS
59. [1.1] SARKAR, Soumya - MALI, Provash - GHOSH, Somnath - MUKHOPADHYAY, Amitabha. Radial Flow in a Multiphase Transport Model at FAIR Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2018, art. no. 7453752., Registrované v: WOS
60. [1.1] SHI, Shuzhe - XU, Jiechen - LIAO, Jinfeng - GYULASSY, Miklos. A Unified Description for Comprehensive Sets of Jet Energy Loss Observables with CUJET3. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 648-651., Registrované v: WOS
61. [1.1] SHI, S.Z. - LIAO, J.F. - GYULASSY, M. Global constraints from RHIC and LHC on transport properties of QCD fluids in CUJET/CIBJET framework. In CHINESE PHYSICS C. ISSN 1674-1137, APR 2019, vol. 43, no. 4., Registrované v: WOS
62. [1.1] STASTO, Anna M. - ZASLAVSKY, David. Saturation in inclusive production beyond leading logarithm accuracy. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 24, art. no. 24., Registrované v: WOS
63. [1.1] VARZIELAS, I. de Medeiros - FISCHER, O. Non-Abelian family symmetries as portals to dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 1, art. no. 160., Registrované v: WOS
64. [1.1] WANG, E.Q. - MA, Y.Q. - GAO, L.N. - FAN, S.H. Elliptic Flow of Identified Particles in Pb-Pb Collisions at $\sqrt{s(NN)}=5.02$ TeV. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, JAN 27 2020, vol. 2020., Registrované v: WOS
65. [1.1] WEN, D. - CASTILHO, W.M. - LIN, K. - QIAN, W.L. - HAMA, Y. - KODAMA, T. On the peripheral tube description of the two-particle correlations in nuclear collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, MAR 2019, vol. 46, no. 3., Registrované v: WOS
66. [1.1] WOZNIAK, K.W. Recent minimum-bias measurements by ATLAS. In XX INTERNATIONAL SYMPOSIUM ON VERY HIGH ENERGY COSMIC RAY INTERACTIONS (ISVHECRI 2018). ISSN 2100-014X, 2019, vol. 208., Registrované v: WOS
67. [1.1] XU, Jiechen - LIAO, Jinfeng - GYULASSY, Miklos. Consistency of Perfect Fluidity and Jet Quenching in Semi-Quark-Gluon Monopole Plasmas. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2015, vol. 32, no. 9, art. no. 092501., Registrované v: WOS
68. [1.1] XU, Jiechen - LIAO, Jinfeng - GYULASSY, Miklos. Bridging soft-hard transport properties of quark-gluon plasmas with CUJET3.0. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 2, art. no. 169., Registrované v: WOS
69. [1.1] ZIGIC, D. - SALOM, I. - AUVINEN, J. - DJORDJEVIC, M. - DJORDJEVIC, M. DREENA-B framework: First predictions of R-AA and $v(2)$ within dynamical energy loss formalism in evolving QCD medium. In PHYSICS

ADCA513 AABOUD, M. - AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of the ratio of cross sections for inclusive isolated-photon production in pp collisions at $\sqrt{s}=13$ and 8 TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2019, no. 4, art. no. 093. (2018: 5.833 - IF, Q1 - JCR, 1.016 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP04\(2019\)093](https://doi.org/10.1007/JHEP04(2019)093)

Ohlasy:

1. [1.1] DAVID, G. Direct real photons in relativistic heavy ion collisions. In *REPORTS ON PROGRESS IN PHYSICS*. ISSN 0034-4885, APR 2020, vol. 83, no. 4., Registrované v: WOS

ADCA514 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of the Soft-Drop Jet Mass in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. In *Physical Review Letters*, 2018, vol. 121, no. 9, art. no. 092001. (2017: 8.839 - IF, Q1 - JCR, 3.622 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.121.092001>

Ohlasy:

1. [1.1] ANDERLE, D. - DASGUPTA, M. - EL-MENOUFI, B.K. - GUZZI, M. - HELLIWELL, J. Groomed jet mass as a direct probe of collinear parton dynamics. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, SEP 5 2020, vol. 80, no. 9., Registrované v: WOS
2. [1.1] CARRAZZA, S. - DREYER, F.A. Jet grooming through reinforcement learning. In *PHYSICAL REVIEW D*. ISSN 2470-0010, JUL 15 2019, vol. 100, no. 1., Registrované v: WOS
3. [1.1] CARRAZZA, S. - DREYER, F.A. Jet Grooming through Reinforcement Learning. In *19TH INTERNATIONAL WORKSHOP ON ADVANCED COMPUTING AND ANALYSIS TECHNIQUES IN PHYSICS RESEARCH*. ISSN 1742-6588, 2020, vol. 1525., Registrované v: WOS
4. [1.1] CHAY, J. - KIM, C. Factorized Groomed Jet Mass Distribution in Inclusive Jet Processes. In *JOURNAL OF THE KOREAN PHYSICAL SOCIETY*. ISSN 0374-4884, MAR 2019, vol. 74, no. 5, p. 439-458., Registrované v: WOS
5. [1.1] KANG, Z.B. - LEE, K. - LIU, X.H. - RINGER, F. Soft drop groomed jet angularities at the LHC. In *PHYSICS LETTERS B*. ISSN 0370-2693, JUN 10 2019, vol. 793, p. 41-47., Registrované v: WOS
6. [1.1] KARDOS, A. - LARKOSKI, A.J. - TROCSANYI, Z. Groomed jet mass at high precision. In *PHYSICS LETTERS B*. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS
7. [1.1] KARDOS, A. - LARKOSKI, A.J. - TROCSANYI, Z. Two- and three-loop data for the groomed jet mass. In *PHYSICAL REVIEW D*. ISSN 1550-7998, JUN 30 2020, vol. 101, no. 11., Registrované v: WOS
8. [1.1] SOYEZ, G. Pileup mitigation at the LHC: A theorist's view. In

ADCA515 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the top pair production cross section in 8 TeV proton-proton collisions using kinematic information in the lepton plus jets final state with ATLAS. In *Physical Review D*, 2015, vol. 91, no. 11, art. no. 112013. (2014: 4.643 - IF, Q1 - JCR, 2.414 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.91.112013>

Ohlasy:

1. [1.1] ALEKHIN, S. - BLUEMLEIN, J. - MOCH, S. - PLACAKYTE, R. Parton distribution functions, $\alpha(s)$, and heavy-quark masses for LHC Run II. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 014011., Registrované v: WOS
2. [1.1] ALEKHIN, S. - MOCH, S. - THIER, S. Determination of the top-quark mass from hadro-production of single top-quarks. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2016, vol. 763, pp. 341-346., Registrované v: WOS
3. [1.1] D'ENTERRIA, D. - SHAO, H.S. Rare two-body decays of the top quark into a bottom meson plus an up or charm quark. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, JUL 20 2020, no. 7., Registrované v: WOS
4. [1.1] JIA, Lian-Bao. Search for pseudoscalar-mediated WIMPs in $t\bar{t}$ transitions with missing energy. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 074006., Registrované v: WOS
5. [1.1] KATS, Yevgeny. Measuring polarization of light quarks at ATLAS and CMS. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 071503., Registrované v: WOS

ADCA516 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the top quark charge in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2013, vol. 2013, no. 11, art. no. 031. (2012: 5.618 - IF, 1.475 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1029-8479.

Ohlasy:

1. [1.1] BERGER, Micheal S. - KOSTELECKY, V. Alan - LIU, Zhi. Lorentz and CPT violation in top-quark production and decay. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 036005., Registrované v: WOS
2. [1.1] BOOS, E. - DUDKO, L. - MANDRIK, P. - SLABOSPITSKII, S. Top Quark: Results and Prospects. In *PHYSICS OF PARTICLES AND NUCLEI*. ISSN 1063-7796, MAY 2019, vol. 50, no. 3, p. 231-258., Registrované v: WOS
3. [1.1] BOUDJEMA, Fawzi - GUADAGNOLI, Diego - GODBOLE, Rohini M. - MOHAN, Kirtimaan A. Laboratory-frame observables for probing the top-Higgs boson interaction. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2015, vol. 92, no. 1, art. no. 015019., Registrované v: WOS

4. [1.1] GIARDINO, Pier Paolo - ZHANG, Cen. Probing the top-quark width using the charge identification of b jets. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 011901., Registrované v: WOS

ADCA517 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the top quark mass in the $t(\bar{t})$ - lepton plus jets and $t(\bar{t})$ - dilepton channels using $\sqrt{s}=7$ TeV ATLAS data. In *European Physical Journal C*, 2015, vol. 75, no. 7, art. no. 330. (2014: 5.084 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-015-3544-0>

Ohlasy:

1. [1.1] BEVILACQUA, G. - HARTANTO, H. B. - KRAUS, M. - WOREK, M. Top Quark Pair Production in Association with a Jet with Next-to-Leading-Order QCD Off-Shell Effects at the Large Hadron Collider. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 5, art. no. 052003., Registrované v: WOS
2. [1.1] BROOKS, H. - SKANDS, P. Coherent showers in decays of colored resonances. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 11 2019, vol. 100, no. 7., Registrované v: WOS
3. [1.1] CORCELLA, Gennaro - FRANCESCHINI, Roberto - KIM, Doojin. Fragmentation uncertainties in hadronic observables for top-quark mass measurements. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 929, pp. 485-526., Registrované v: WOS
4. [1.1] GONZALEZ, J.A. - BELLORIN, A. - GUERRERO, L.E. - JIMENEZ, S. - MARIN, J.F. - VAZQUEZ, L. Solitons and Instantons in Vacuum Stability: Physical Phenomena. In BRAZILIAN JOURNAL OF PHYSICS. ISSN 0103-9733, DEC 2020, vol. 50, no. 6, p. 759-770., Registrované v: WOS
5. [1.1] HELENE, Otaviano - MARIANO, Leandro - GUIMARAES-FILHO, Zwinglio. Useful and little-known applications of the Least Square Method and some consequences of covariances. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2016, vol. 833, pp. 82-87., Registrované v: WOS
6. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS
7. [1.1] KIESELER, Jan - LIPKA, Katerina - MOCH, Sven-Olaf. Calibration of the Top-Quark Monte Carlo Mass. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 16, art. no. 162001., Registrované v: WOS
8. [1.1] RINDANI, Saurabh D. - SHARMA, Pankaj - SHIVAJI, Ambresh. Unraveling the CP phase of top-Higgs coupling in associated production at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 761, pp. 25-30., Registrované v: WOS

ADCA518 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of the top

quark mass in the $t\bar{t}$ - lepton plus jets channel from $\sqrt{s}=8$ TeV ATLAS data and combination with previous results. In *European Physical Journal C*, 2019, vol. 79, no. 4, art. no. 290. (2018: 4.843 - IF, Q1 - JCR, 1.972 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-019-6757-9>

Ohlasy:

1. [1.1] BALLESTEROS, G. - REDONDO, J. - RINGWALD, A. - TAMARIT, C. Several Problems in Particle Physics and Cosmology Solved in One SMASH. In *FRONTIERS IN ASTRONOMY AND SPACE SCIENCES*. ISSN 2296-987X, JUL 30 2019, vol. 6., Registrované v: WOS
2. [1.1] BROOKS, H. - SKANDS, P. Coherent showers in decays of colored resonances. In *PHYSICAL REVIEW D*. ISSN 2470-0010, OCT 11 2019, vol. 100, no. 7., Registrované v: WOS
3. [1.1] CORCELLA, G. The Top-Quark Mass: Challenges in Definition and Determination. In *FRONTIERS IN PHYSICS*. ISSN 2296-424X, APR 24 2019, vol. 7., Registrované v: WOS

ADCA519 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of the top quark mass in the $t\bar{t}$ - dilepton channel from $\sqrt{s}=8$ TeV ATLAS data. In *Physics Letters B*, 2016, vol. 761, p. 350-371. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2016.08.042>

Ohlasy:

1. [1.1] ANDREASSEN, Anders - SCHWARTZ, Matthew D. Reducing the top quark mass uncertainty with jet grooming. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2017, no. 10, art. no. 151., Registrované v: WOS
2. [1.1] AN, Seo Hyun - KAWABATA, Sayaka - KIM, Tae Jeong. A study of top-quark mass measurement using the lepton energy distribution at the Large Hadron Collider. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 888., Registrované v: WOS
3. [1.1] AYALA, C. - LOBREGAT, X. - PINEDA, A. Hyperasymptotic approximation to the top, bottom, and charm pole mass. In *PHYSICAL REVIEW D*. ISSN 2470-0010, FEB 5 2020, vol. 101, no. 3., Registrované v: WOS
4. [1.1] BEVILACQUA, Giuseppe - HARTANTO, Heribertus Bayu - KRAUS, Manfred - SCHULZE, Markus - WOREK, Malgorzata. OFF-SHELL $t\bar{t}$ PRODUCTION AND TOP-QUARK MASS STUDIES AT THE LHC. In *ACTA PHYSICA POLONICA B*. ISSN 0587-4254, 2017, vol. 48, no. 12, pp. 2251-2260., Registrované v: WOS
5. [1.1] BEVILACQUA, G. - HARTANTO, H. B. - KRAUS, M. - SCHULZE, M. - WOREK, M. Top quark mass studies with $t\bar{t}$ at the LHC. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2018, no. 3, art. no. 169., Registrované v: WOS
6. [1.1] BROOKS, H. - SKANDS, P. Coherent showers in decays of colored resonances. In *PHYSICAL REVIEW D*. ISSN 2470-0010, OCT 11 2019, vol. 100, no. 7., Registrované v: WOS
7. [1.1] COLEPPA, Baradhwaj - KUMAR, Mukesh - KUMAR, Satendra - MELLADO, Bruce. Measuring CP nature of top-Higgs couplings at

- the future Large Hadron electron Collider. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 770, pp. 335-341., Registrované v: WOS
8. [1.1] CROON, D. - FERNANDEZ, N. - MCKEEN, D. - WHITE, G. Stability, reheating, and leptogenesis. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 19 2019, no. 6., Registrované v: WOS
9. [1.1] DE MONCHENAULT, Gautier Hamel. Electroweak Measurements at the LHC. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 67. ISSN 0163-8998, 2017, vol. 67, pp. 19-44., Registrované v: WOS
10. [1.1] DOWDALL, R.J. - DAVIES, C.T.H. - HORGAN, R.R. - LEPAGE, G.P. - MONAHAN, C.J. - SHIGEMITSU, J. - WINGATE, M. Neutral B-meson mixing from full lattice QCD at the physical point. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 25 2019, vol. 100, no. 9., Registrované v: WOS
11. [1.1] EAST, William E. - KEARNEY, John - SHAKYA, Bibhushan - YOO, Hojin - ZUREK, Kathryn M. Spacetime dynamics of a Higgs vacuum instability during inflation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 2, art. no. 023526., Registrované v: WOS
12. [1.1] ESPINOSA, J. R. Cosmological implications of Higgs near-criticality. In PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-503X, 2018, vol. 376, no. 2114, art. no. 20170118., Registrované v: WOS
13. [1.1] FORTE, S. - LEVY, A. - RIDOLFI, G. From My Vast Repertoire ... Guido Altarelli's Legacy Preface. In FROM MY VAST REPERTOIRE ... : GUIDO ALTARELLI'S LEGACY. 2019, p. V-+., Registrované v: WOS
14. [1.1] GONZALEZ, Jorge A. - BELLORIN, A. - GARCIA-NUSTES, Monica A. - GUERRERO, L. E. - JIMENEZ, S. - MARIN, Juan F. - VAZQUEZ, L. Fate of the true-vacuum bubbles. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 6, art. no. 033., Registrované v: WOS
15. [1.1] HABA, Naoyuki - YAMADA, Toshifumi. Multiple-point principle realized with strong dynamics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115015., Registrované v: WOS
16. [1.1] HOANG, Andre H. - JAIN, Ambar - LEPENIK, Christopher - MATEU, Vicent - PREISSER, Moritz - SCIMEMI, Ignazio - STEWART, Iain W. The MSR mass and the $O(A(QCD))$ renormalon sum rule. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 4, art. no. 003., Registrované v: WOS
17. [1.1] HOANG, Andre H. - LEPENIK, Christopher - PREISSER, Moritz. On the light massive flavor dependence of the large order asymptotic behavior and the ambiguity of the pole mass. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 9, art. no. 099., Registrované v: WOS
18. [1.1] HOANG, Andre H. - PLAETZER, Simon - SAMITZ, Daniel. On the cutoff dependence of the quark mass parameter in angular ordered parton showers. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 200., Registrované v: WOS
19. [1.1] HOANG, A.H. - MANTRY, S. - PATHAK, A. - STEWART, I.W. Extracting a short distance top mass with light grooming. In PHYSICAL

REVIEW D. ISSN 2470-0010, OCT 21 2019, vol. 100, no. 7., Registrované v: WOS

20. [1.1] HOOK, Anson - MCGEHEE, Robert - MURAYAMA, Hitoshi. Cosmologically viable low-energy supersymmetry breaking. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115036., Registrované v: WOS

21. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS

22. [1.1] JEGERLEHNER, Friedrich. Comparison Between Theory and Experiment and Future Perspectives. In ANOMALOUS MAGNETIC MOMENT OF THE MUON, 2ND EDITION. ISSN 0081-3869, 2017, vol. 274, pp. 609-681., Registrované v: WOS

23. [1.1] MIHAILA, L. - ZERF, N. $O(\alpha(s)\alpha(t))$ (non)decoupling effects within the top-sector of the MSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 5, art. no. 019., Registrované v: WOS

24. [1.1] PALAZZO, S. Top physics with the ATLAS detector at LHC. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2018, vol. 41, no. 1-2, art. no. 21., Registrované v: WOS

25. [1.1] PASSAGLIA, S. - HU, W.N. - MOTOHASHI, H. Primordial black holes as dark matter through Higgs field criticality. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 22 2020, vol. 101, no. 12., Registrované v: WOS

26. [1.1] RAVASIO, Silvia Ferrario - JEZO, Tomas - NASON, Paolo - OLEARI, Carlo. A theoretical study of top-mass measurements at the LHC using NLO plus PS generators of increasing accuracy. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 458., Registrované v: WOS

27. [1.1] RAVASIO, S.F. - NASON, P. - OLEARI, C. All-orders behaviour and renormalons in top-mass observables. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 25 2019, no. 1., Registrované v: WOS

28. [1.1] ROMAN, D.R. - FAIRBAIRN, M. Gravitationally produced top quarks and the stability of the electroweak vacuum during inflation. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 15 2019, vol. 99, no. 3., Registrované v: WOS

ADCA520 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Measurement of the top quark mass in the dilepton channel using $m(T2)$ at CDF. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2010, vol. 81, no. 3, art. no. R031102. (2009: 4.922 - IF, 2.792 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.81.031102>

Ohlasy:

1. [1.1] MARTIN LOZANO, Victor - MORENO, Jesus M. - PARK, Chan Beom. Resonant Higgs boson pair production in the $hh \rightarrow b(b)\overline{b}$ $WW \rightarrow b(b)\overline{b}l(+)vl(-)(v)\overline{v}$ decay channel. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 8, art. no. 004., Registrované v: WOS

ADCA521 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the top quark mass with the template method in the $t(\bar{t})$ -lepton plus jets channel using ATLAS data. In *European Physical Journal C*, 2012, vol. 72, no. 6, art. no. 2046. (2011: 3.631 - IF, Q2 - JCR, 2.962 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-012-2046-6>

Ohlasy:

1. [1.1] BOGE, F.J. How to infer explanations from computer simulations. In *STUDIES IN HISTORY AND PHILOSOPHY OF SCIENCE*. ISSN 0039-3681, AUG 2020, vol. 82, p. 25-33., Registrované v: WOS
2. [1.1] CORCELLA, Gennaro - FRANCESCHINI, Roberto - KIM, Doojin. Fragmentation uncertainties in hadronic observables for top-quark mass measurements. In *NUCLEAR PHYSICS B*. ISSN 0550-3213, 2018, vol. 929, pp. 485-526., Registrované v: WOS

ADCA522 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the top quark pair cross section with ATLAS in pp collisions at $\sqrt{s}=7$ TeV using final states with an electron or a muon and a hadronically decaying tau lepton. In *Physics Letters B*, 2012, vol. 717, no. 1-3, p. 89-108. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2012.09.032>

Ohlasy:

1. [1.1] D'ENTERRIA, David - KRAJCZAR, Krisztian - PAUKKUNEN, Hannu. Top-quark production in proton-nucleus and nucleus-nucleus collisions at LHC energies and beyond. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2015, vol. 746, pp. 64-72., Registrované v: WOS
2. [1.1] HARLAND-LANG, L. A. - MARTIN, A. D. - MOTYLINSKI, P. - THORNE, R. S. Parton distributions in the LHC era: MMHT 2014 PDFs. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 204., Registrované v: WOS
3. [1.1] HARLAND-LANG, L.A. - MARTIN, A.D. - NATHVANI, R. - THORNE, R.S. Ad Lucem: QED parton distribution functions in the MMHT framework. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, OCT 2019, vol. 79, no. 10., Registrované v: WOS
4. [1.1] KUEHN, J. H. - SCHARF, A. - UWER, P. Weak interactions in top-quark pair production at hadron colliders: An update. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 014020., Registrované v: WOS
5. [1.1] OSLAND, P. - PANKOV, A. A. - TSYTRINOV, A. V. Probing $Z Z'$ mixing with ATLAS and CMS resonant diboson production data at the LHC at $\sqrt{s}=13$ TeV. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 055040., Registrované v: WOS
6. [1.1] STALEY, K.W. Securing the Empirical Value of Measurement Results. In *BRITISH JOURNAL FOR THE PHILOSOPHY OF SCIENCE*. ISSN 0007-0882, MAR 2020, vol. 71, no. 1, p. 87-113., Registrované v: WOS
7. [1.1] YANG, Bingfang - LIU, Ning. One-loop QCD correction to top

pair production in the littlest Higgs model with T-parity at the LHC. In EPL. ISSN 0295-5075, 2015, vol. 111, no. 1, art. no. 11001., Registrované v: WOS

ADCA523 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the top quark pair production cross-section with ATLAS in the single lepton channel. In *Physics Letters B*, 2012, vol. 711, no. 3-4, p. 244-263. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] DEMINA, Regina - HAREL, Amnon - ORBAKER, Douglas. Reconstructing $t(\bar{t})$ over-bar events with one lost jet. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2015, vol. 788, pp. 128-136., Registrované v: WOS
2. [1.1] D'ENTERRIA, David - KRAJCZAR, Krisztian - PAUKKUNEN, Hannu. Top-quark production in proton-nucleus and nucleus-nucleus collisions at LHC energies and beyond. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 746, pp. 64-72., Registrované v: WOS
3. [1.1] D'ENTERRIA, D. - SHAO, H.S. Rare two-body decays of the top quark into a bottom meson plus an up or charm quark. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 20 2020, no. 7., Registrované v: WOS
4. [1.1] HARLAND-LANG, L. A. - MARTIN, A. D. - MOTYLINSKI, P. - THORNE, R. S. Parton distributions in the LHC era: MMHT 2014 PDFs. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 204., Registrované v: WOS
5. [1.1] HARLAND-LANG, L.A. - MARTIN, A.D. - NATHVANI, R. - THORNE, R.S. Ad Lucem: QED parton distribution functions in the MMHT framework. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 2019, vol. 79, no. 10., Registrované v: WOS
6. [1.1] SARMIENTO-ALVARADO, I. A. - BOUZAS, Antonio O. - LARIOS, F. Analysis of top-quark charged-current coupling at the LHeC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 8, art. no. 085001., Registrované v: WOS
7. [1.1] STALEY, K.W. Securing the Empirical Value of Measurement Results. In BRITISH JOURNAL FOR THE PHILOSOPHY OF SCIENCE. ISSN 0007-0882, MAR 2020, vol. 71, no. 1, p. 87-113., Registrované v: WOS

ADCA524 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the top quark pair production charge asymmetry in proton-proton collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. In *Journal of High Energy Physics*, 2014, vol. 2014, no. 2, art. no. 107. (2013: 6.220 - IF, Q1 - JCR, 1.173 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP02\(2014\)107](https://doi.org/10.1007/JHEP02(2014)107)

Ohlasy:

1. [1.1] COLLETTI, Katrina - HONG, Ziqing - TOBACK, David - WILSON, Jonathan S. Extrapolation technique pitfalls in asymmetry

measurements at colliders. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2016, vol. 830, pp. 176-181., Registrované v: WOS

2. [1.1] VAN DEURZEN, Hans - FREDERIX, Rikkert - HIRSCHI, Valentin - LUISONI, Gionata - MASTROLIA, Pierpaolo - OSSOLA, Giovanni. Spin polarisation of $t(t)\text{-}\bar{t}$ over-bar gamma gamma production at NLO plus PS with GOSAM interfaced to MADGRAPH5_AMC@NLO. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, art. no. 221., Registrované v: WOS

ADCA525 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the top quark pair production cross section in pp collisions at $\sqrt{s}=7$ TeV in dilepton final states with ATLAS. In *Physics Letters B*, 2012, vol. 707, no. 5, p. 459-477. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] D'ENTERRIA, David - KRAJCZAR, Krisztian - PAUKKUNEN, Hannu. Top-quark production in proton-nucleus and nucleus-nucleus collisions at LHC energies and beyond. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 746, pp. 64-72., Registrované v: WOS

2. [1.1] HARLAND-LANG, L. A. - MARTIN, A. D. - MOTYLINSKI, P. - THORNE, R. S. Parton distributions in the LHC era: MMHT 2014 PDFs. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 204., Registrované v: WOS

3. [1.1] HARLAND-LANG, L.A. - MARTIN, A.D. - NATHVANI, R. - THORNE, R.S. Ad Lucem: QED parton distribution functions in the MMHT framework. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 2019, vol. 79, no. 10., Registrované v: WOS

4. [1.1] STALEY, K.W. Securing the Empirical Value of Measurement Results. In BRITISH JOURNAL FOR THE PHILOSOPHY OF SCIENCE. ISSN 0007-0882, MAR 2020, vol. 71, no. 1, p. 87-113., Registrované v: WOS

ADCA526 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the top quark-pair production cross section with ATLAS in pp collisions at $\sqrt{s}=7$ TeV. In *European Physical Journal C*, 2011, vol. 71, no. 3, art. no. 1577. (2010: 3.248 - IF, Q2 - JCR, 2.215 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-011-1577-6>

Ohlasy:

1. [1.1] BILLUR, A.A. - KOKSAL, M. - GUTIERREZ-RODRIGUEZ, A. - HERNANDEZ-RUIZ, M.A. Projections for model-independent limit estimates on top-quark anomalous electromagnetic couplings at the FCC-he. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, NOV 2019, vol. 134, no. 11., Registrované v: WOS

2. [1.1] BROGGIO, A. - FERROGLIA, A. - FREDERIX, R. - PAGANI, D. - PECJAK, B.D. - TSINIKOS, I. Top-quark pair hadroproduction in association with a heavy boson at NLO plus NNLL including EW corrections. In

JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 7 2019, no. 8., Registrované v: WOS

3. [1.1] D'ENTERRIA, David - KRAJCZAR, Krisztian - PAUKKUNEN, Hannu. Top-quark production in proton-nucleus and nucleus-nucleus collisions at LHC energies and beyond. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 746, pp. 64-72., Registrované v: WOS

4. [1.1] GRAVILI, F.G. Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, MAR-JUN 2020, vol. 43, no. 2-3., Registrované v: WOS

5. [1.1] HARLAND-LANG, L. A. - MARTIN, A. D. - MOTYLINSKI, P. - THORNE, R. S. Parton distributions in the LHC era: MMHT 2014 PDFs. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 204., Registrované v: WOS

6. [1.1] HARLAND-LANG, L.A. - MARTIN, A.D. - NATHVANI, R. - THORNE, R.S. Ad Lucem: QED parton distribution functions in the MMHT framework. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 2019, vol. 79, no. 10., Registrované v: WOS

7. [1.1] HOU, W.S. - KOHDA, M. - MODAK, T. Implications of four-top and top-pair studies on triple-top production. In PHYSICS LETTERS B. ISSN 0370-2693, NOV 10 2019, vol. 798., Registrované v: WOS

8. [1.1] KIDONAKIS, Nikolaos. Soft-gluon corrections in top-quark production. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 25, art. no. 1830021., Registrované v: WOS

9. [1.1] TSISKARIDZE, Shota. Event Samples and Preselection. In SEARCH FOR FLAVOR-CHANGING NEUTRAL CURRENT TOP QUARK DECAYS $T \rightarrow HQ$, WITH $H \rightarrow BB$, IN PP COLLISIONS AT $\sqrt{s} = 8$ TEV WITH THE ATLAS DETECTOR. ISSN 2190-5053, 2017, pp. 103-124., Registrované v: WOS

10. [1.1] YANG, Bingfang - LIU, Ning. One-loop QCD correction to top pair production in the lightest Higgs model with T-parity at the LHC. In EPL. ISSN 0295-5075, 2015, vol. 111, no. 1, art. no. 11001., Registrované v: WOS

ADCA527 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at $\sqrt{s}=7$ TeV. In *European Physical Journal C*, 2015, vol. 75, no. 4, art. no. 158. (2014: 5.084 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1434-6044.

Ohlasy:

1. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS

ADCA528 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Measurement of the Top-Quark Mass with Dilepton Events Selected Using Neuroevolution at CDF. In *Physical Review Letters*, 2009, vol. 102, no. 15, art. no. 152001. (2008: 7.180 - IF,

Q1 - JCR, 6.194 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.102.152001>

Ohlasy:

1. [1.1] ELLEFSEN, Kai Olav - MOURET, Jean-Baptiste - CLUNE, Jeff. Neural Modularity Helps Organisms Evolve to Learn New Skills without Forgetting Old Skills. In PLOS COMPUTATIONAL BIOLOGY. ISSN 1553-734X, 2015, vol. 11, no. 4, art. no. e1004128., Registrované v: WOS

ADCA529 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol.

Measurement of the total cross section from elastic scattering in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *Nuclear Physics B*, 2014, vol. 889, p. 486-548. (2013: 3.946 - IF, Q2 - JCR, 2.314 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0550-3213. Dostupné na: <https://doi.org/10.1016/j.nuclphysb.2014.10.019>

Ohlasy:

1. [1.1] ABDEL-WAGED, Khaled - FELEMBAN, Nuha. Interpretation of charged-particle spectra in p plus p and p plus Pb collisions at energies available at the CERN Large Hadron Collider using an improved HIJING code with a collective cascade. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 3, art. no. 034908., Registrované v: WOS
2. [1.1] APEL, W. D. - ARTEAGA-VELAZQUEZ, J. C. - BEKK, K. - BERTAINA, M. - BLUEMER, J. - BOZDOG, H. - BRANCUS, I. M. - CANTONI, E. - CHIAVASSA, A. - COSSAVELLA, F. - DAUMILLER, K. - DE SOUZA, V. - DI PIERRO, F. - DOLL, P. - ENGEL, R. - FUHRMANN, D. - GHERGHEL-LASCU, A. - GILS, H. J. - GLASSTETTER, R. - GRUPEN, C. - HAUNGS, A. - HECK, D. - HOERANDEL, J. R. - HUEGE, T. - KAMPERT, K.H. - KANG, D. - KLAGES, H. O. - LINK, K. - LUCZAK, P. - MATHES, H. J. - MAYER, H. J. - MILKE, J. - MITRICA, B. - MORELLO, C. - OEHLSCHLAEGER, J. - OSTAPCHENKO, S. - PIEROG, T. - REBEL, H. - ROTH, M. - SCHIELER, H. - SCHOO, S. - SCHROEDER, F. G. - SIMA, O. - TOMA, G. - TRINCHERO, G. C. - ULRICH, H. - WEINDL, A. - WOCHLE, J. - ZABIEROWSKI, J. Probing the evolution of the EAS muon content in the atmosphere with KASCADE-Grande. In ASTROPARTICLE PHYSICS. ISSN 0927-6505, 2017, vol. 95, pp. 25-43., Registrované v: WOS
3. [1.1] BELOUSOV, V. I. - EZHELA, V. V. - KUYANOV, Yu. V. - TKACHENKO, N. P. Total Cross Sections for Hadron Collisions on the Basis of the HPR1R2 Model. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2016, vol. 79, no. 1, pp. 113-117., Registrované v: WOS
4. [1.1] BLOCK, Martin M. - DURAND, Loyal - PHUOC HA - HALZEN, Francis. Slope, curvature, and higher parameters in pp and (p)over-bar p scattering, and the extrapolation of measurements of $d\sigma(s,t)/dt$ to $t=0$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 114009., Registrované v: WOS
5. [1.1] BOURRELY, Claude - SOFFER, Jacques - WU, Tai Tsun. Do we understand near-forward elastic scattering up to TeV energies? In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 8, art. no. 1542006., Registrované v: WOS
6. [1.1] BOZEK, P. - BRONIOWSKI, W. - RYBCZYNSKI, M. - STEFANEK, G. GLISSANDO 3: GLauber Initial-State Simulation AND mOre,

- ver. 3. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, DEC 2019, vol. 245., Registrované v: WOS
7. [1.1] BROILO, M. - FAGUNDES, D.A. - LUNA, E.G.S. - MENON, M.J. Proton-proton forward scattering at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2019, vol. 799., Registrované v: WOS
8. [1.1] BROILO, M. - FAGUNDES, D.A. - LUNA, E.G.S. - MENON, M.J. Forward elastic scattering: dynamical gluon mass and semihard interactions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 2019, vol. 79, no. 12., Registrované v: WOS
9. [1.1] BROILO, M. - GONCALVES, V.P. - SILVA, P.V.R.G. Investigating the impact of the partonic structure on the description of hadronic collisions at high energies. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, AUG 10 2020, vol. 35, no. 22., Registrované v: WOS
10. [1.1] BROILO, M. - GONCALVES, V.P. - SILVA, P.V.R.G. Model of diffractive excitation in pp collisions at high energies. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 28 2020, vol. 101, no. 7., Registrované v: WOS
11. [1.1] BROILO, M. - LUNA, E. G. S. - MENON, M. J. Soft pomerons and the forward LHC data. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 781, pp. 616-620., Registrované v: WOS
12. [1.1] BRONIOWSKI, Wojciech - RUIZ ARRIOLA, Enrique. HOLLOWNESS IN pp SCATTERING. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 6, pp. 927-937., Registrované v: WOS
13. [1.1] BURIKHAM, P. - SAMART, D. Open-string singlet interaction as pomeron in elastic pp,p(p)over-bar scattering. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 28 2019, vol. 79, no. 6., Registrované v: WOS
14. [1.1] CALCAGNI, L. - GARCIA CANAL, C. A. - SCIUTTO, S. J. - TARUTINA, T. LHC updated hadronic interaction packages analyzed up to cosmic-ray energies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 8, art. no. 083003., Registrované v: WOS
15. [1.1] CAMPANA, P. Highlights from LHC experiments and future perspectives. In XITH CONFERENCE ON QUARK CONFINEMENT AND HADRON SPECTRUM. ISSN 0094-243X, 2016, vol. 1701, art. no. 020006., Registrované v: WOS
16. [1.1] CAMPOS, S.D. Proton internal pressure in pp and (p)over-bar-p elastic scattering. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, APR 10 2019, vol. 34, no. 10., Registrované v: WOS
17. [1.1] CORNET, F. - GARCIA CANAL, C. A. - GRAU, A. - PANCHERI, G. - SCIUTTO, S. J. Photoproduction total cross section and shower development. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 114011., Registrované v: WOS
18. [1.1] DIEZ, Veronica Errasti - GODBOLE, Rohini M. - SINHA, Aninda. Improvements to the Froissart bound from AdS/CFT. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 746, pp. 285-292., Registrované v: WOS
19. [1.1] DREMIN, I. M. Elastic scattering and spatial inelastic profiles of high energy protons. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 14, art. no. 1750073.,

Registrované v: WOS

20. [1.1] FAGUNDES, Daniel A. - GRAU, Agnes - PANCHERI, Giulia - SRIVASTAVA, Yogendra N. - SHEKHOVTSOVA, Olga. p air production cross-section and uncorrelated mini-jets processes in pp-scattering. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. 03002., Registrované v: WOS

21. [1.1] FAGUNDES, Daniel A. - GRAU, Agnes - PANCHERI, Giulia - SHEKHOVTSOVA, Olga - SRIVASTAVA, Yogendra N. Inelastic cross section and survival probabilities at the LHC in minijet models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 054010., Registrované v: WOS

22. [1.1] FAGUNDES, D. A. - GRAU, A. - PANCHERI, G. - SRIVASTAVA, Y. N. - SHEKHOVTSOVA, O. Soft edge of hadron scattering and minijet models for the total and inelastic pp cross sections at LHC and beyond. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 11, art. no. 114011., Registrované v: WOS

23. [1.1] FAGUNDES, D. A. - MENON, M. J. - SILVA, P. V. R. G. Exploring central opacity and asymptotic scenarios in elastic hadron scattering. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 946, pp. 194-226., Registrované v: WOS

24. [1.1] FAGUNDES, D. A. - MENON, M. J. - SILVA, P. V. R. G. Updating an empirical analysis on the proton's central opacity and asymptotia. In XIII INTERNATIONAL WORKSHOP ON HADRON PHYSICS, SECTIONS 1-5. ISSN 1742-6588, 2016, vol. 706, art. no. UNSP 052027., Registrované v: WOS

25. [1.1] FAGUNDES, D. A. - MENON, M. J. - SILVA, P. V. R. G. Leading components in forward elastic hadron scattering: Derivative dispersion relations and asymptotic uniqueness. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 32, art. no. 1750184., Registrované v: WOS

26. [1.1] FAGUNDES, D. A. - MENON, M. J. - SILVA, P. V. R. G. Bounds on the rise of total cross section from LHC7 and LHC8 data. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 966, pp. 185-196., Registrované v: WOS

27. [1.1] FENG, Jonathan L. - GALON, Iftah - KLING, Felix - TROJANOWSKI, Sebastian. ForwArD Search ExpeRiment at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 035001., Registrované v: WOS

28. [1.1] FERREIRA, E. - KOHARA, A. K. - SESMA, J. Structure of forward pp and p(p)over-bar elastic amplitudes at low energies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 094029., Registrované v: WOS

29. [1.1] GIORDANO, M. - MEGGIOLARO, E. - SILVA, P. V. R. G. Investigation of the leading and subleading high-energy behavior of hadron-hadron total cross sections using a best-fit analysis of hadronic scattering data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 034015., Registrované v: WOS

30. [1.1] GIUBEGA, L.E. Soft QCD and CEP at LHCb. In XIII INTERNATIONAL CONFERENCE ON BEAUTY, CHARM AND HYPERON HADRONS (BEACH 2018). ISSN 1742-6588, 2019, vol. 1137., Registrované v:

WOS

31. [1.1] GODIZOV, A. A. Effective transverse radius of nucleon in high-energy elastic diffractive scattering. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 224., Registrované v: WOS
32. [1.1] GODIZOV, A. A. Hard pomeron impact on the high-energy elastic scattering of nucleons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 034023., Registrované v: WOS
33. [1.1] GONCALVES, V.P. - DA SILVA, R.P. - SILVA, P.V.R.G. Diffractive excitation in pp and pA collisions at high energies. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 18 2019, vol. 100, no. 1., Registrované v: WOS
34. [1.1] GONCALVES, V.P. - SILVA, P.V.R.G. The Phillips-Barger model for the elastic cross section and the Odderon. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 15 2019, vol. 79, no. 3., Registrované v: WOS
35. [1.1] HARLAND-LANG, L. A. - KHOZE, V. A. - RYSKIN, M. G. The production of a diphoton resonance via photon-photon fusion. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 182., Registrované v: WOS
36. [1.1] HASSAN, M.A. - HEFNY, A.A.E. - SALAMA, T.N.E. Three-quark force effect in proton-proton scattering at 7, 8 and 13 TeV. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 16 2019, vol. 79, no. 7., Registrované v: WOS
37. [1.1] CHOUDHURY, D. K. - SAIKIA, Baishali. Froissart bound and self-similarity based models of proton structure functions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 8, art. no. 1850046., Registrované v: WOS
38. [1.1] CHUDAK, N.O. - MERKOTAN, K.K. - PTASHYNSKIY, D.A. - POTIIENKO, O.S. - SHARPH, I.V. - BREGID, V.I. THE CALCULATION OF THE DIFFERENTIAL CROSS SECTION OF HADRON ELASTIC SCATTERING BY TRANSFERRED FOUR-MOMENTUM WITHIN THE PERTURBATION THEORY. In JOURNAL OF PHYSICAL STUDIES. ISSN 1027-4642, 2019, vol. 23, no. 1., Registrované v: WOS
39. [1.1] JENKOVSZKY, Laszlo - SCHICKER, Rainer - SZANYI, Istvan. Elastic and diffractive scatterings in the LHC era. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, 2018, vol. 27, no. 8, art. no. 1830005., Registrované v: WOS
40. [1.1] JENKOVSZKY, Laszlo - SZANYI, Istvan - TAN, Chung-I. Shape of proton and the pion cloud. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 7, art. no. 116., Registrované v: WOS
41. [1.1] KHOZE, V. A. - MARTIN, A. D. - RYSKIN, M. G. Elastic and diffractive scattering at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 784, pp. 192-198., Registrované v: WOS
42. [1.1] KHOZE, V. A. - MARTIN, A. D. - RYSKIN, M. G. Elastic proton-proton scattering at 13 TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 034019., Registrované v: WOS
43. [1.1] KHOZE, V.A. - MARTIN, A.D. - RYSKIN, M.G. Bethe phase including proton excitations. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 30 2020, vol. 101, no. 1., Registrované v: WOS

44. [1.1] KOHARA, A. K. - FERREIRA, E. - KODAMA, T. - RANGEL, M. Elastic amplitudes studied with the LHC measurements at 7 and 8TeV. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 877., Registrované v: WOS
45. [1.1] KOHARA, A.K. Forward scattering amplitudes of pp and p(p)over-bar with crossing symmetry and scaling properties. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, DEC 2019, vol. 46, no. 12., Registrované v: WOS
46. [1.1] KOPELIOVICH, B. Z. - POTASHNIKOVA, I. K. - SCHMIDT, Ivan - PIRNER, H. J. - REYGERS, K. Pion-pion cross section from proton-proton collisions at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 054030., Registrované v: WOS
47. [1.1] LEBIEDOWICZ, P. - MACIULA, R. - SZCZUREK, A. Production of f(0)(980) meson at the LHC: Color evaporation versus color-singlet gluon-gluon fusion. In PHYSICS LETTERS B. ISSN 0370-2693, JUL 10 2020, vol. 806., Registrované v: WOS
48. [1.1] LEBIEDOWICZ, P. - SZCZUREK, A. Production of f(2) (1270) meson in pp collisions at the LHC via gluon-gluon fusion in the k(t)-factorization approach. In PHYSICS LETTERS B. ISSN 0370-2693, NOV 10 2020, vol. 810., Registrované v: WOS
49. [1.1] LOIZIDES, Constantin - KAMIN, Jason - D'ENTERRIA, David. Improved Monte Carlo Glauber predictions at present and future nuclear colliders. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 5, art. no. 054910., Registrované v: WOS
50. [1.1] MARTIN, Andre - ROY, S. M. Froissart bound on inelastic cross section without unknown constants. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 7, art. no. 076006., Registrované v: WOS
51. [1.1] MARTYNOV, E. - NICOLESCU, B. Evidence for maximality of strong interactions from LHC forward data. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 786, pp. 207-211., Registrované v: WOS
52. [1.1] NAYAK, A.K. - MAHARANA, J. Froissart bound, diffraction scattering of hadrons, and scaling at asymptotic energies. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 14 2020, vol. 102, no. 3., Registrované v: WOS
53. [1.1] OKOROKOV, V. A. Energy Dependence of Slope Parameter in Elastic Nucleon-Nucleon Scattering. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 914170., Registrované v: WOS
54. [1.1] OKOROKOV, V. A. - CAMPOS, S. D. Analysis of pp and (p)over-bar elastic scatterings based on theoretical bounds in high-energy physics: An update. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 28-29, art. no. 1750175., Registrované v: WOS
55. [1.1] OSTAPCHENKO, Sergey - BLEICHER, Marcus. Constraining pion interactions at very high energies by cosmic ray data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 051501., Registrované v: WOS
56. [1.1] OSTAPCHENKO, Sergey - BLEICHER, Marcus. Rapidity gap survival in enhanced Pomeron scheme. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 1, art. no. 67., Registrované v: WOS
57. [1.1] OSTAPCHENKO, Sergey. Cosmic Ray Interaction Models: an

- Overview. In XLV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2015). ISSN 2100-014X, 2016, vol. 120, art. no. UNSP 04003., Registrované v: WOS
58. [1.1] OSTAPCHENKO, Sergey. Constraints on high energy interaction models from LHC and cosmic ray data. In 19TH INTERNATIONAL SEMINAR ON HIGH ENERGY PHYSICS (QUARKS-2016). ISSN 2100-014X, 2016, vol. 125, art. no. UNSP 03013., Registrované v: WOS
59. [1.1] OSTAPCHENKO, S. High energy interactions of cosmic rays. In ADVANCES IN SPACE RESEARCH. ISSN 0273-1177, DEC 15 2019, vol. 64, no. 12, SI, p. 2445-2458., Registrované v: WOS
60. [1.1] OSTAPCHENKO, S. High energy cosmic ray interactions and UHECR composition problem. In ULTRA HIGH ENERGY COSMIC RAYS 2018 (UHECR 2018). ISSN 2100-014X, 2019, vol. 210., Registrované v: WOS
61. [1.1] OSTAPCHENKO, S. QGSJET-III model: physics and preliminary results. In XX INTERNATIONAL SYMPOSIUM ON VERY HIGH ENERGY COSMIC RAY INTERACTIONS (ISVHECRI 2018). ISSN 2100-014X, 2019, vol. 208., Registrované v: WOS
62. [1.1] OSTAPCHENKO, S. - BLEICHER, M. Taming the Energy Rise of the Total Proton-Proton Cross-Section. In UNIVERSE. ISSN 2218-1997, MAY 2019, vol. 5, no. 5., Registrované v: WOS
63. [1.1] PANCHERI, Giulia - SRIVASTAVA, Yogendra N. Introduction to the physics of the total cross section at LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 3, art. no. 150., Registrované v: WOS
64. [1.1] PECCINI, G.M. - KOPP, F. - MACHADO, M.V.T. - FAGUNDES, D.A. Soft diffraction within the QCD color dipole picture. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 29 2020, vol. 101, no. 7., Registrované v: WOS
65. [1.1] PETROV, Vladimir. Hadron Diffraction: Results and Problems. In 19TH INTERNATIONAL SEMINAR ON HIGH ENERGY PHYSICS (QUARKS-2016). ISSN 2100-014X, 2016, vol. 125, art. no. UNSP 02019., Registrované v: WOS
66. [1.1] RIEHN, F. - ENGEL, R. - FEDYNITCH, A. - GAISSER, T.K. - STANEV, T. Hadronic interaction model SIBYLL 2.3d and extensive air showers. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 3 2020, vol. 102, no. 6., Registrované v: WOS
67. [1.1] ROY, S. M. Pomeron pole plus grey disk model: Real parts, inelastic cross sections and LHC data. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 764, pp. 180-185., Registrované v: WOS
68. [1.1] SAMOKHIN, A. P. Correlations among elastic and inelastic cross-sections and slope parameter. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 786, pp. 100-105., Registrované v: WOS
69. [1.1] SELYUGIN, O. V. The energy dependence of the diffraction minimum in the elastic scattering and new LHC data. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 959, pp. 116-128., Registrované v: WOS
70. [1.1] SELYUGIN, O. V. - CUDELL, J.R. An Analysis of the New LHC Data through the Dispersion Relations. In DIFFRACTION 2016: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2017, vol. 1819, art. no. UNSP 040017-1., Registrované v: WOS

71. [1.1] SKANDS, Peter. Modelling hadronic interactions in HEP MC generators. In 18TH INTERNATIONAL SYMPOSIUM ON VERY HIGH ENERGY COSMIC RAY INTERACTIONS (ISVHECRI 2014). ISSN 2100-014X, 2015, vol. 99, art. no. 09001., Registrované v: WOS
72. [1.1] SOFFER, Jacques - BOURRELY, Claude - WU, Tai Tsun. Impact picture for near-forward elastic scattering up to LHC energies. In DIFFRACTION 2014: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2015, vol. 1654, art. no. 050008., Registrované v: WOS
73. [1.1] STARK, Simon Holm. Measurements of the elastic, inelastic and total rho rho cross sections with the ATLAS, CMS and TOTEM detectors. In XLVI INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2016). ISSN 2100-014X, 2017, vol. 141, art. no. UNSP 03007., Registrované v: WOS
74. [1.1] SZILARD, D. - KODAMA, T. Comparative study between Glauber-Velasco and the Stochastic Vacuum models for high energy hadronic collision. In XIII INTERNATIONAL WORKSHOP ON HADRON PHYSICS, SECTIONS 1-5. ISSN 1742-6588, 2016, vol. 706, art. no. UNSP 052009., Registrované v: WOS
75. [1.1] VIDAL, X. Cid. QCD RESULTS IN THE FORWARD REGION (LHCb). In INTERNATIONAL MEETING: EXCITED QCD, 2016. ISSN 1899-2358, 2016, vol. 9, no. 3, pp. 433-439., Registrované v: WOS

ADCA530 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of the total cross section from elastic scattering in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Physics Letters B*, 2016, vol. 761, p. 158-178. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2016.08.020>

Ohlasy:

1. [1.1] ANCHORDOQUI, L.A. - BERGMAN, D.R. - BERTAINA, M.E. - FENU, F. - KRIZMANIC, J.F. - LIBERATORE, A. - OLINTO, A.V. - RENO, M.H. - SARAZIN, F. - SHINOZAKI, K. - SORIANO, J.F. - ULRICH, R. - UNGER, M. - VENTERS, T.M. - WIENCKE, L. Performance and science reach of the Probe of Extreme Multimessenger Astrophysics for ultrahigh-energy particles. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 24 2020, vol. 101, no. 2., Registrované v: WOS
2. [1.1] APEL, W. D. - ARTEAGA-VELAZQUEZ, J. C. - BEKK, K. - BERTAINA, M. - BLUEMER, J. - BOZDOG, H. - BRANCUS, I. M. - CANTONI, E. - CHIAVASSA, A. - COSSAVELLA, F. - DAUMILLER, K. - DE SOUZA, V. - DI PIERRO, F. - DOLL, P. - ENGEL, R. - FUHRMANN, D. - GHERGHEL-LASCU, A. - GILS, H. J. - GLASSTETTER, R. - GRUPEN, C. - HAUNGS, A. - HECK, D. - HOERANDEL, J. R. - HUEGE, T. - KAMPERT, K.H. - KANG, D. - KLAGES, H. O. - LINK, K. - LUCZAK, P. - MATHES, H. J. - MAYER, H. J. - MILKE, J. - MITRICA, B. - MORELLO, C. - OEHLSCHLAEGER, J. - OSTAPCHENKO, S. - PIEROG, T. - REBEL, H. - ROTH, M. - SCHIELER, H. - SCHOO, S. - SCHROEDER, F. G. - SIMA, O. - TOMA, G. - TRINCHERO, G. C. - ULRICH, H. - WEINDL, A. - WOCHLE, J. - ZABIEROWSKI, J. Probing the evolution of the EAS muon content in the

- atmosphere with KASCADE-Grande. In ASTROPARTICLE PHYSICS. ISSN 0927-6505, 2017, vol. 95, pp. 25-43., Registrované v: WOS
3. [1.1] BAHIA, Carlos A. S. - BROILO, Mateus - LUNA, Emerson G. S. Regge Phenomenology at LHC Energies. In PROCEEDINGS OF THE 7TH INTERNATIONAL WORKSHOP ON ASTRONOMY AND RELATIVISTIC ASTROPHYSICS (IWARA 2016). ISSN 2010-1945, 2017, vol. 45, art. no. UNSP 1760064., Registrované v: WOS
 4. [1.1] BHATT, M. - SUSHCH, I. - POHL, M. - FEDYNITCH, A. - DAS, S. - BROSE, R. - PLOTKO, P. - MEYER, D.M.A. Production of secondary particles in heavy nuclei interactions in supernova remnants. In ASTROPARTICLE PHYSICS. ISSN 0927-6505, DEC 2020, vol. 123., Registrované v: WOS
 5. [1.1] BROILO, M. - FAGUNDES, D.A. - LUNA, E.G.S. - MENON, M.J. Proton-proton forward scattering at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2019, vol. 799., Registrované v: WOS
 6. [1.1] BROILO, M. - FAGUNDES, D.A. - LUNA, E.G.S. - MENON, M.J. Forward elastic scattering: dynamical gluon mass and semihard interactions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 2019, vol. 79, no. 12., Registrované v: WOS
 7. [1.1] BROILO, M. - GONCALVES, V.P. - SILVA, P.V.R.G. Investigating the impact of the partonic structure on the description of hadronic collisions at high energies. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, AUG 10 2020, vol. 35, no. 22., Registrované v: WOS
 8. [1.1] BROILO, M. - GONCALVES, V.P. - SILVA, P.V.R.G. Model of diffractive excitation in pp collisions at high energies. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 28 2020, vol. 101, no. 7., Registrované v: WOS
 9. [1.1] BROILO, M. - LUNA, E. G. S. - MENON, M. J. Soft pomerons and the forward LHC data. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 781, pp. 616-620., Registrované v: WOS
 10. [1.1] BRONIOWSKI, Wojciech - RUIZ ARRIOLA, Enrique. HOLLOWNESS IN pp SCATTERING. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 6, pp. 927-937., Registrované v: WOS
 11. [1.1] CAMPOS, S.D. Proton internal pressure in pp and (p)over-bar-p elastic scattering. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, APR 10 2019, vol. 34, no. 10., Registrované v: WOS
 12. [1.1] DREMIN, I. M. Elastic scattering and spatial inelastic profiles of high energy protons. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 14, art. no. 1750073., Registrované v: WOS
 13. [1.1] DREMIN, I. M. Unexpected properties of interaction of high-energy protons. In PHYSICS-USPEKHI. ISSN 1063-7869, 2017, vol. 60, no. 4, pp. 333-344., Registrované v: WOS
 14. [1.1] DREMIN, I. M. - NECHITAILO, V. A. - WHITE, S. N. Central and peripheral interactions of hadrons. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 910., Registrované v: WOS
 15. [1.1] DURAND, L. - HA, P. Eikonal and asymptotic fits to high-energy data for sigma,rho, and B: An update with curvature corrections. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 9 2019, vol. 99, no. 1.,

Registrované v: WOS

16. [1.1] EVANS, Jared A. Detecting hidden particles with MATHUSLA. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055046., Registrované v: WOS

17. [1.1] FAGUNDES, Daniel A. - GRAU, Agnes - PANCHERI, Giulia - SHEKHOVTSOVA, Olga - SRIVASTAVA, Yogendra N. Inelastic cross section and survival probabilities at the LHC in minijet models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 054010., Registrované v: WOS

18. [1.1] FAGUNDES, D. A. - MENON, M. J. - SILVA, P. V. R. G. Leading components in forward elastic hadron scattering: Derivative dispersion relations and asymptotic uniqueness. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 32, art. no. 1750184., Registrované v: WOS

19. [1.1] FAGUNDES, D. A. - MENON, M. J. - SILVA, P. V. R. G. Bounds on the rise of total cross section from LHC7 and LHC8 data. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 966, pp. 185-196., Registrované v: WOS

20. [1.1] FENG, Jonathan L. - GALON, Iftah - KLING, Felix - TROJANOWSKI, Sebastian. Forward Search Experiment at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 035001., Registrované v: WOS

21. [1.1] FERREIRA, E. - KOHARA, A. K. - SESMA, J. Structure of forward pp and p(p)over-bar elastic amplitudes at low energies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 094029., Registrované v: WOS

22. [1.1] GIORDANO, M. - MEGGIOLARO, E. - SILVA, P. V. R. G. Investigation of the leading and subleading high-energy behavior of hadron-hadron total cross sections using a best-fit analysis of hadronic scattering data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 034015., Registrované v: WOS

23. [1.1] GIUBEGA, L.E. Soft QCD and CEP at LHCb. In XIII INTERNATIONAL CONFERENCE ON BEAUTY, CHARM AND HYPERON HADRONS (BEACH 2018). ISSN 1742-6588, 2019, vol. 1137., Registrované v: WOS

24. [1.1] GODIZOV, A.A. Two-Pomeron eikonal approximation for the high-energy elastic diffractive scattering of nucleons. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 22 2020, vol. 101, no. 7., Registrované v: WOS

25. [1.1] GONCALVES, V.P. - DA SILVA, R.P. - SILVA, P.V.R.G. Diffractive excitation in pp and pA collisions at high energies. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 18 2019, vol. 100, no. 1., Registrované v: WOS

26. [1.1] GONCALVES, V.P. - SILVA, P.V.R.G. The Phillips-Barger model for the elastic cross section and the Odderon. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 15 2019, vol. 79, no. 3., Registrované v: WOS

27. [1.1] HASSAN, M.A. - HEFNY, A.A.E. - SALAMA, T.N.E. Three-quark force effect in proton-proton scattering at 7, 8 and 13 TeV. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 16 2019, vol. 79, no. 7., Registrované v: WOS

28. [1.1] JENKOVSZKY, Laszlo - SCHICKER, Rainer - SZANYI,

- Istvan. Elastic and diffractive scatterings in the LHC era. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, 2018, vol. 27, no. 8, art. no. 1830005., Registrované v: WOS
29. [1.1] JENKOVŠKY, Laszlo - SZANYI, Istvan - TAN, Chung-I. Shape of proton and the pion cloud. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 7, art. no. 116., Registrované v: WOS
30. [1.1] KHOZE, V. A. - MARTIN, A. D. - RYSKIN, M. G. Elastic and diffractive scattering at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 784, pp. 192-198., Registrované v: WOS
31. [1.1] KOHARA, A. K. - FERREIRA, E. - KODAMA, T. - RANGEL, M. Elastic amplitudes studied with the LHC measurements at 7 and 8TeV. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 877., Registrované v: WOS
32. [1.1] KOHARA, A.K. Forward scattering amplitudes of pp and p(p)over-bar with crossing symmetry and scaling properties. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, DEC 2019, vol. 46, no. 12., Registrované v: WOS
33. [1.1] LOIZIDES, Constantin - KAMIN, Jason - D'ENTERRIA, David. Improved Monte Carlo Glauber predictions at present and future nuclear colliders. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 5, art. no. 054910., Registrované v: WOS
34. [1.1] MACHADO, Mairon M. - MACHADO, Magno V. T. Total, Elastic and Single Diffractive Cross Sections for LHC Energies. In PROCEEDINGS OF THE 7TH INTERNATIONAL WORKSHOP ON ASTRONOMY AND RELATIVISTIC ASTROPHYSICS (IWARA 2016). ISSN 2010-1945, 2017, vol. 45, art. no. UNSP 1760062., Registrované v: WOS
35. [1.1] MERAFINA, M. - SATURNI, F.G. - CURCEANU, C. - DEL GRANDE, R. - PISCICCHIA, K. Self-gravitating strange dark matter halos around galaxies. In PHYSICAL REVIEW D. ISSN 1550-7998, OCT 15 2020, vol. 102, no. 8., Registrované v: WOS
36. [1.1] NAYAK, A.K. - MAHARANA, J. Froissart bound, diffraction scattering of hadrons, and scaling at asymptotic energies. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 14 2020, vol. 102, no. 3., Registrované v: WOS
37. [1.1] OKOROKOV, V. A. - CAMPOS, S. D. Analysis of pp and (p)over-bar elastic scatterings based on theoretical bounds in high-energy physics: An update. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 28-29, art. no. 1750175., Registrované v: WOS
38. [1.1] OSTAPCHENKO, Sergey - BLEICHER, Marcus. Rapidity gap survival in enhanced Pomeron scheme. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 1, art. no. 67., Registrované v: WOS
39. [1.1] OSTAPCHENKO, S. High energy interactions of cosmic rays. In ADVANCES IN SPACE RESEARCH. ISSN 0273-1177, DEC 15 2019, vol. 64, no. 12, SI, p. 2445-2458., Registrované v: WOS
40. [1.1] OSTAPCHENKO, S. High energy cosmic ray interactions and UHECR composition problem. In ULTRA HIGH ENERGY COSMIC RAYS 2018 (UHECR 2018). ISSN 2100-014X, 2019, vol. 210., Registrované v: WOS
41. [1.1] OSTAPCHENKO, S. - BLEICHER, M. Taming the Energy Rise of the Total Proton-Proton Cross-Section. In UNIVERSE. ISSN 2218-1997,

MAY 2019, vol. 5, no. 5., Registrované v: WOS

42. [1.1] PANCHERI, Giulia - SRIVASTAVA, Yogendra N. Introduction to the physics of the total cross section at LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 3, art. no. 150., Registrované v: WOS
43. [1.1] PECCINI, G.M. - KOPP, F. - MACHADO, M.V.T. - FAGUNDES, D.A. Soft diffraction within the QCD color dipole picture. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 29 2020, vol. 101, no. 7., Registrované v: WOS
44. [1.1] PETROV, V. A. - OKOROKOV, V. A. The size seems to matter or where lies the "asymptopia"? In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 13, art. no. 1850077., Registrované v: WOS
45. [1.1] RADI, A. Studying total proton-proton cross section collision at large hadron collider using gene expression programming. In FRONTIERS IN THEORETICAL AND APPLIED PHYSICS/UAЕ 2017 (FTAPS 2017). ISSN 1742-6588, 2017, vol. 869, art. no. UNSP 012049., Registrované v: WOS
46. [1.1] ROYON, C. - BALDENEGRO, C. Diffraction and photon exchange processes at the LHC and parton saturation. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, MAR 2020, vol. 35, no. 8., Registrované v: WOS
47. [1.1] SAMOKHIN, A. P. Correlations among elastic and inelastic cross-sections and slope parameter. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 786, pp. 100-105., Registrované v: WOS
48. [1.1] SELYUGIN, O. V. - CUDELL, J.R. An Analysis of the New LHC Data through the Dispersion Relations. In DIFFRACTION 2016: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2017, vol. 1819, art. no. UNSP 040017-1-, Registrované v: WOS
49. [1.1] STARK, Simon Holm. Measurements of the elastic, inelastic and total $\rho\rho$ cross sections with the ATLAS, CMS and TOTEM detectors. In XLVI INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2016). ISSN 2100-014X, 2017, vol. 141, art. no. UNSP 03007., Registrované v: WOS
50. [1.1] TODESCO, E. - WENNINGER, J. Large Hadron Collider momentum calibration and accuracy. In PHYSICAL REVIEW ACCELERATORS AND BEAMS. ISSN 2469-9888, 2017, vol. 20, no. 8, art. no. 081003., Registrované v: WOS
51. [1.1] TROSHIN, S. M. - TYURIN, N. E. Comment on the energy dependence of the slope parameter. In EPL. ISSN 0295-5075, 2018, vol. 124, no. 2, art. no. 21001., Registrované v: WOS

ADCA531 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the transverse momentum and $\phi(\eta)^*$ distributions of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *European Physical Journal C*, 2016, vol. 76, no. 5, art. no. 291. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4070-4>

Ohlasy:

1. [1.1] ARPINO, L. - BANFI, A. - JAGER, S. - KAUER, N. BSM WW production with a jet veto. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 13 2019, no. 8., Registrované v: WOS
2. [1.1] BACCHETTA, A. - BERTONE, V. - BISSOLOTTI, C. - BOZZI, G. - DELCARRO, F. - PIACENZA, F. - RADICI, M. Transverse-momentum-dependent parton distributions up to (NLL)-L-3 from Drell-Yan data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 17 2020, no. 7., Registrované v: WOS
3. [1.1] BACCHETTA, A. - BOZZI, G. - LAMBERTSEN, M. - PIACENZA, F. - STEIGLECHNER, J. - VOGELSANG, W. Difficulties in the description of Drell-Yan processes at moderate invariant mass and high transverse momentum. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 22 2019, vol. 100, no. 1., Registrované v: WOS
4. [1.1] BACCHETTA, A. - ECHEVARRIA, M.G. QCD x QED evolution of TMDs. In PHYSICS LETTERS B. ISSN 0370-2693, JAN 10 2019, vol. 788, p. 280-287., Registrované v: WOS
5. [1.1] BAGNASCHI, Emanuele - MALTONI, Fabio - VICINI, Alessandro - ZARO, Marco. Lepton-pair production in association with a $b(b)$ -over-bar pair and the determination of the W boson mass. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 101., Registrované v: WOS
6. [1.1] BALL, Richard D. - BERTONE, Valerio - CARRAZZA, Stefano - DEL DEBBIO, Luigi - FORTE, Stefano - GROTH-MERRILD, Patrick - GUFFANTI, Alberto - HARTLAND, Nathan P. - KASSABOV, Zahari - LATORRE, Jose I. - NOCERA, Emanuele R. - ROJO, Juan - ROTTOLI, Luca - SLADE, Emma - UBIALI, Maria. Parton distributions from high-precision collider data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 10, art. no. 663., Registrované v: WOS
7. [1.1] BALL, Richard D. - BERTONE, Valerio - BONVINI, Marco - MARZANI, Simone - ROJO, Juan - ROTTOLI, Luca. Parton distributions with small-x resummation: evidence for BFKL dynamics in HERA data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 321., Registrované v: WOS
8. [1.1] BALL, R.D. - NOCERA, E.R. - PEARSON, R.L. Nuclear uncertainties in the determination of proton PDFs: NNPDF Collaboration. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS
9. [1.1] BECHER, T. - HAGER, M. Event-based transverse momentum resummation. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 8 2019, vol. 79, no. 8., Registrované v: WOS
10. [1.1] BERTONE, Valerio - CARRAZZA, Stefano - HARTLAND, Nathan P. - ROJO, Juan. Illuminating the photon content of the proton within a global PDF analysis. In SCIPOST PHYSICS. ISSN 2542-4653, 2018, vol. 5, no. 1, art. no. 008., Registrované v: WOS
11. [1.1] BERTONE, V. - SCIMEMI, I. - VLADIMIROV, A. Extraction of unpolarized quark transverse momentum dependent parton distributions from Drell-Yan/Z-boson production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 10 2019, no. 6., Registrované v: WOS
12. [1.1] BILLIS, G. - TACKMANN, F.J. - TALBERT, J. Higher-order

Sudakov resummation in coupled gauge theories. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 30 2020, no. 3., Registrované v: WOS

13. [1.1] BIZON, W. - GEHRMANN-DE RIDDER, A. - GEHRMANN, T. - GLOVER, N. - HUSS, A. - MONNI, P.F. - RE, E. - ROTTOLI, L. - WALKER, D.M. The transverse momentum spectrum of weak gauge bosons at (NLL)-L-3 + NNLO. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 2019, vol. 79, no. 10., Registrované v: WOS

14. [1.1] BOGGIA, M. - CRUZ-MARTINEZ, J. M. - FRELLESVIG, H. - GLOVER, N. - GOMEZ-AMBROSIO, R. - GONELLA, G. - HADDAD, Y. - ILNICKA, A. - JONES, S. - KASSABOV, Z. - KRAUSS, F. - MEGY, T. - MELINI, D. - NAPOLETANO, D. - PASSARINO, G. - PATEL, S. - RODRIGUEZ-VAZQUEZ, M. - WOLF, T. The HiggsTools handbook: a beginners guide to decoding the Higgs sector. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 6, art. no. 065004., Registrované v: WOS

15. [1.1] BRODSKY, S.J. - LYKASOV, G.I. - LIPATOV, A.V. - SMIESKO, J. Novel heavy-quark physics phenomena. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, SEP 2020, vol. 114., Registrované v: WOS

16. [1.1] CARRAZZA, S. - NOCERA, E.R. - SCHWAN, C. - ZARO, M. PineAPPL: combining EW and QCD corrections for fast evaluation of LHC processes. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 17 2020, no. 12., Registrované v: WOS

17. [1.1] D'ENTERRIA, D. - POLDARU, A. Extraction of the strong coupling $\alpha(s)(m(Z))$ from a combined NNLO analysis of inclusive electroweak boson cross sections at hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 1 2020, no. 6., Registrované v: WOS

18. [1.1] EBERT, M.A. - MISTLBERGER, B. - VITA, G. Transverse momentum dependent PDFs at (NLO)-L-3. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 22 2020, no. 9., Registrované v: WOS

19. [1.1] EBERT, M.A. - TACKMANN, F.J. Impact of isolation and fiducial cuts on $q(T)$ and N-jettiness subtractions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 26 2020, no. 3., Registrované v: WOS

20. [1.1] FARINA, M. - MONDINO, C. - PAPPADOPULO, D. - RUDERMAN, J.T. New physics from high energy tops. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 31 2019, no. 1., Registrované v: WOS

21. [1.1] FORTE, S. - LEVY, A. - RIDOLFI, G. From My Vast Repertoire ... Guido Altarelli's Legacy Preface. In FROM MY VAST REPERTOIRE ... : GUIDO ALTARELLI'S LEGACY. 2019, p. V-+., Registrované v: WOS

22. [1.1] GEHRMANN-DE RIDDER, A. - GEHRMANN, T. - GLOVER, E. W. N. - HUSS, A. - MORGAN, T. A. NNLO QCD corrections for Drell-Yan $p_{T,Z}$ and ϕ^* observables at the LHC (vol 11, 094, 2016). In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 126., Registrované v: WOS

23. [1.1] GEHRMANN-DE RIDDER, A. - GEHRMANN, T. - GLOVER,

- E. W. N. - HUSS, A. - WALKER, D. M. Next-to-Next-to-Leading-Order QCD Corrections to the Transverse Momentum Distribution of Weak Gauge Bosons. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 12, art. no. 122001., Registrované v: WOS
24. [1.1] HARLAND-LANG, L.A. The proton in high definition: revisiting photon-initiated production in high energy collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 23 2020, no. 3., Registrované v: WOS
25. [1.1] HAUTMANN, F. - KEERSMAEKERS, L. - LELEK, A. - VAN KAMPEN, A.M. Dynamical resolution scale in transverse momentum distributions at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, DEC 2019, vol. 949., Registrované v: WOS
26. [1.1] HAUTMANN, F. - SCIMEMI, I. - VLADIMIROV, A. Non-perturbative contributions to vector-boson transverse momentum spectra in hadronic collisions. In PHYSICS LETTERS B. ISSN 0370-2693, JUL 10 2020, vol. 806., Registrované v: WOS
27. [1.1] HOBBS, T.J. - WANG, B.T. - NADOLSKY, P.M. - OLNES, F.I. Charting the coming synergy between lattice QCD and high-energy phenomenology. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 27 2019, vol. 100, no. 9., Registrované v: WOS
28. [1.1] JADACH, S. - WARD, B. F. L. - WAS, Z. A. - YOST, S. A. KK MC-hh: Resumed exact $O(\alpha_L^2)$ EW corrections in a hadronic MC event generator. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 074006., Registrované v: WOS
29. [1.1] JADACH, S. - WARD, B.F.L. - WAS, Z. - YOST, S.A. Systematic studies of exact $O(\alpha_L^2)$ CEEEX EW corrections in a hadronic MC for precision Z/γ^* physics at LHC energies. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 30 2019, vol. 99, no. 7., Registrované v: WOS
30. [1.1] KHALEK, R.A. - BALL, R.D. - CARRAZZA, S. - FORTE, S. - GIANI, T. - KASSABOV, Z. - PEARSON, R.L. - NOCERA, E.R. - ROJO, J. - ROTTOLI, L. - UBIALI, M. - VOISEY, C. - WILSON, M. Parton distributions with theory uncertainties: general formalism and first phenomenological studies NNPDF Collaboration. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
31. [1.1] KHALEK, R.A. - FORTE, S. - GEHRMANN, T. - GEHRMANN-DE RIDDER, A. - GIANI, T. - GLOVER, N. - HUSS, A. - NOCERA, E.R. - PIRES, J. - ROJO, J. - STAGNITTO, G. Phenomenology of NNLO jet production at the LHC and its impact on parton distributions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 31 2020, vol. 80, no. 8., Registrované v: WOS
32. [1.1] KRAUSS, F. - LINDERT, J.M. - LINTEN, R. - SCHONHERR, M. Accurate simulation of W, Z, and Higgs boson decays in Sherpa. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 19 2019, vol. 79, no. 2., Registrované v: WOS
33. [1.1] MANOHAR, Aneesh - NASON, Paolo - SALAM, Gavin P. - ZANDERIGHI, Giulia. How Bright is the Proton? A Precise Determination of the Photon Parton Distribution Function. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 117, no. 24, art. no. 242002., Registrované v: WOS
34. [1.1] MARTINEZ, A.B. - CONNOR, P.L.S. - DAMIANI, D.D. - BANOS, L.I.E. - HAUTMANN, F. - JUNG, H. - LIDRYCH, J. - SCHMITZ, M.

- MONFARED, S.T. - WANG, Q. - ZLEBCEK, R. Production of Z bosons in the parton branching method. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 24 2019, vol. 100, no. 7., Registrované v: WOS
35. [1.1] NOCERA, E.R. - UBIALI, M. - VOISEY, C. Single top production in PDF fits. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 14 2020, no. 5., Registrované v: WOS
36. [1.1] SCIMEMI, Ignazio - VLADIMIROV, Alexey. Systematic analysis of double-scale evolution. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 003., Registrované v: WOS
37. [1.1] SCIMEMI, Ignazio - VLADIMIROV, Alexey. Analysis of vector boson production within TMD factorization. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 2, art. no. 89., Registrované v: WOS
38. [1.1] SCIMEMI, I. A Short Review on Recent Developments in TMD Factorization and Implementation. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2019, vol. 2019., Registrované v: WOS
39. [1.1] SCIMEMI, I. - VLADIMIROV, A. Non-perturbative structure of semi-inclusive deep-inelastic and Drell-Yan scattering at small transverse momentum. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 23 2020, no. 6., Registrované v: WOS
40. [1.1] SUN, Peng - ISAACSON, Joshua - YUAN, C.P. - YUAN, Feng. Nonperturbative functions for SIDIS and Drell-Yan processes. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 11, art. no. 1841006., Registrované v: WOS

ADCA532 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCÉI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the transverse momentum distribution of Z/gamma* bosons in proton-proton collisions at root s=7 TeV with the ATLAS detector. In *Physics Letters B*, 2011, vol. 705, no. 5, p. 415-434. (2010: 5.255 - IF, Q1 - JCR, 3.103 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2011.10.018>

Ohlasy:

1. [1.1] BELLM, J. - BEWICK, G. - RAVASIO, S.F. - GIESEKE, S. - GRELLSCHEID, D. - KIRCHGAESSER, P. - LOSHAJ, F. - MASOUMINIA, M.R. - NAIL, G. - PAPAESTATHIOU, A. - PLATZER, S. - PODSKUBKA, R. - RAUCH, M. - REUSCHLE, C. - RICHARDSON, P. - SCHICHTEL, P. - SEYMOUR, M.H. - SIODMOK, A. - WEBSTER, S. Herwig 7.2 release note. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 20 2020, vol. 80, no. 5., Registrované v: WOS
2. [1.1] BIEDERMANN, Benedikt - DENNER, Ansgar - DITTMAIER, Stefan - HOFER, Lars - JAEGER, Barbara. Next-to-leading-order electroweak corrections to the production of four charged leptons at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 1, art. no. 033., Registrované v: WOS
3. [1.1] DENNER, A. - DITTMAIER, S. Electroweak radiative corrections for collider physics. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, JUN 10 2020, vol. 864, p. 1-163., Registrované v: WOS
4. [1.1] EBERT, M.A. - MISTLBERGER, B. - VITA, G. Transverse

- momentum dependent PDFs at (NLO)-L-3. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 22 2020, no. 9., Registrované v: WOS
5. [1.1] EBERT, M.A. - STEWART, I.W. - ZHAO, Y. Towards quasi-transverse momentum dependent PDFs computable on the lattice. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 5 2019, no. 9., Registrované v: WOS
 6. [1.1] EBERT, M.A. - STEWART, I.W. - ZHAO, Y. Renormalization and matching for the Collins-Soper kernel from lattice QCD. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 17 2020, no. 3., Registrované v: WOS
 7. [1.1] GAO, Jun - HARLAND-LANG, Lucian - ROJO, Juan. The structure of the proton in the LHC precision era. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2018, vol. 742, pp. 1-121., Registrované v: WOS
 8. [1.1] GIUDICE, Gian Francesco. Collider Physics within the Standard Model A Primer Foreword. In COLLIDER PHYSICS WITHIN THE STANDARD MODEL: A PRIMER. ISSN 0075-8450, 2017, vol. 937, pp. V-+., Registrované v: WOS
 9. [1.1] HAUTMANN, F. - JUNG, H. Hadron structure beyond collinear level and precision DIS measurements. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. UNSP 07004., Registrované v: WOS
 10. [1.1] HOECHE, Stefan - LI, Ye - PRESTEL, Stefan. Drell-Yan lepton pair production at NNLO QCD with parton showers. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 7, art. no. 074015., Registrované v: WOS
 11. [1.1] MARZANI, Simone - THEEUWES, Vincent. Vector boson production in joint resummation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 2, art. no. 127., Registrované v: WOS
 12. [1.1] MUKHOPADHYAY, A. - WARD, B. F. L. Interplay between IR-improved DGLAP-CS theory and the precision of an NLO ME matched parton shower MC in relation to LHCb data. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 11, art. no. 1650063., Registrované v: WOS
 13. [1.1] ROLPH, Andrew - UBIALI, Maria. PDFs and LHC data: current and future constraints. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. UNSP 07001., Registrované v: WOS
 14. [1.1] RU, Peng - ZHANG, Ben-Wei - CHENG, Luan - WANG, Enke - ZHANG, Wei-Ning. Production of $Z(0)$ and W^+/W^- in relativistic heavy-ion collisions at the LHC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 8, art. no. 085104., Registrované v: WOS
 15. [1.1] SUN, Peng - ISAACSON, Joshua - YUAN, C.P. - YUAN, Feng. Nonperturbative functions for SIDIS and Drell-Yan processes. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 11, art. no. 1841006., Registrované v: WOS
 16. [1.1] WARD, B. F. L. - MAJHI, S. K. - MUKHOPADHYAY, A. - YOST, S. A. Comparisons of Exact Amplitude-Based Resummation Predictions and LHC Data. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 2783-2786., Registrované v: WOS

ADCA533 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the transverse momentum distribution of W bosons in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2012, vol. 85, no. 1, art. no. 012005. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.85.012005>

Ohlasy:

1. [1.1] ALEEDANESHVAR, A. - KHORRAMIAN, A. The impact of CMS inclusive jet data on parton distribution functions and their uncertainties. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 22, art. no. 1750134., Registrované v: WOS
2. [1.1] ALEEDANESHVAR, A. - KHORRAMIAN, A. The impact of the LHCb B-+/- production cross-section on parton distribution functions and determining the mass of heavy quarks. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 979, pp. 215-236., Registrované v: WOS
3. [1.1] BALL, Richard D. - BERTONE, Valerio - BONVINI, Marco - CARRAZZA, Stefano - FORTE, Stefano - GUFFANTI, Alberto - HARTLAND, Nathan P. - ROJO, Juan - ROTTOLI, Luca. A determination of the charm content of the proton. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 11, art. no. 647., Registrované v: WOS
4. [1.1] BALL, Richard D. - BERTONE, Valerio - BONVINI, Marco - MARZANI, Simone - ROJO, Juan - ROTTOLI, Luca. Parton distributions with small-x resummation: evidence for BFKL dynamics in HERA data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 321., Registrované v: WOS
5. [1.1] BALL, R.D. - NOCERA, E.R. - PEARSON, R.L. Nuclear uncertainties in the determination of proton PDFs: NNPDF Collaboration. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS
6. [1.1] BERTONE, Valerio - CARRAZZA, Stefano - HARTLAND, Nathan P. APFELgrid: A high performance tool for parton density determinations. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2017, vol. 212, pp. 205-209., Registrované v: WOS
7. [1.1] BERTONE, Valerio - CARRAZZA, Stefano - HARTLAND, Nathan P. - ROJO, Juan. Illuminating the photon content of the proton within a global PDF analysis. In SCIPOST PHYSICS. ISSN 2542-4653, 2018, vol. 5, no. 1, art. no. 008., Registrované v: WOS
8. [1.1] GEHRMANN-DE RIDDER, A. - GEHRMANN, T. - GLOVER, E. W. N. - HUSS, A. - WALKER, D. M. Next-to-Next-to-Leading-Order QCD Corrections to the Transverse Momentum Distribution of Weak Gauge Bosons. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 12, art. no. 122001., Registrované v: WOS
9. [1.1] KLASSEN, Michael. Parton density constraints from massive vector boson production at the LHC. In 9TH INTERNATIONAL WORKSHOP ON HIGH-PT PHYSICS AT LHC. ISSN 1742-6588, 2015, vol. 589, art. no. 012012., Registrované v: WOS
10. [1.1] KUUSELA, Mikael - PANARETOS, Victor M. STATISTICAL

UNFOLDING OF ELEMENTARY PARTICLE SPECTRA: EMPIRICAL BAYES ESTIMATION AND BIAS-CORRECTED UNCERTAINTY QUANTIFICATION. In ANNALS OF APPLIED STATISTICS. ISSN 1932-6157, 2015, vol. 9, no. 3, pp. 1671-1705., Registrované v: WOS

11. [1.1] QUACKENBUSH, Seth - SULLIVAN, Zack. Parton distributions and the W mass measurement. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 033008., Registrované v: WOS
12. [1.1] ROLPH, Andrew - UBIALI, Maria. PDFs and LHC data: current and future constraints. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. UNSP 07001., Registrované v: WOS
13. [1.1] RU, Peng - ZHANG, Ben-Wei - CHENG, Luan - WANG, Enke - ZHANG, Wei-Ning. Production of $Z(0)$ and W^+/W^- in relativistic heavy-ion collisions at the LHC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 8, art. no. 085104., Registrované v: WOS

ADCA534 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the transverse polarization of Λ and (Λ) over-bar hyperons produced in proton-proton collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. In *Physical Review D*, 2015, vol. 91, no. 3, art. no. 032004. (2014: 4.643 - IF, Q1 - JCR, 2.414 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.91.032004>

Ohlasy:

1. [1.1] HUANG, Xian-Jun - ZHANG, Wei-Hong - ZHOU, Yu-Feng. Connecting the LHC diphoton excess to the Galactic Center gamma-ray excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035019., Registrované v: WOS
2. [1.1] KANG, Z.B. - LEE, K. - ZHAO, F.Y. Polarized jet fragmentation functions. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS
3. [1.1] KATS, Yevgeny. Measuring polarization of light quarks at ATLAS and CMS. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 071503., Registrované v: WOS
4. [1.1] KOIKE, Yuji - METZ, Andreas - PITONYAK, Daniel - YABE, Kenta - YOSHIDA, Shinsuke. Twist-3 fragmentation contribution to polarized hyperon production in unpolarized hadronic collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 114013-, Registrované v: WOS
5. [1.1] SUVARIEVA, D. - GUDIMA, K. - ZINCHENKO, A. A Monte Carlo Study of Λ Hyperon Polarization at BM@N. In PHYSICS OF PARTICLES AND NUCLEI LETTERS. ISSN 1547-4771, 2018, vol. 15, no. 2, pp. 182-188., Registrované v: WOS

ADCA535 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the t-channel single top-quark production cross section in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *Physics Letters B*, 2012, vol. 717, no. 4-5, p. 330-350.

(2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2012.09.031>

Ohlasy:

1. [1.1] AHRICHE, Amine - JUEID, Adil - NASRI, Salah. Radiative neutrino mass and Majorana dark matter within an inert Higgs doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095012., Registrované v: WOS
2. [1.1] ARHRIB, A. - BENBRIK, R. - HAROUIZ, H. - MORETTI, S. - WANG, Y. - YAN, Q.S. Implications of a light charged Higgs boson at the LHC run III in the 2HDM. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 30 2020, vol. 102, no. 11., Registrované v: WOS
3. [1.1] BAER, Howard - BARGER, Vernon - SERCE, Hasan. SUSY under siege from direct and indirect WIMP detection experiments. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 115019., Registrované v: WOS
4. [1.1] BASKAKOV, A. V. - BOOS, E. E. - DUDKO, L. V. - LOKHTIN, I. P. - SNIGIREV, A. M. Single top quark production in heavy ion collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 4, art. no. 044901., Registrované v: WOS
5. [1.1] BAUER, Martin - BUTTER, Anja - GONZALEZ-FRAILE, J. - PLEHN, Tilman - RAUCH, Michael. Learning from a Higgs-like scalar resonance. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055011., Registrované v: WOS
6. [1.1] BOTHMANN, Enrico - KRAUSS, Frank - SCHONHERR, Marek. Single top-quark production with SHERPA. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 220., Registrované v: WOS
7. [1.1] BOUCHENEB, Idir - CACCIAPAGLIA, Giacomo - DEANDREA, Aldo - FUKS, Benjamin. Revisiting monotop production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 1, art. no. 017., Registrované v: WOS
8. [1.1] BROGGIO, A. - FERROGLIA, A. - FREDERIX, R. - PAGANI, D. - PECJAK, B.D. - TSINIKOS, I. Top-quark pair hadroproduction in association with a heavy boson at NLO plus NNLL including EW corrections. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 7 2019, no. 8., Registrované v: WOS
9. [1.1] CAMPBELL, Robyn - GODFREY, Stephen - LOGAN, Heather E. - POULIN, Alexandre. Real singlet scalar dark matter extension of the Georgi-Machacek model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 016005., Registrované v: WOS
10. [1.1] COLUCCIO LESKOW, Estefania - MARTIN, Travis A. W. - DE LA PUENTE, Alejandro. Vector-like quarks with a scalar triplet. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 743, pp. 366-376., Registrované v: WOS
11. [1.1] DE CURTIS, Stefania - MORETTI, Stefano - KEI YAGYU - YILDIRIM, Emine. LHC phenomenology of composite 2-Higgs doublet models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 8, art. no. 513., Registrované v: WOS

12. [1.1] DEGRANDE, Celine - HARTLING, Katy - LOGAN, Heather E. Scalar decays to gamma gamma, Z gamma, and W gamma in the Georgi-Machacek model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075013., Registrované v: WOS
13. [1.1] DUDAS, Emilian - GHERGHETTA, Tony - MAMBRINI, Yann - OLIVE, Keith A. Inflation and high-scale supersymmetry with an EeV gravitino. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 115032., Registrované v: WOS
14. [1.1] DUTTA, Sukanta - GOYAL, Ashok - KUMAR, Mukesh - MELLADO, Bruce. Measuring anomalous Wtb couplings at e(-) p collider. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 12, art. no. 577., Registrované v: WOS
15. [1.1] D'ENTERRIA, David - KRAJCZAR, Krisztian - PAUKKUNEN, Hannu. Top-quark production in proton-nucleus and nucleus-nucleus collisions at LHC energies and beyond. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 746, pp. 64-72., Registrované v: WOS
16. [1.1] FREDERIX, R. - PAGANI, D. - TSINIKOS, I. Precise predictions for single-top production: the impact of EW corrections and QCD shower on the t-channel signature. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 17 2019, no. 9., Registrované v: WOS
17. [1.1] FUKS, Benjamin - RICHARDSON, Peter - WILCOCK, Alexandra. Studying the sensitivity of monotop probes to compressed supersymmetric scenarios at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 7, art. no. 308., Registrované v: WOS
18. [1.1] GABRIELLI, Emidio - MARZOLA, Luca - RAIDAL, Martti. Radiative Yukawa couplings in the simplest left-right symmetric model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035005., Registrované v: WOS
19. [1.1] GONCALVES, Dorival - PLEHN, Tilman - THOMPSON, Jennifer M. Weak boson fusion at 100 TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095011., Registrované v: WOS
20. [1.1] HARRIS, Mary-Jean - LOGAN, Heather E. Constraining the scalar septet model through vector boson scattering. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095003., Registrované v: WOS
21. [1.1] HENG, Zhaoxia - WANG, Wenlong - ZHOU, Haijing. Higgs-strahlung production of the lightest CP-even Higgs boson at ILC in natural NMSSM. In CHINESE JOURNAL OF PHYSICS. ISSN 0577-9073, 2017, vol. 55, no. 4, pp. 1723-1728., Registrované v: WOS
22. [1.1] KOKSAL, M. - BILLUR, A. A. - GUTIERREZ-RODRIGUEZ, A. Bounds on the Electromagnetic Dipole Moments through the Single Top Production at the CLIC. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, art. no. 6738409., Registrované v: WOS
23. [1.1] LI, Chong Sheng. Resummation Prediction on Top Quark Transverse Momentum Distribution at Large p(T). In QCD HIGHER-ORDER EFFECTS AND SEARCH FOR NEW PHYSICS. ISSN 2190-5053, 2016, pp. 73-106., Registrované v: WOS
24. [1.1] LOGAN, Heather E. - REIMER, Mark B. Characterizing a benchmark scenario for heavy Higgs boson searches in the Georgi-Machacek model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 095029., Registrované v: WOS

25. [1.1] NOCERA, E.R. - UBIALI, M. - VOISEY, C. Single top production in PDF fits. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 14 2020, no. 5., Registrované v: WOS
26. [1.1] PHAN, K. H. - HUNG, H. T. - HUE, L. T. One-loop contributions to neutral Higgs decay $h \rightarrow \mu \tau$. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2016, no. 11, art. no. 113B03., Registrované v: WOS
27. [1.1] STALEY, K.W. Securing the Empirical Value of Measurement Results. In BRITISH JOURNAL FOR THE PHILOSOPHY OF SCIENCE. ISSN 0007-0882, MAR 2020, vol. 71, no. 1, p. 87-113., Registrované v: WOS
28. [1.1] STOECKINGER, Dominik - UNGER, Josua. Three-loop MSSM Higgs-boson mass predictions and regularization by dimensional reduction. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 935, pp. 1-16., Registrované v: WOS
29. [1.1] THUC, T. T. - HUE, L. T. - LONG, H. N. - NGUYEN, T. Phong. Lepton flavor violating decay of SM-like Higgs boson in a radiative neutrino mass model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115026., Registrované v: WOS

ADCA536 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of the $t(\bar{t})$ gamma production cross section in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2017, no. 11, art. no. 086. (2016: 6.063 - IF, Q1 - JCR, 1.163 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP11\(2017\)086](https://doi.org/10.1007/JHEP11(2017)086)

Ohlasy:

1. [1.1] BRIVIO, I. - TROTT, M. The standard model as an effective field theory. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, FEB 27 2019, vol. 793, p. 1-98., Registrované v: WOS

ADCA537 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the $t(\bar{t})$ production cross-section as a function of jet multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector. In *Journal of High Energy Physics*, 2015, vol. 2015, no. 1, art. no. 020. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP01\(2015\)020](https://doi.org/10.1007/JHEP01(2015)020)

Ohlasy:

1. [1.1] ABDALLAH, W. - KHALIL, S. MSSM Dark Matter in Light of Higgs and LUX Results. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 5687463., Registrované v: WOS
2. [1.1] ABDULLAH, Mohammad - FENG, Jonathan L. - IWAMOTO, Sho - LILLARD, Benjamin. Heavy bino dark matter and collider signals in the MSSM with vectorlike fourth-generation particles. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 095018., Registrované v: WOS
3. [1.1] CAI, Yi - CLARKE, Jackson D. - VOLKAS, Raymond R. - YANAGIDA, Tsutomu T. TeV-scale pseudo-Dirac seesaw mechanisms in an E-6

- inspired model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 033003., Registrované v: WOS
4. [1.1] DILSIZ, Kamuran - OGUL, Hasan. Forward-backward asymmetry of Drell-Yan lepton pairs at 14 TeV center-of-mass energy. In TURKISH JOURNAL OF PHYSICS. ISSN 1300-0101, 2018, vol. 42, no. 4, pp. 478-483., Registrované v: WOS
5. [1.1] FALKOWSKI, Adam - GONZALEZ-ALONSO, Martin - GRELJO, Admir - MARZOCCA, David. Global Constraints on Anomalous Triple Gauge Couplings in the Effective Field Theory Approach. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 1, art. no. 011801., Registrované v: WOS
6. [1.1] FENG, Lei - LIANG, Yun-Feng - DONG, Tie-Kuang - FAN, Yi-Zhong. Interpretations of the possible 42.7 GeV gamma-ray line. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 4, art. no. 043535., Registrované v: WOS
7. [1.1] FRANK, Mariana - HUITU, Katri - MAITRA, Ushoshi - PATRA, Monalisa. Probing Higgs-radion mixing in warped models through complementary searches at the LHC and the ILC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055016., Registrované v: WOS
8. [1.1] GAULD, Rhorry - PECJAK, Benjamin D. - SCOTT, Darren J. QCD radiative corrections for $h \rightarrow b(b)\text{-over-bar}$ in the standard model dimension-6 effective field theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 074045., Registrované v: WOS
9. [1.1] GHOSH, Diptimoy - GUPTA, Rick Sandeepan - PEREZ, Gilad. Is the Higgs mechanism of fermion mass generation a fact? A Yukawa-less first-two-generation model. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 755, pp. 504-508., Registrované v: WOS
10. [1.1] GOPALAKRISHNA, Shrihari - MUKHERJEE, Tuhin Subhra - SADHUKHAN, Soumya. Extra neutral scalars with vectorlike fermions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055004., Registrované v: WOS
11. [1.1] HARIGAYA, Keisuke - NOMURA, Yasunori. Composite models for the 750 GeV diphoton excess. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 754, pp. 151-156., Registrované v: WOS
12. [1.1] IWAMOTO, Sho - LEE, Gabriel - SHADMI, Yael - ZIEGLER, Robert. Diphoton signals from colorless hidden quarkonia. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015003., Registrované v: WOS
13. [1.1] KAINULAINEN, Kimmo - TUOMINEN, Kimmo - VASKONEN, Ville. Self-interacting dark matter and cosmology of a light scalar mediator. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 015016., Registrované v: WOS
14. [1.1] LECIAN, O.M. Alternative Uses for Quantum Systems and Devices. In SYMMETRY-BASEL. APR 2019, vol. 11, no. 4., Registrované v: WOS
15. [1.1] SHEZAN, S.A. Optimization and assessment of an off-grid photovoltaic-diesel-battery hybrid sustainable energy system for remote residential applications. In ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY. ISSN 1944-7442, NOV 2019, vol. 38, no. 6., Registrované v: WOS

ADCA538 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABED ABUD, A. - ABELING, K. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of the $t(t)$ -over-bar production cross-section in the lepton plus jets channel at $\sqrt{s}=13$ TeV with the ATLAS experiment. In *Physics Letters B : Nuclear, Elementary Particle and High-Energy Physics*, 2020, vol. 810, art. no. 135797. (2019: 4.384 - IF, Q1 - JCR, 1.795 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2020.135797>

Ohlasy:

1. [1.1] HAGHIGHAT, G. - RAISSI, D.H. - NAJAFABADI, M.M. New collider searches for axionlike particles coupling to gluons. In *PHYSICAL REVIEW D*. ISSN 2470-0010, DEC 4 2020, vol. 102, no. 11., Registrované v: WOS

ADCA539 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the $t(t)$ -over-bar production cross section in the tau plus jets channel using the ATLAS detector. In *European Physical Journal C*, 2013, vol. 73, no. 3, art. no. 2328. (2012: 5.247 - IF, Q1 - JCR, 3.034 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-013-2328-7>

Ohlasy:

1. [1.1] ALEKHIN, S. - BLUEMLEIN, J. - MOCH, S. - PLACAKYTE, R. Parton distribution functions, $\alpha(s)$, and heavy-quark masses for LHC Run II. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 014011., Registrované v: WOS
2. [1.1] DOMINGUEZ-MEIJIDE, A. - VASILI, E. - OUTEIRO, T.F. Pharmacological Modulators of Tau Aggregation and Spreading. In *BRAIN SCIENCES*. NOV 2020, vol. 10, no. 11., Registrované v: WOS
3. [1.1] HARLAND-LANG, L.A. - MARTIN, A.D. - NATHVANI, R. - THORNE, R.S. Ad Lucem: QED parton distribution functions in the MMHT framework. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, OCT 2019, vol. 79, no. 10., Registrované v: WOS
4. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS

ADCA540 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the $t(t)$ -over-bar production cross-section using $e\mu$ events with b-tagged jets in pp collisions at $\sqrt{s}=7$ and 8 TeV with the ATLAS detector. In *European Physical Journal C*, 2014, vol. 74, no. 10, art. no. 3109. (2013: 5.436 - IF, Q1 - JCR, 2.323 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-014-3109-7>

Ohlasy:

1. [1.1] ALEKHIN, S. - BLUEMLEIN, J. - MOCH, S. - PLACAKYTE, R. Parton distribution functions, $\alpha(s)$, and heavy-quark masses for LHC Run II. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no.

014011., Registrované v: WOS

2. [1.1] ALEKHIN, S. - MOCH, S. - THIER, S. Determination of the top-quark mass from hadro-production of single top-quarks. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 763, pp. 341-346., Registrované v: WOS

3. [1.1] AN, Haipeng - WANG, Lian-Tao. Opening Up the Compressed Region of Top Squark Searches at 13 TeV LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 18, art. no. 181602., Registrované v: WOS

4. [1.1] AZIZI, M. - KHORRAMIAN, A. - ABDOLMALEKI, H. Impact of the top quark cross-section data on parton distribution functions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 24, art. no. 1850142., Registrované v: WOS

5. [1.1] BALL, Richard D. - BERTONE, Valerio - CARRAZZA, Stefano - DEL DEBBIO, Luigi - FORTE, Stefano - GROTH-MERRILD, Patrick - GUFFANTI, Alberto - HARTLAND, Nathan P. - KASSABOV, Zahari - LATORRE, Jose I. - NOCERA, Emanuele R. - ROJO, Juan - ROTTOLI, Luca - SLADE, Emma - UBIALI, Maria. Parton distributions from high-precision collider data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 10, art. no. 663., Registrované v: WOS

6. [1.1] BALL, Richard D. - BERTONE, Valerio - BONVINI, Marco - MARZANI, Simone - ROJO, Juan - ROTTOLI, Luca. Parton distributions with small-x resummation: evidence for BFKL dynamics in HERA data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 321., Registrované v: WOS

7. [1.1] BALL, R.D. - NOCERA, E.R. - PEARSON, R.L. Nuclear uncertainties in the determination of proton PDFs: NNPDF Collaboration. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS

8. [1.1] BERTONE, Valerio - CARRAZZA, Stefano - HARTLAND, Nathan P. - ROJO, Juan. Illuminating the photon content of the proton within a global PDF analysis. In SCIPOST PHYSICS. ISSN 2542-4653, 2018, vol. 5, no. 1, art. no. 008., Registrované v: WOS

9. [1.1] BEVILACQUA, G. - HARTANTO, H. B. - KRAUS, M. - SCHULZE, M. - WOREK, M. Top quark mass studies with $t(t)\text{over-bar}j$ at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 169., Registrované v: WOS

10. [1.1] CIRIGLIANO, V. - DEKENS, W. - DE VRIES, J. - MEREGHETTI, E. Constraining the top-Higgs sector of the standard model effective field theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 034031., Registrované v: WOS

11. [1.1] CIRIGLIANO, V. - DEKENS, W. - DE VRIES, J. - MEREGHETTI, E. Is there room for CP violation in the top-Higgs sector? In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 016002., Registrované v: WOS

12. [1.1] CORCELLA, G. The Top-Quark Mass: Challenges in Definition and Determination. In FRONTIERS IN PHYSICS. ISSN 2296-424X, APR 24 2019, vol. 7., Registrované v: WOS

13. [1.1] CZAKON, Michal - HEYMES, David - MITOV, Alexander. High-Precision Differential Predictions for Top-Quark Pairs at the LHC. In

- PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 8, art. no. 082003., Registrované v: WOS
14. [1.1] CZAKON, Michal - MITOV, Alexander - ROJO, Juan. Summary of the Topical Workshop on Top Quark Differential Distributions 2014. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 1, art. no. 015004., Registrované v: WOS
15. [1.1] CZAKON, M. Precision top-quark physics with applications. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2015, vol. 261, pp. 115-129., Registrované v: WOS
16. [1.1] ERLER, Jens. Status of Precision Extractions of α_s and Heavy Quark Masses. In XITH CONFERENCE ON QUARK CONFINEMENT AND HADRON SPECTRUM. ISSN 0094-243X, 2016, vol. 1701, art. no. 020009., Registrované v: WOS
17. [1.1] FORTE, S. - LEVY, A. - RIDOLFI, G. From My Vast Repertoire ... Guido Altarelli's Legacy Preface. In FROM MY VAST REPERTOIRE ... : GUIDO ALTARELLI'S LEGACY. 2019, p. V-+., Registrované v: WOS
18. [1.1] FROLOV, I. V. - MARTYNOV, M. V. - SMIRNOV, A. D. Resonance contribution of scalar color octet to $t(\bar{t})$ production at the LHC in the minimal four-color quark-lepton symmetry model. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 39, art. no. 1650224., Registrované v: WOS
19. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS
20. [1.1] KAWABATA, Sayaka - SHIMIZU, Yasuhiro - SUMINO, Yukinari - YOKOYA, Hiroshi. Weight function method for precise determination of top quark mass at Large Hadron Collider. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 741, pp. 232-238., Registrované v: WOS
21. [1.1] KHALEK, R.A. - BALL, R.D. - CARRAZZA, S. - FORTE, S. - GIANI, T. - KASSABOV, Z. - PEARSON, R.L. - NOCERA, E.R. - ROJO, J. - ROTTOLI, L. - UBIALI, M. - VOISEY, C. - WILSON, M. Parton distributions with theory uncertainties: general formalism and first phenomenological studies NNPDF Collaboration. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
22. [1.1] KHALEK, R.A. - FORTE, S. - GEHRMANN, T. - GEHRMANN-DE RIDDER, A. - GIANI, T. - GLOVER, N. - HUSS, A. - NOCERA, E.R. - PIRES, J. - ROJO, J. - STAGNITTO, G. Phenomenology of NNLO jet production at the LHC and its impact on parton distributions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 31 2020, vol. 80, no. 8., Registrované v: WOS
23. [1.1] KIDONAKIS, Nikolaos. Total and Differential Cross Sections for Higgs and Top-Quark Production. In UNIVERSE. ISSN 2218-1997, 2018, vol. 4, no. 11, art. no. 121., Registrované v: WOS
24. [1.1] KIDONAKIS, Nikolaos. Soft-gluon corrections in top-quark production. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 25, art. no. 1830021., Registrované v: WOS
25. [1.1] KIESELER, Jan - LIPKA, Katerina - MOCH, Sven-Olaf. Calibration of the Top-Quark Monte Carlo Mass. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 16, art. no. 162001.,

Registrované v: WOS

26. [1.1] KOBAKHIDZE, Archil - LIU, Ning - WU, Lei - YANG, Jin Min - ZHANG, Mengchao. Closing up a light stop window in natural SUSY at LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 755, pp. 76-81., Registrované v: WOS

27. [1.1] MEREGHETTI, Emanuele. Constraining top-Higgs couplings at high and low energy. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 08012., Registrované v: WOS

28. [1.1] NOCERA, E.R. - UBIALI, M. - VOISEY, C. Single top production in PDF fits. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 14 2020, no. 5., Registrované v: WOS

29. [1.1] PICLUM, Jan - SCHWINN, Christian. Soft-gluon and Coulomb corrections to hadronic top-quark pair production beyond NNLO. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 164., Registrované v: WOS

30. [1.1] RAVASIO, Silvia Ferrario - JEZO, Tomas - NASON, Paolo - OLEARI, Carlo. A theoretical study of top-mass measurements at the LHC using NLO plus PS generators of increasing accuracy. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 458., Registrované v: WOS

31. [1.1] UN, Cem Salih - TANYILDIZI, Sukru Hanif - KERMAN, Saime - SOLMAZ, Levent. Generalized soft breaking leverage for the MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 10, art. no. 105033., Registrované v: WOS

32. [1.1] ZHANG, Cen. Constraining qqtt operators from four-top production: a case for enhanced EFT sensitivity. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 2, art. no. 023104., Registrované v: WOS

ADCA541 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of the $t(\bar{t})$ production cross-section using $e\mu$ events with b-tagged jets in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Physics Letters B*, 2016, vol. 761, p. 136-157. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2016.08.019>

Ohlasy:

1. [1.1] ALEKHIN, S. - BLUEMLEIN, J. - MOCH, S. - PLACAKYTE, R. Parton distribution functions, $\alpha(s)$, and heavy-quark masses for LHC Run II. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 014011., Registrované v: WOS

2. [1.1] AZIZI, M. - KHORRAMIAN, A. - ABDOLMALEKI, H. Impact of the top quark cross-section data on parton distribution functions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 24, art. no. 1850142., Registrované v: WOS

3. [1.1] BALL, Richard D. - BERTONE, Valerio - CARRAZZA, Stefano - DEL DEBBIO, Luigi - FORTE, Stefano - GROTH-MERRILD, Patrick - GUFFANTI, Alberto - HARTLAND, Nathan P. - KASSABOV, Zahari - LATORRE, Jose I. - NOCERA, Emanuele R. - ROJO, Juan - ROTTOLI, Luca - SLADE, Emma - UBIALI, Maria. Parton distributions from high-precision

collider data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 10, art. no. 663., Registrované v: WOS

4. [1.1] BALL, Richard D. - BERTONE, Valerio - BONVINI, Marco - MARZANI, Simone - ROJO, Juan - ROTTOLI, Luca. Parton distributions with small-x resummation: evidence for BFKL dynamics in HERA data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 321., Registrované v: WOS

5. [1.1] BALL, R.D. - NOCERA, E.R. - PEARSON, R.L. Nuclear uncertainties in the determination of proton PDFs: NNPDF Collaboration. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS

6. [1.1] BERTONE, Valerio - CARRAZZA, Stefano - HARTLAND, Nathan P. - ROJO, Juan. Illuminating the photon content of the proton within a global PDF analysis. In SCIPOST PHYSICS. ISSN 2542-4653, 2018, vol. 5, no. 1, art. no. 008., Registrované v: WOS

7. [1.1] BOOS, E. - DUDKO, L. - MANDRIK, P. - SLABOSPITSKII, S. Top Quark: Results and Prospects. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, MAY 2019, vol. 50, no. 3, p. 231-258., Registrované v: WOS

8. [1.1] CICI, Ali - KIRCA, Zerrin - UN, Cem Salih. Light stops and fine-tuning in MSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 1, art. no. 60., Registrované v: WOS

9. [1.1] ELAHI, F. - MARTIN, A. LHC constraints on a (B-L)(3) gauge boson. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 19 2019, vol. 100, no. 3., Registrované v: WOS

10. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS

11. [1.1] CHAUDHRY, H.A. - MITOV, A. Ambiguities of the principle of maximum conformality procedure for hadron collider processes. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS

12. [1.1] JAIN, R. - KAO, C. Charming top decays with a flavor changing neutral Higgs boson and WW at hadron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 27 2019, vol. 99, no. 5., Registrované v: WOS

13. [1.1] KHALEK, R.A. - BALL, R.D. - CARRAZZA, S. - FORTE, S. - GIANI, T. - KASSABOV, Z. - PEARSON, R.L. - NOCERA, E.R. - ROJO, J. - ROTTOLI, L. - UBIALI, M. - VOISEY, C. - WILSON, M. Parton distributions with theory uncertainties: general formalism and first phenomenological studies NNPDF Collaboration. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS

14. [1.1] ZHANG, Cen. Constraining qqtt operators from four-top production: a case for enhanced EFT sensitivity. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 2, art. no. 023104., Registrované v: WOS

ADCA542 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the $t(\bar{t})\overline{W}$ and $t(\bar{t})\overline{Z}$ production cross sections in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Journal of High Energy*

Physics, 2015, vol. 2015, no. 11, art. no. 172. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479.

Ohlasy:

1. [1.1] BRIVIO, I. - TROTT, M. The standard model as an effective field theory. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, FEB 27 2019, vol. 793, p. 1-98., Registrované v: WOS
2. [1.1] BROGGIO, A. - FERROGLIA, A. - FREDERIX, R. - PAGANI, D. - PECJAK, B.D. - TSINIKOS, I. Top-quark pair hadroproduction in association with a heavy boson at NLO plus NNLL including EW corrections. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 7 2019, no. 8., Registrované v: WOS
3. [1.1] BROWN, S. - ENGLERT, C. - GALLER, P. - STYLIANOU, P. Electroweak top couplings, partial compositeness, and top partner searches. In PHYSICAL REVIEW D. ISSN 1550-7998, OCT 19 2020, vol. 102, no. 7., Registrované v: WOS
4. [1.1] DENNER, A. - PELLICCIOLI, G. NLO QCD corrections to off-shell $t\bar{t}$ production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 13 2020, no. 11., Registrované v: WOS
5. [1.1] HARTLAND, N.P. - MALTONI, F. - NOCERA, E.R. - ROJO, J. - SLADE, E. - VRYONIDOU, E. - ZHANG, C. A Monte Carlo global analysis of the Standard Model Effective Field Theory: the top quark sector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 15 2019, no. 4., Registrované v: WOS
6. [1.1] KULESZA, A. - MOTYKA, L. - SCHWARTLANDER, D. - STEBEL, T. - THEEUWES, V. Associated production of a top quark pair with a heavy electroweak gauge boson at NLO plus NNLL accuracy. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 20 2019, vol. 79, no. 3., Registrované v: WOS
7. [1.1] KULESZA, A. - MOTYKA, L. - SCHWARTLANDER, D. - STEBEL, T. - THEEUWES, V. Associated top quark pair production with a heavy boson: differential cross sections at NLO plus NNLL accuracy. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 15 2020, vol. 80, no. 5., Registrované v: WOS
8. [1.1] KULESZA, A. - MOTYKA, L. - SCHWARTLANDER, D. - STEBEL, T. - THEEUWES, V. TOP PRECISION FOR ASSOCIATED TOP-PAIR PRODUCTION PROCESSES AT THE LHC. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2020, vol. 51, no. 6, p. 1425-1436., Registrované v: WOS
9. [1.1] LI, G. - PAN, X.A. - SONG, M. - ZHANG, Y. Prompt J/ψ production in association with a top quark pair at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 18 2019, vol. 100, no. 7., Registrované v: WOS
10. [1.1] VON BUDDENBROCK, S. - RUIZ, R. - MELLADO, B. Anatomy of inclusive $t\bar{t}W$ production at hadron colliders. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS

ADCA543 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Measurement of the $t(t)\text{over-bar}Z$ and $t(t)\text{over-bar}W$ production cross sections in multilepton final states using 3.2 fb⁻¹ of pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *European Physical Journal C*, 2017, vol. 77, no. 1, art. no. 40. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4574-y>

Ohlasy:

1. [1.1] DERCKS, D. - ROBENS, T. Constraining the Inert Doublet Model using Vector Boson Fusion. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
2. [1.1] ENGLERT, Christoph - RUSSELL, Michael. Top quark electroweak couplings at future lepton colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 8, pp. 1-11., Registrované v: WOS
3. [1.1] ETESAMI, Seyed Mohsen - KHATIBI, Sara - NAJAFABADI, Mojtaba Mohammadi. Study of top quark dipole interactions in $t(t)\text{over-bar}$ production associated with two heavy gauge bosons at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075023., Registrované v: WOS
4. [1.1] ETESAMI, S.M. - ROKNABADI, E.D. Probing the nonstandard top-gluon couplings through $t(t)\text{over-bar}$ $\gamma\gamma$ production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 17 2019, vol. 100, no. 1., Registrované v: WOS
5. [1.1] KULESZA, A. - MOTYKA, L. - SCHWARTLANDER, D. - STEBEL, T. - THEEUWES, V. Associated production of a top quark pair with a heavy electroweak gauge boson at NLO plus NNLL accuracy. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 20 2019, vol. 79, no. 3., Registrované v: WOS
6. [1.1] KULESZA, A. - MOTYKA, L. - SCHWARTLANDER, D. - STEBEL, T. - THEEUWES, V. Associated top quark pair production with a heavy boson: differential cross sections at NLO plus NNLL accuracy. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 15 2020, vol. 80, no. 5., Registrované v: WOS
7. [1.1] KULESZA, A. - MOTYKA, L. - SCHWARTLANDER, D. - STEBEL, T. - THEEUWES, V. TOP PRECISION FOR ASSOCIATED TOP-PAIR PRODUCTION PROCESSES AT THE LHC. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2020, vol. 51, no. 6, p. 1425-1436., Registrované v: WOS
8. [1.1] LI, G. - PAN, X.A. - SONG, M. - ZHANG, Y. Prompt J/psi production in association with a top quark pair at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 18 2019, vol. 100, no. 7., Registrované v: WOS

ADCA544 AABOUD, M. - AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of the $t(t)\text{over-bar}Z$ and $t(t)\text{over-bar}W$ cross sections in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Physical Review D*, 2019, vol. 99, no. 7, art. no. 072009. (2018:

4.368 - IF, Q1 - JCR, 1.703 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.99.072009>

Ohlasy:

1. [1.1] BROWN, S. - ENGLERT, C. - GALLER, P. - STYLIANOU, P. Electroweak top couplings, partial compositeness, and top partner searches. In PHYSICAL REVIEW D. ISSN 1550-7998, OCT 19 2020, vol. 102, no. 7., Registrované v: WOS
2. [1.1] FREDERIX, R. - TSINIKOS, I. Subleading EW corrections and spin-correlation effects in $t\bar{t} \rightarrow t\bar{t} + \text{multi-lepton}$ signatures. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 1 2020, vol. 80, no. 9., Registrované v: WOS
3. [1.1] KULEZA, A. - MOTYKA, L. - SCHWARTLANDER, D. - STEBEL, T. - THEEUWES, V. TOP PRECISION FOR ASSOCIATED TOP-PAIR PRODUCTION PROCESSES AT THE LHC. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2020, vol. 51, no. 6, p. 1425-1436., Registrované v: WOS
4. [1.1] RAISSI, D.H. - EBADI, J. - NAJAFABADI, M.M. Signs of new physics in top quark pair production associated with a neutrino pair at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 5 2020, vol. 101, no. 9., Registrované v: WOS

ADCA545 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the underlying event in jet events from 7 proton-proton collisions with the ATLAS detector. In *European Physical Journal C*, 2014, vol. 74, no. 8, art. no. 2965. (2013: 5.436 - IF, Q1 - JCR, 2.323 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-014-2965-5>

Ohlasy:

1. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+, Registrované v: WOS
2. [1.1] HORNIG, Andrew - KANG, Daekyoung - MAKRIS, Yiannis - MEHEN, Thomas. Transverse vetoes with rapidity cutoff in SCET. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 12, art. no. 043., Registrované v: WOS
3. [1.1] KANG, Daekyoung - MAKRIS, Yiannis - MEHEN, Thomas. From underlying event sensitive to insensitive: factorization and resummation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 055., Registrované v: WOS
4. [1.1] MEHDIABADI, S.P. - FAHIM, A. Explicit jet veto as a tool to purify the underlying event in the Drell-Yan process using CMS Open Data. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, SEP 2019, vol. 46, no. 9., Registrované v: WOS
5. [1.1] ORTIZ, Antonio - VALENCIA PALOMO, Lizardo. Universality of the underlying event in pp collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 114019., Registrované v: WOS
6. [1.1] PEARCEY, Mark. Theoretical Framework. In EXCLUSIONS OF CIVILIZATION: INDIGENOUS PEOPLES IN THE STORY OF

INTERNATIONAL SOCIETY, 2016, pp. 31-53., Registrované v: WOS
7. [1.1] SAPETA, Sebastian. QCD and jets at hadron colliders. In
PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410,
2016, vol. 89, pp. 1-55., Registrované v: WOS

ADCA546 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef -
KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the
upsilon(1S) production cross-section in pp collisions at $\sqrt{s} = 7$ TeV. In *Physics
Letters B*, 2011, vol. 705, no. 1-2, p. 9-27. (2010: 5.255 - IF, Q1 - JCR, 3.103 - SJR,
Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS).
ISSN 0370-2693.

Ohlasy:

1. [1.1] HU, Z. - LIU, T. - LEONARDO, N. T. - HAYTMYRADOV, M.
Review of bottomonium measurements from CMS. In INTERNATIONAL
JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no.
19-20, art. no. 1730015., Registrované v: WOS
2. [1.1] CHEUNG, V. - VOGT, R. Production and polarization of
prompt gamma(nS) in the improved color evaporation model using the
k(T)-factorization approach. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB
15 2019, vol. 99, no. 3., Registrované v: WOS
3. [1.1] JIA, S. - ZHOU, X.Y. - SHEN, C.P. Experimental review of the
gamma(1S, 2S, 3S) physics at e^+e^- colliders and the LHC. In FRONTIERS
OF PHYSICS. ISSN 2095-0462, AUG 8 2020, vol. 15, no. 6., Registrované v:
WOS

ADCA547 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. -
BRUNCKO, Dušan - KLADIVA, Eduard - SMIEŠKO, Juraj - STRÍŽENEC, Pavol.
Measurement of the W boson polarisation in $t(t)$ -over-barevents from pp collisions at
 $\sqrt{s}=8$ TeV in the lepton plus jets channel with ATLAS. In *European Physical
Journal C*, 2017, vol. 77, no. 4, art. no. 264. (2016: 5.297 - IF, Q1 - JCR, 1.653 -
SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS,
SCOPUS). ISSN 1434-6044. Dostupné na:
<https://doi.org/10.1140/epjc/s10052-017-4819-4>

Ohlasy:

1. [1.1] BALLESTRERO, Alessandro - MAINA, Ezio - PELLICCIOLI,
Giovanni. W boson polarization in vector boson scattering at the LHC. In
JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art.
no. 170., Registrované v: WOS
2. [1.1] BRIVIO, I. - BRUGGISSER, S. - MALTONI, F. - MOUTAFIS,
R. - PLEHN, T. - VRYONIDOU, E. - WESTHOFF, S. - ZHANG, C. O new
physics, where art thou? A global search in the top sector. In JOURNAL OF
HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 24 2020, no. 2., Registrované
v: WOS
3. [1.1] BRIVIO, I. - TROTT, M. The standard model as an effective
field theory. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS
LETTERS. ISSN 0370-1573, FEB 27 2019, vol. 793, p. 1-98., Registrované v:
WOS
4. [1.1] BROWN, S. - ENGLERT, C. - GALLER, P. - STYLIANOU, P.
Electroweak top couplings, partial compositeness, and top partner searches. In
PHYSICAL REVIEW D. ISSN 1550-7998, OCT 19 2020, vol. 102, no. 7.,

Registrované v: WOS

5. [1.1] DENNER, A. - PELLICCIOLI, G. Polarized electroweak bosons in $W+W-$ production at the LHC including NLO QCD effects. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 25 2020, no. 9., Registrované v: WOS
6. [1.1] DURIEUX, Gauthier - GU, Jiayin - VRYONIDOU, Eleni - ZHANG, Cen. Probing top-quark couplings indirectly at Higgs factories. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 12, art. no. 123107., Registrované v: WOS
7. [1.1] ESCAMILLA, Angel - BOUZAS, Antonio O. - LARIOS, F. Single-top production at linear $e(-) e(+)$ colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 033004., Registrované v: WOS
8. [1.1] HARTLAND, N.P. - MALTONI, F. - NOCERA, E.R. - ROJO, J. - SLADE, E. - VRYONIDOU, E. - ZHANG, C. A Monte Carlo global analysis of the Standard Model Effective Field Theory: the top quark sector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 15 2019, no. 4., Registrované v: WOS
9. [1.1] JUEID, Adil. Probing anomalous Wtb couplings at the LHC in single t-channel top quark production. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 053006., Registrované v: WOS
10. [1.1] MARTINI, T. - SCHULZE, M. Electroweak loops as a probe of new physics in $t(\bar{t})$ production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 3 2020, no. 4., Registrované v: WOS
11. [1.1] WILLIAMSON, Eric M. L. - BERGER, Joseph R. Diagnosis and Treatment of Progressive Multifocal Leukoencephalopathy Associated with Multiple Sclerosis Therapies. In NEUROTHERAPEUTICS. ISSN 1933-7213, 2017, vol. 14, no. 4, pp. 961-973., Registrované v: WOS

ADCA548 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDELALIM, A.A. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the W boson polarization in top quark decays with the ATLAS detector. In *Journal of High Energy Physics*, 2012, no. 6, art. no. 088. (2011: 5.831 - IF, 1.902 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP06\(2012\)088](https://doi.org/10.1007/JHEP06(2012)088)

Ohlasy:

1. [1.1] BAGLIO, J. - NINH, L.D. Fiducial polarization observables in hadronic WZ production: a next-to-leading order QCD plus EW study. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 8 2019, no. 4., Registrované v: WOS
2. [1.1] BRIVIO, I. - BRUGGISSER, S. - MALTONI, F. - MOUTAFIS, R. - PLEHN, T. - VRYONIDOU, E. - WESTHOFF, S. - ZHANG, C. O new physics, where art thou? A global search in the top sector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 24 2020, no. 2., Registrované v: WOS
3. [1.1] BROWN, S. - ENGLERT, C. - GALLER, P. - STYLIANOU, P. Electroweak top couplings, partial compositeness, and top partner searches. In PHYSICAL REVIEW D. ISSN 1550-7998, OCT 19 2020, vol. 102, no. 7., Registrované v: WOS

4. [1.1] JUEID, Adil. Probing anomalous Wtb couplings at the LHC in single t-channel top quark production. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 053006., Registrované v: WOS

ADCA549 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the W charge asymmetry in the W - μ ν decay mode in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *Physics Letters B*, 2011, vol. 701, no. 1, p. 31-49. (2010: 5.255 - IF, Q1 - JCR, 3.103 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2011.05.024>

Ohlasy:

1. [1.1] DILSIZ, Kamuran - TIRAS, Emrah. Inclusive W boson QCD predictions and lepton charge asymmetry in proton-proton collisions at $\sqrt{s}=14$ TeV. In *CANADIAN JOURNAL OF PHYSICS*. ISSN 0008-4204, 2018, vol. 96, no. 9, pp. 1029-1033., Registrované v: WOS
2. [1.1] MANCA, E. - CERRI, O. - FOPPIANI, N. - ROLANDI, G. About the rapidity and helicity distributions of the W bosons produced at LHC. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2017, no. 12, art. no. 130., Registrované v: WOS

ADCA550 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the W W cross section in $\sqrt{s}=7$ TeV pp collisions with the ATLAS detector and limits on anomalous gauge couplings. In *Physics Letters B*, 2012, vol. 712, no. 4-5, p. 289-308. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2012.05.003>

Ohlasy:

1. [1.1] AHMADOV, A.I. W Boson Pair Production in Association with the Photon in Proton-Proton Collisions at LHC Energies. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, SEP 2019, vol. 58, no. 9, p. 2770-2794., Registrované v: WOS
2. [1.1] DARVISHI, N. - MASOUMINIA, M.R. - OSTROLENK, K. $k(t)$ factorization versus collinear factorization in $W^+ W^-$ pair production at the LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, JAN 13 2020, vol. 101, no. 1., Registrované v: WOS
3. [1.1] DILSIZ, Kamuran - OGUL, Hasan. A phenomenological calculation for W^+W^- diboson production for the Large Hadron Collider and Future Circular Collider. In *TURKISH JOURNAL OF PHYSICS*. ISSN 1300-0101, 2018, vol. 42, no. 6, pp. 737-741., Registrované v: WOS
4. [1.1] DILSIZ, Kamuran. NLO K factors for ZZ double vector boson pairs in proton-proton collisions. In *MODERN PHYSICS LETTERS A*. ISSN 0217-7323, 2018, vol. 33, no. 26, art. no. 1850153., Registrované v: WOS
5. [1.1] KROLL, I. Joseph. The Road to Discovery Detector Alignment, Electron Identification, Particle Misidentification, WW Physics, and the Discovery of the Higgs Boson Preface. In *ROAD TO DISCOVERY: DETECTOR ALIGNMENT, ELECTRON IDENTIFICATION, PARTICLE MISIDENTIFICATION, WW PHYSICS, AND THE DISCOVERY OF THE HIGGS BOSON*. ISSN 2190-5053, 2015, pp. XI-XV., Registrované v: WOS

6. [1.1] KROLL, I. Joseph. WW Physics. In ROAD TO DISCOVERY: DETECTOR ALIGNMENT, ELECTRON IDENTIFICATION, PARTICLE MISIDENTIFICATION, WW PHYSICS, AND THE DISCOVERY OF THE HIGGS BOSON. ISSN 2190-5053, 2015, pp. 129-149., Registrované v: WOS
7. [1.1] KROLL, I. Joseph. WW Cross Section Measurement. In ROAD TO DISCOVERY: DETECTOR ALIGNMENT, ELECTRON IDENTIFICATION, PARTICLE MISIDENTIFICATION, WW PHYSICS, AND THE DISCOVERY OF THE HIGGS BOSON. ISSN 2190-5053, 2015, pp. 211-227., Registrované v: WOS
8. [1.1] LUSZCZAK, Marta - SCHAFER, Wolfgang - SZCZUREK, Antoni. Production of $W+W$ (-) pairs via $\gamma^*\gamma^* \rightarrow W+W$ subprocess with photon transverse momenta. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 064., Registrované v: WOS

ADCA551 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the $W - l\nu$ and $Z/\gamma^* - ll$ production cross sections in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2010, vol. 2010, no. 12, art. no. 060. (2009: 6.019 - IF, 1.497 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1029-8479.

Ohlasy:

1. [1.1] BASSO, Eduardo - GONCALVES, Victor P. - NEMCHIK, Jan - PASECHNIK, Roman - SUMBERA, Michal. Drell-Yan phenomenology in the color dipole picture revisited. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 034023., Registrované v: WOS
2. [1.1] OGUL, Hasan - DILSIZ, Kamuran - TIRAS, Emrah - TAN, Ping - ONEL, Yasar - NACHTMAN, Jane. High Order QCD Predictions for Inclusive Production of W Bosons in pp Collisions at $\sqrt{s}=13$ TeV. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 7865689., Registrované v: WOS

ADCA552 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the $W - \tau \nu(\tau)$ cross section in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS experiment ATLAS Collaboration. In *Physics Letters B*, 2012, vol. 706, no. 4-5, p. 276-294. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] CACCIARI, Matteo - DE MONCHENAULT, Gautier Hamel. Standard Model theory calculations and experimental tests. In COMPTES RENDUS PHYSIQUE. ISSN 1631-0705, 2015, vol. 16, no. 4, pp. 368-378., Registrované v: WOS
2. [1.1] DYSCH, S. - WYATT, T.R. A self-calibrating, double-ratio method to test tau lepton universality in W boson decays at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 20 2020, vol. 80, no. 2., Registrované v: WOS
3. [1.1] ILTEN, Philip. Z and W Physics with Tau-Leptons at the LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2015, vol. 260, pp. 211-215., Registrované v: WOS

ADCA553 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Measurement of the WZ cross section and triple gauge couplings in p(p)over-bar collisions at root s=1.96 TeV. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2012, vol. 86, no. 3, art. no. R031104. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.86.031104>

Ohlasy:

1. [1.1] BOBETH, Christoph - HAISCH, Ulrich. Anomalous triple gauge couplings from B-meson and kaon observables. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2015, no. 9, art. no. 018., Registrované v: WOS

ADCA554 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of the W-boson mass in pp collisions at root s=7 TeV with the ATLAS detector. In *European Physical Journal C*, 2018, vol. 78, no. 2, art. no. 110. (2017: 5.172 - IF, Q1 - JCR, 2.022 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-017-5475-4>

Ohlasy:

1. [1.1] AEBISCHER, J. - KUMAR, J. - STANGL, P. - STRAUB, D.M. A global likelihood for precision constraints and flavour anomalies. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, JUN 15 2019, vol. 79, no. 6., Registrované v: WOS
2. [1.1] ALASFAR, L. - AZATOV, A. - DE BLAS, J. - PAUL, A. - VALLI, M. B anomalies under the lens of electroweak precision. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, DEC 2 2020, no. 12., Registrované v: WOS
3. [1.1] ANTROPOV, S. HIGH PRECISION LEPTON PAIR BREMSSTRAHLUNG WITH PHOTOS. In *ACTA PHYSICA POLONICA B*. ISSN 0587-4254, 2020, vol. 51, no. 6, p. 1221-1229., Registrované v: WOS
4. [1.1] BACCHETTA, A. - BOZZI, G. - RADICI, M. - RITZMANN, M. - SIGNORI, A. Effect of flavor-dependent partonic transverse momentum on the determination of the W boson mass in hadronic collisions. In *PHYSICS LETTERS B*. ISSN 0370-2693, JAN 10 2019, vol. 788, p. 542-545., Registrované v: WOS
5. [1.1] BATELL, Brian - HAN, Tao - MCKEEN, David - HAGHI, Barmak Shams Es. Thermal dark matter through the Dirac neutrino portal. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075016., Registrované v: WOS
6. [1.1] BECHER, T. - HAGER, M. Event-based transverse momentum resummation. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, AUG 8 2019, vol. 79, no. 8., Registrované v: WOS
7. [1.1] BERNARD, V. - DESCOTES-GENON, S. - SILVA, L.V. Constraining the gauge and scalar sectors of the doublet left-right symmetric model. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, SEP 11 2020, no. 9., Registrované v: WOS
8. [1.1] BERTACCHI, V. - BIANCHINI, L. - MANCA, E. - ROLANDI, G. - CHOWDHURY, S.R. Impact of the PDFs on the Z and W lineshapes at LHC. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044,

APR 18 2020, vol. 80, no. 4., Registrované v: WOS

9. [1.1] BERTACCHI, V. - BIANCHINI, L. - MANCA, E. - ROLANDI, G. - CHOWDHURY, S.R. Impact of the PDFs on the Z and W lineshapes at LHC. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, MAR-JUN 2020, vol. 43, no. 2-3., Registrované v: WOS

10. [1.1] BIANCHINI, L. - ROLANDI, G. A critical point in the distribution of lepton energies from the decay of a spin-1 resonance. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 8 2019, no. 5., Registrované v: WOS

11. [1.1] BILLIS, G. - TACKMANN, F.J. - TALBERT, J. Higher-order Sudakov resummation in coupled gauge theories. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 30 2020, no. 3., Registrované v: WOS

12. [1.1] BIZON, W. - GEHRMANN-DE RIDDER, A. - GEHRMANN, T. - GLOVER, N. - HUSS, A. - MONNI, P.F. - RE, E. - ROTTOLI, L. - WALKER, D.M. The transverse momentum spectrum of weak gauge bosons at (NLL)-L-3 + NNLO. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 2019, vol. 79, no. 10., Registrované v: WOS

13. [1.1] BORDES, Jose - HONG-MO, Chan - TSUN, Tsou Sheung. The Z boson in the framed standard model. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 32, art. no. 1850190., Registrované v: WOS

14. [1.1] BORDES, Jose - CHAN HONG-MO - TSUN, Tsou Sheung. A closer study of the framed standard model yielding testable new physics plus a hidden sector with dark matter candidates. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 33, art. no. 1850195., Registrované v: WOS

15. [1.1] BOZZI, G. - SIGNORI, A. Nonperturbative Uncertainties on the Transverse Momentum Distribution of Electroweak Bosons and on the Determination of the W Boson Mass at the LHC. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2019, vol. 2019., Registrované v: WOS

16. [1.1] BRIVIO, I. - TROTT, M. The standard model as an effective field theory. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, FEB 27 2019, vol. 793, p. 1-98., Registrované v: WOS

17. [1.1] BUCCIONI, F. - CAOLA, F. - DELTO, M. - JAQUIER, M. - MELNIKOV, K. - RONTSCH, R. Mixed QCD-electroweak corrections to on-shell Z production at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS

18. [1.1] CIERI, Leandro - FERRERA, Giancarlo - SBORLINI, German F. R. Combining QED and QCD transverse-momentum resummation for Z boson production at hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 165., Registrované v: WOS

19. [1.1] CIPRIANI, M. Towards the W-boson mass measurement with the CMS experiment. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, JUL-AUG 2019, vol. 42, no. 4., Registrované v: WOS

20. [1.1] CRIVELLIN, A. - KIRK, F. - MANZARI, C.A. - MONTULL, M. Global electroweak fit and vector-like leptons in light of the Cabibbo angle

- anomaly. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 28 2020, no. 12., Registrované v: WOS
21. [1.1] DIESSNER, P. - WEIGLEIN, G. Precise prediction for the W boson mass in the MRSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 3 2019, no. 7., Registrované v: WOS
22. [1.1] DITTMAYER, S. - SCHMIDT, T. - SCHWARZ, J. Mixed NNLO QCDxelectroweak corrections of $O(N_f \alpha(s)\alpha)$ to single-W/Z production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 30 2020, no. 12., Registrované v: WOS
23. [1.1] EBERT, M.A. - MISTLBERGER, B. - VITA, G. N-jettiness beam functions at (NLO)-L-3. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 22 2020, no. 9., Registrované v: WOS
24. [1.1] EBERT, M.A. - TACKMANN, F.J. Impact of isolation and fiducial cuts on $q(T)$ and N-jettiness subtractions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 26 2020, no. 3., Registrované v: WOS
25. [1.1] ELLIS, John - MURPHY, Christopher W. - SANZ, Veronica - YOU, Tevong. Updated global SMEFT fit to Higgs, diboson and electroweak data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 146., Registrované v: WOS
26. [1.1] FALKOWSKI, A. - STRAUB, D. Flavourful SMEFT likelihood for Higgs and electroweak data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 14 2020, no. 4., Registrované v: WOS
27. [1.1] FARRY, S. - LUPTON, O. - PILI, M. - VESTERINEN, M. Understanding and constraining the PDF uncertainties in a W boson mass measurement with forward muons at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 13 2019, vol. 79, no. 6., Registrované v: WOS
28. [1.1] FAURA, F. - IRANIPOUR, S. - NOCERA, E.R. - ROJO, J. - UBIALI, M. The strangest proton?. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 19 2020, vol. 80, no. 12., Registrované v: WOS
29. [1.1] FREYTSIS, M. - HARRIS, P. - HINZMANN, A. - MOULT, I. - TRAN, N. - VERNIERI, C. Prospects for a measurement of the W boson mass in the all-jets final state at hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 1 2019, no. 2., Registrované v: WOS
30. [1.1] GEHRMANN-DE RIDDER, A. - GEHRMANN, T. - GLOVER, E. W. N. - HUSS, A. - WALKER, D. M. Next-to-Next-to-Leading-Order QCD Corrections to the Transverse Momentum Distribution of Weak Gauge Bosons. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 12, art. no. 122001., Registrované v: WOS
31. [1.1] HASAN, S.M. - SCHUBERT, U. Master integrals for the mixed QCD-QED corrections to the Drell-Yan production of a massive lepton pair. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 20 2020, no. 11., Registrované v: WOS
32. [1.1] HOU, G.W.S. Perspectives and outlook from HEP window on the universe. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, JAN 20 2019, vol. 34, no. 2., Registrované v: WOS
33. [1.1] JADACH, S. - WARD, B.F.L. - WAS, Z. - YOST, S.A. Systematic studies of exact $O(\alpha_L^2)$ CEEX EW corrections in a hadronic MC for precision Z/γ^* physics at LHC energies. In PHYSICAL REVIEW

- D. ISSN 2470-0010, APR 30 2019, vol. 99, no. 7., Registrované v: WOS
34. [1.1] KRAUSS, F. - LINDERT, J.M. - LINTEN, R. - SCHONHERR, M. Accurate simulation of W, Z, and Higgs boson decays in Sherpa. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 19 2019, vol. 79, no. 2., Registrované v: WOS
35. [1.1] MATCHEV, K.T. - SHYAMSUNDAR, P. Singularity variables for missing energy event kinematics. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 6 2020, no. 4., Registrované v: WOS
36. [1.1] MATSUMOTO, Shigeki - SHIRAI, Satoshi - TAKEUCHI, Michihisa. Indirect probe of electroweakly interacting particles at the high-luminosity Large Hadron Collider. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 049., Registrované v: WOS
37. [1.1] MONNI, P.F. - NASON, P. - RE, E. - WIESEMANN, M. - ZANDERIGHI, G. MinNLO(PS): a new method to match NNLO QCD to parton showers. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 27 2020, no. 5., Registrované v: WOS
38. [1.1] ROBENS, T. - STEFANIAK, T. - WITTBRODT, J. Two-real-scalar-singlet extension of the SM: LHC phenomenology and benchmark scenarios. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 19 2020, vol. 80, no. 2., Registrované v: WOS
39. [1.1] SATO, N. - ANDRES, C. - ETHIER, J.J. - MELNITCHOUK, W. Strange quark suppression from a simultaneous Monte Carlo analysis of parton distributions and fragmentation functions. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 17 2020, vol. 101, no. 7., Registrované v: WOS

ADCA555 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of the W-+/- Z boson pair-production cross section in pp collisions at root s=13 TeV with the ATLAS detector. In *Physics Letters B*, 2016, vol. 762, p. 1-22. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2016.08.052>

Ohlasy:

1. [1.1] BAGLIO, J. - NINH, L.D. Fiducial polarization observables in hadronic WZ production: a next-to-leading order QCD plus EW study. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 8 2019, no. 4., Registrované v: WOS
2. [1.1] BEAUCHESNE, Hughes - BERTUZZO, Enrico - DI CORTONA, Giovanni Grilli. Constraints on the relaxion mechanism with strongly interacting vector-fermions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 093., Registrované v: WOS
3. [1.1] BEAUCHESNE, Hugues - BERTUZZO, Enrico - DI CORTONA, Giovanni Grilli - TABRIZI, Zahra. Collider phenomenology of Hidden Valley mediators of spin 0 or 1/2 with semivisible jets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 030., Registrované v: WOS
4. [1.1] FALKOWSKI, Adam - GONZALEZ-ALONSO, Martin - GRELJO, Admir - MARZOCCA, David - SON, Minho. Anomalous triple gauge couplings in the effective field theory approach at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 2, art. no. 115.,

Registrované v: WOS

5. [1.1] GIOVANNINI, M. Primordial backgrounds of relic gravitons. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, MAY 2020, vol. 112., Registrované v: WOS

6. [1.1] GRAZZINI, Massimiliano - KALLWEIT, Stefan - RATHLEV, Dirk - WIESEMANN, Marius. $W(+/-)Z$ production at the LHC: fiducial cross sections and distributions in NNLO QCD. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 5, art. no. 139., Registrované v: WOS

7. [1.1] GRAZZINI, Massimiliano - KALLWEIT, Stefan - WIESEMANN, Marius. Fully differential NNLO computations with MATRIX. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 7, art. no. 537., Registrované v: WOS

8. [1.1] GRAZZINI, M. - KALLWEIT, S. - LINDERT, J.M. - POZZORINI, S. - WIESEMANN, M. NNLO QCD plus NLO EW with MATRIX plus OPENLOOPS: precise predictions for vector-boson pair production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 13 2020, no. 2., Registrované v: WOS

9. [1.1] CHIESA, Mauro - DENNER, Ansgar - LANG, Jean-Nicolas. Anomalous triple-gauge-boson interactions in vector-boson pair production with RECOLA2. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 467., Registrované v: WOS

10. [1.1] RAHAMAN, R. - SINGH, R.K. Unravelling the anomalous gauge boson couplings in $ZW(+/-)$ production at the LHC and the role of spin-1 polarizations. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 14 2020, no. 4., Registrované v: WOS

ADCA556 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the $W(+/-)Z$ production cross section and limits on anomalous triple gauge couplings in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *Physics Letters B*, 2012, vol. 709, no. 4-5, p. 341-357. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2012.02.053>

Ohlasy:

1. [1.1] ANASTASIOU, Charalampos - CANCINO, Julian - CHAVEZ, Federico - DUHR, Claude - LAZOPOULOS, Achilleas - MISTLBERGER, Bernhard - MUELLER, Romain. NNLO QCD corrections to $pp \rightarrow \gamma^* \gamma^*$ in the large N_F limit. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 2, art. no. 182., Registrované v: WOS

2. [1.1] WANG, Yan - LI, Chong Sheng - LIU, Ze Long. Resummation prediction on gauge boson pair production with a jet veto. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 094020., Registrované v: WOS

ADCA557 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the $W^+ W^-$ production cross section in pp collisions at a centre-of-mass energy of $\sqrt{s}=13$ TeV with the ATLAS experiment. In *Physics Letters B*, 2017, vol. 773, p. 354-374. (2016: 4.807 - IF, Q1 - JCR, 3.032 - SJR, Q1 - SJR, Current Contents -

CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2017.08.047>

Ohlasy:

1. [1.1] AHMADOV, A.I. W Boson Pair Production in Association with the Photon in Proton-Proton Collisions at LHC Energies. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, SEP 2019, vol. 58, no. 9, p. 2770-2794., Registrované v: WOS
2. [1.1] ARPINO, L. - BANFI, A. - JAGER, S. - KAUER, N. BSM WW production with a jet veto. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 13 2019, no. 8., Registrované v: WOS
3. [1.1] BAGLIO, J. - DAWSON, S. - HOMILLER, S. QCD corrections in Standard Model EFT fits to WZ and WW production. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 30 2019, vol. 100, no. 11., Registrované v: WOS
4. [1.1] BERTONE, Valerio - CARRAZZA, Stefano - HARTLAND, Nathan P. - ROJO, Juan. Illuminating the photon content of the proton within a global PDF analysis. In SCIPOST PHYSICS. ISSN 2542-4653, 2018, vol. 5, no. 1, art. no. 008., Registrované v: WOS
5. [1.1] ELLIS, John - MURPHY, Christopher W. - SANZ, Veronica - YOU, Tevong. Updated global SMEFT fit to Higgs, diboson and electroweak data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 146., Registrované v: WOS
6. [1.1] GRAZZINI, Massimiliano - KALLWEIT, Stefan - WIESEMANN, Marius. Fully differential NNLO computations with MATRIX. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 7, art. no. 537., Registrované v: WOS
7. [1.1] GRAZZINI, M. - KALLWEIT, S. - WIESEMANN, M. - YOOK, J.Y. ZZ production at the LHC: NLO QCD corrections to the loop-induced gluon fusion channel. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 13 2019, no. 3., Registrované v: WOS
8. [1.1] CHIESA, Mauro - DENNER, Ansgar - LANG, Jean-Nicolas. Anomalous triple-gauge-boson interactions in vector-boson pair production with RECOLA2. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 467., Registrované v: WOS
9. [1.1] RE, Emanuele - WIESEMANN, Marius - ZANDERIGHI, Giulia. NNLOPS accurate predictions for W+W- production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 121., Registrované v: WOS

ADCA558 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCÉI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the W+W- Cross Section in root s=7 TeV pp Collisions with ATLAS. In *Physical Review Letters*, 2011, vol. 107, no. 4, art. no. 041802. (2010: 7.622 - IF, Q1 - JCR, 6.450 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1140/epjc/s10052-012-2001-6>

Ohlasy:

1. [1.1] CORDERO, F. Febres - HOFMANN, P. - ITA, H. W+W-+3-jet production at the Large Hadron Collider in next-to-leading-order QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034006.,

Registrované v: WOS

2. [1.1] DARVISHI, N. - MASOUMINIA, M.R. - OSTROLENK, K.
k(t) factorization versus collinear factorization in $W^+ W^-$ pair production at the LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, JAN 13 2020, vol. 101, no. 1., Registrované v: WOS

ADCA559 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Measurement of the W^+W^- Production Cross Section and Search for Anomalous WW gamma and WWZ Couplings in $p(p)$ over-bar Collisions at root s 1.96 TeV. In *Physical Review Letters*, 2010, vol. 104, no. 20, art. no. 201801. (2009: 7.328 - IF, 6.325 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.104.201801>

Ohlasy:

1. [1.1] ANASTASIOU, Charalampos - CANCINO, Julian - CHAVEZ, Federico - DUHR, Claude - LAZOPOULOS, Achilleas - MISTLBERGER, Bernhard - MUELLER, Romain. NNLO QCD corrections to $pp \rightarrow \gamma^* \gamma^*$ in the large N-F limit. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2015, no. 2, art. no. 182., Registrované v: WOS
2. [1.1] BIAN, Ligong - SHU, Jing - ZHANG, Yongchao. Prospects for triple gauge coupling measurements at future lepton colliders and the 14 TeV LHC. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2015, vol., no. 9, art. no. 206., Registrované v: WOS
3. [1.1] BOBETH, Christoph - HAISCH, Ulrich. Anomalous triple gauge couplings from B-meson and kaon observables. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2015, no. 9, art. no. 018., Registrované v: WOS

ADCA560 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the $Z - \tau \tau$ cross section with the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2011, vol. 84, no. 11, art. no. 112006. (2010: 4.964 - IF, Q1 - JCR, 2.759 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Ohlasy:

1. [1.1] DUMITRIU, Ana Elena - GRECU, A. T. RIVET PLUG-IN FOR $Z(0) \rightarrow e^{(+)} e^{(-)}$ PRODUCTION CROSS-SECTION MEASUREMENT IN pp COLLISIONS AT root s=7 TeV. In *ROMANIAN JOURNAL OF PHYSICS*. ISSN 1221-146X, 2015, vol. 60, no. 3-4, pp. 415-428., Registrované v: WOS
2. [1.1] DYSCH, S. - WYATT, T.R. A self-calibrating, double-ratio method to test tau lepton universality in W boson decays at the LHC. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, FEB 20 2020, vol. 80, no. 2., Registrované v: WOS

ADCA561 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the ZZ Production Cross Section and Limits on Anomalous Neutral Triple Gauge Couplings in Proton-Proton Collisions at root s=7 TeV with the ATLAS Detector. In *Physical Review Letters*, 2012, vol. 108, no. 4, art. no. 041804. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents,

WOS, SCOPUS). ISSN 0031-9007. Dostupné na:
<https://doi.org/10.1103/PhysRevLett.108.041804>

Ohlasy:

1. [1.1] ANASTASIOU, Charalampos - CANCINO, Julian - CHAVEZ, Federico - DUHR, Claude - LAZOPOULOS, Achilleas - MISTLBERGER, Bernhard - MUELLER, Romain. NNLO QCD corrections to $pp \rightarrow \gamma^* \gamma^*$ in the large N-F limit. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 2, art. no. 182., Registrované v: WOS
2. [1.1] AZEVEDO, Duarte - FERREIRA, Pedro M. - MUHLLEITNER, M. Margarete - PATEL, Shruti - SANTOS, Rui - WITTBRODT, Jonas. CP in the dark. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 091., Registrované v: WOS
3. [1.1] GRZADKOWSKI, B. - OGREID, O. M. - OSLAND, P. CP-violation in the ZZZ and ZWW vertices at $e^{(+)}e^{(-)}$ colliders in Two-Higgs-Doublet Models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 025., Registrované v: WOS
4. [1.1] MOYOTL, A. - TAVARES-VELASCO, G. - TOSCANO, J. J. CP-odd contributions to the $ZZ^* \gamma$, $ZZ \gamma^*$, and ZZZ^* vertices induced by nondiagonal charged scalar boson couplings. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 093005., Registrované v: WOS
5. [1.1] WANG, Yan - LI, Chong Sheng - LIU, Ze Long. Resummation prediction on gauge boson pair production with a jet veto. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 094020., Registrované v: WOS
6. [1.1] WEN, Yiwen - QU, Huilin - YANG, Daneng - YAN, Qi-shu - LI, Qiang - MAO, Yajun. Probing triple-W production and anomalous WWW coupling at the CERN LHC and future O (100) TeV proton-proton collider. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 3, art. no. 025., Registrované v: WOS

ADCA562 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the ZZ production cross section in proton-proton collisions at $\sqrt{s}=8$ TeV using the $ZZ - l^{(-)} l^{(+)} l^{(-)} l^{(+)}$ and $ZZ - l^{(-)} l^{(+)} \nu(\nu)$ decay channels with the ATLAS detector. In *Journal of High Energy Physics*, 2017, no. 1, art. no. 099. (2016: 6.063 - IF, Q1 - JCR, 1.163 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na:
[https://doi.org/10.1007/JHEP01\(2017\)099](https://doi.org/10.1007/JHEP01(2017)099)

Ohlasy:

1. [1.1] CORBETT, Tyler - DOLAN, Matthew J. - ENGLERT, Christoph - NORDSTROM, Karl. Anomalous neutral gauge boson interactions and simplified models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115040., Registrované v: WOS
2. [1.1] DAS, Arindam - DEV, P. S. Bhupal - KIM, C. S. Constraining sterile neutrinos from precision Higgs data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115013., Registrované v: WOS
3. [1.1] GRAZZINI, Massimiliano - KALLWEIT, Stefan - WIESEMANN, Marius. Fully differential NNLO computations with MATRIX. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 7, art. no. 537., Registrované v: WOS

4. [1.1] CHIESA, Mauro - DENNER, Ansgar - LANG, Jean-Nicolas. Anomalous triple-gauge-boson interactions in vector-boson pair production with RECOLA2. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 467., Registrované v: WOS
5. [1.1] KALLWEIT, Stefan - WIESEMANN, Marius. ZZ production at the LHC: NNLO predictions for 2l2v and 4l signatures. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 786, pp. 382-389., Registrované v: WOS

ADCA563 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABELOOS, B. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the ZZ Production Cross Section in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. In *Physical Review Letters*, 2016, vol. 116, no. 10, art. no. 101801. (2015: 7.645 - IF, Q1 - JCR, 4.656 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.116.101801>

Ohlasy:

1. [1.1] ALCAIDE, J. - MILEO, N.I. LHC sensitivity to singly charged scalars decaying into electrons and muons. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 23 2020, vol. 102, no. 7., Registrované v: WOS
2. [1.1] CABOUAT, B. - GAUNT, J.R. Combining single and double parton scatterings in a parton shower. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 1 2020, no. 10., Registrované v: WOS
3. [1.1] CHIESA, Mauro - DENNER, Ansgar - LANG, Jean-Nicolas. Anomalous triple-gauge-boson interactions in vector-boson pair production with RECOLA2. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 467., Registrované v: WOS
4. [1.1] KALLWEIT, Stefan - WIESEMANN, Marius. ZZ production at the LHC: NNLO predictions for 2l2v and 4l signatures. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 786, pp. 382-389., Registrované v: WOS
5. [1.1] MASSIRONI, A. Is Nature Standard like the Model? Experimental results on Standard Model and Higgs boson physics. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2018, vol. 41, no. 1-2, art. no. 19., Registrované v: WOS

ADCA564 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of the Z/gamma* boson transverse momentum distribution in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2014, vol. 2014, no. 9, art. no. 145. (2013: 6.220 - IF, Q1 - JCR, 1.173 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP09\(2014\)145](https://doi.org/10.1007/JHEP09(2014)145)

Ohlasy:

1. [1.1] ALIOLI, Simone - BAUER, Christian W. - BERGGREN, Calvin - TACKMANN, Frank J. - WALSH, Jonathan R. Drell-Yan production at NNLL ' plus NNLO matched to parton showers. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 094020., Registrované v: WOS
2. [1.1] ALIOLI, Simone - BAUER, Christian W. - GUNS, Sam - TACKMANN, Frank J. Underlying-event sensitive observables in Drell-Yan production using GENEVA. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 11, art. no. 614., Registrované v: WOS

3. [1.1] BACCHETTA, A. - BERTONE, V. - BISSOLOTTI, C. - BOZZI, G. - DELCARRO, F. - PIACENZA, F. - RADICI, M.
Transverse-momentum-dependent parton distributions up to (NLL)-L-3 from Drell-Yan data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 17 2020, no. 7., Registrované v: WOS
4. [1.1] BAILEY, S. - HARLAND-LANG, L.A. Differential top quark pair production at the LHC: Challenges for PDF fits. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 25 2020, vol. 80, no. 1., Registrované v: WOS
5. [1.1] BALL, Richard D. - BERTONE, Valerio - CARRAZZA, Stefano - DEL DEBBIO, Luigi - FORTE, Stefano - GROTH-MERRILD, Patrick - GUFFANTI, Alberto - HARTLAND, Nathan P. - KASSABOV, Zahari - LATORRE, Jose I. - NOCERA, Emanuele R. - ROJO, Juan - ROTTOLI, Luca - SLADE, Emma - UBIALI, Maria. Parton distributions from high-precision collider data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 10, art. no. 663., Registrované v: WOS
6. [1.1] BALL, Richard D. - BERTONE, Valerio - BONVINI, Marco - MARZANI, Simone - ROJO, Juan - ROTTOLI, Luca. Parton distributions with small-x resummation: evidence for BFKL dynamics in HERA data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 321., Registrované v: WOS
7. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
8. [1.1] BERTONE, Valerio - CARRAZZA, Stefano - HARTLAND, Nathan P. - ROJO, Juan. Illuminating the photon content of the proton within a global PDF analysis. In SCIPOST PHYSICS. ISSN 2542-4653, 2018, vol. 5, no. 1, art. no. 008., Registrované v: WOS
9. [1.1] BERTONE, V. - SCIMEMI, I. - VLADIMIROV, A. Extraction of unpolarized quark transverse momentum dependent parton distributions from Drell-Yan/Z-boson production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 10 2019, no. 6., Registrované v: WOS
10. [1.1] BILLIS, G. - TACKMANN, F.J. - TALBERT, J. Higher-order Sudakov resummation in coupled gauge theories. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 30 2020, no. 3., Registrované v: WOS
11. [1.1] BIZON, W. - GEHRMANN-DE RIDDER, A. - GEHRMANN, T. - GLOVER, N. - HUSS, A. - MONNI, P.F. - RE, E. - ROTTOLI, L. - WALKER, D.M. The transverse momentum spectrum of weak gauge bosons at (NLL)-L-3 + NNLO. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 2019, vol. 79, no. 10., Registrované v: WOS
12. [1.1] BOYE, D. - MAPEKULA, X. Search for a Higgs boson decaying through Z(d) to 4 leptons. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2018). ISSN 1742-6588, 2019, vol. 1271., Registrované v: WOS
13. [1.1] BRODSKY, S.J. - LYKASOV, G.I. - LIPATOV, A.V. - SMIESKO, J. Novel heavy-quark physics phenomena. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, SEP 2020, vol. 114., Registrované v: WOS

14. [1.1] CABOUAT, Baptiste - SJOSTRAND, Torbjorn. Some dipole shower studies. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 226., Registrované v: WOS
15. [1.1] CELIBERTO, F. G. - GORDO GOMEZ, D. - SABIO VERA, A. Forward Drell-Yan production at the LHC in the BFKL formalism with collinear corrections. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 786, pp. 201-206., Registrované v: WOS
16. [1.1] EBERT, Markus A. - TACKMANN, Frank J. Resummation of transverse momentum distributions in distribution space. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 2, art. no. 110., Registrované v: WOS
17. [1.1] EBERT, M.A. - MISTLBERGER, B. - VITA, G. Transverse momentum dependent PDFs at (NLO)-L-3. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 22 2020, no. 9., Registrované v: WOS
18. [1.1] EBERT, M.A. - STEWART, I.W. - ZHAO, Y. Towards quasi-transverse momentum dependent PDFs computable on the lattice. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 5 2019, no. 9., Registrované v: WOS
19. [1.1] EBERT, M.A. - STEWART, I.W. - ZHAO, Y. Renormalization and matching for the Collins-Soper kernel from lattice QCD. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 17 2020, no. 3., Registrované v: WOS
20. [1.1] FISCHER, Nadine - PRESTEL, Stefan. Combining states without scale hierarchies with ordered parton showers. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 601., Registrované v: WOS
21. [1.1] FISCHER, N. - PRESTEL, S. - RITZMANN, M. - SKANDS, P. VINCIA for hadron colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 11, art. no. 589., Registrované v: WOS
22. [1.1] GAULD, R. - RIDDER, A. Gehrmann-De - GEHRMANN, T. - GLOVER, E. W. N. - HUSS, A. Precise predictions for the angular coefficients in Z-boson production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 11, art. no. 003., Registrované v: WOS
23. [1.1] GOSSMAN, D. Measurement of the Higgs Boson Transverse Momentum and its Sensitivity to New Physics Beyond the Standard Model. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP (HEPPW2015). ISSN 1742-6588, 2015, vol. 645, art. no. UNSP 012010., Registrované v: WOS
24. [1.1] HARDIE, D. - KORSMAN, S. - AMEER, S. - VOJNOV, L. - HSIAO, N.Y. Reliability of plasma HIV viral load testing beyond 24 hours: Insights gained from a study in a routine diagnostic laboratory. In PLOS ONE. ISSN 1932-6203, JUL 3 2019, vol. 14, no. 7., Registrované v: WOS
25. [1.1] HAUTMANN, F. - KEERSMAEKERS, L. - LELEK, A. - VAN KAMPEN, A.M. Dynamical resolution scale in transverse momentum distributions at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, DEC 2019, vol. 949., Registrované v: WOS
26. [1.1] HAUTMANN, F. - SCIMEMI, I. - VLADIMIROV, A. Non-perturbative contributions to vector-boson transverse momentum spectra in hadronic collisions. In PHYSICS LETTERS B. ISSN 0370-2693, JUL 10 2020, vol. 806., Registrované v: WOS
27. [1.1] HOBBS, T.J. - WANG, B.T. - NADOLSKY, P.M. - OLNES, S.

- F.I. Charting the coming synergy between lattice QCD and high-energy phenomenology. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 27 2019, vol. 100, no. 9., Registrované v: WOS
28. [1.1] HOECHE, Stefan - PRESTEL, Stefan. The midpoint between dipole and parton showers. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 461., Registrované v: WOS
29. [1.1] HOECHE, Stefan - KRAUSS, Frank - PRESTEL, Stefan. Implementing NLO DGLAP evolution in parton showers. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 10, art. no. 093., Registrované v: WOS
30. [1.1] JADACH, S. - WARD, B.F.L. - WAS, Z. - YOST, S.A. Systematic studies of exact $O(\alpha_s^2)$ CEEEX EW corrections in a hadronic MC for precision Z/γ^* physics at LHC energies. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 30 2019, vol. 99, no. 7., Registrované v: WOS
31. [1.1] LUISONI, Gionata - MARZANI, Simone. QCD resummation for hadronic final states. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 10, art. no. 103101., Registrované v: WOS
32. [1.1] MARZANI, Simone. Combining $Q(T)$ and small- x resummations. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 054047., Registrované v: WOS
33. [1.1] MERKOTAN, K. K. Measurement of W Boson Transverse Momentum based on Data Simulation. In PROCEEDINGS OF THE 2017 IEEE 7TH INTERNATIONAL CONFERENCE NANOMATERIALS: APPLICATION & PROPERTIES (NAP). ISSN 2306-580X, 2017, art. no. UNSP 02MAN16., Registrované v: WOS
34. [1.1] MOTYKA, Leszek - SADZIKOWSKI, Mariusz - STEBEL, Tomasz. Lam-Tung relation breaking in $Z(0)$ hadroproduction as a probe of parton transverse momentum. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 114025., Registrované v: WOS
35. [1.1] PIETRULEWICZ, Piotr - SAMITZ, Daniel - SPIERING, Anne - TACKMANN, Frank J. Factorization and resummation for massive quark effects in exclusive Drell-Yan. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 114., Registrované v: WOS
36. [1.1] QUACKENBUSH, Seth - SULLIVAN, Zack. Parton distributions and the W mass measurement. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 033008., Registrované v: WOS
37. [1.1] SCIMEMI, Ignazio - VLADIMIROV, Alexey. Analysis of vector boson production within TMD factorization. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 2, art. no. 89., Registrované v: WOS
38. [1.1] SCIMEMI, I. - VLADIMIROV, A. Non-perturbative structure of semi-inclusive deep-inelastic and Drell-Yan scattering at small transverse momentum. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 23 2020, no. 6., Registrované v: WOS
39. [1.1] SCHOENHERR, Marek. Recent developments in Monte-Carlo Event Generators. In XLV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2015). ISSN 2100-014X, 2016, vol. 120, art. no. UNSP 05002., Registrované v: WOS

ADCA565 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABED ABUD, A. - ABELING, K. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of the $Z(-l(+))l(-))$ gamma production cross-section in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2020, no. 3, art. no. 054. (2019: 5.875 - IF, Q1 - JCR, 0.948 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP03\(2020\)054](https://doi.org/10.1007/JHEP03(2020)054)

Ohlasy:

1. [1.1] WIESEMANN, M. - ROTTOLI, L. - TORRIELLI, P. The Z gamma transverse-momentum spectrum at NNLO+(NLL)-L-3. In *PHYSICS LETTERS B*. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS

ADCA566 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of three-jet production cross-sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector. In *European Physical Journal C*, 2015, vol. 75, no. 5, art. no. 228. (2014: 5.084 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1434-6044.

Ohlasy:

1. [1.1] KHALEK, R.A. - FORTE, S. - GEHRMANN, T. - GEHRMANN-DE RIDDER, A. - GIANI, T. - GLOVER, N. - HUSS, A. - NOCERA, E.R. - PIRES, J. - ROJO, J. - STAGNITTO, G. Phenomenology of NNLO jet production at the LHC and its impact on parton distributions. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, AUG 31 2020, vol. 80, no. 8., Registrované v: WOS
2. [1.1] KOKKAS, P. Measurements of jet-related observables at the LHC. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2015, vol. 30, no. 31, art. no. 1546004., Registrované v: WOS
3. [1.1] RABBERTZ, Klaus. Absolute Cross Sections. In *JET PHYSICS AT THE LHC: THE STRONG FORCE BEYOND THE TEV SCALE*. ISSN 0081-3869, 2017, vol. 268, pp. 111-144., Registrované v: WOS
4. [1.1] RABBERTZ, Klaus. Jet Measurement. In *JET PHYSICS AT THE LHC: THE STRONG FORCE BEYOND THE TEV SCALE*. ISSN 0081-3869, 2017, vol. 268, pp. 61-110., Registrované v: WOS
5. [1.1] ROJO, Juan. Constraints on parton distributions and the strong coupling from LHC jet data. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2015, vol. 30, no. 31, art. no. 1546005., Registrované v: WOS

ADCA567 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of top quark pair differential cross sections in the dilepton channel in pp collisions at $\sqrt{s}=7$ and 8 TeV with ATLAS. In *Physical Review D*, 2016, vol. 94, no. 9, art. no. 092003. (2015: 4.506 - IF, Q2 - JCR, 2.236 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.94.092003>

Ohlasy:

1. [1.1] BAILEY, S. - HARLAND-LANG, L.A. Differential top quark

- pair production at the LHC: Challenges for PDF fits. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 25 2020, vol. 80, no. 1., Registrované v: WOS
2. [1.1] BUONOCORE, Luca - NASON, Paolo - TRAMONTANO, Francesco. Heavy quark radiation in NLO plus PS POWHEG generators. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 2, art. no. 151., Registrované v: WOS
 3. [1.1] CATANI, Stefano - GRAZZINI, Massimiliano - SARGSYAN, Hayk. Transverse-momentum resummation for top-quark pair production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 061., Registrované v: WOS
 4. [1.1] CATANI, S. - DEVOTO, S. - GRAZZINI, M. - KALLWEIT, S. - MAZZITELLI, J. Top-quark pair production at the LHC: fully differential QCD predictions at NNLO. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 17 2019, no. 7., Registrované v: WOS
 5. [1.1] FARINA, M. - MONDINO, C. - PAPPADOPULO, D. - RUDERMAN, J.T. New physics from high energy tops. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 31 2019, no. 1., Registrované v: WOS
 6. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS
 7. [1.1] ZHANG, Cen. Constraining qqtt operators from four-top production: a case for enhanced EFT sensitivity. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 2, art. no. 023104., Registrované v: WOS

ADCA568 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of Top Quark Polarization in Top-Antitop Events from Proton- Proton Collisions at root s=7 TeV Using the ATLAS Detector. In *Physical Review Letters*, 2013, vol. 111, no. 23, art. no. 232002. (2012: 7.943 - IF, Q1 - JCR, 6.292 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.111.232002>

Ohlasy:

1. [1.1] ABRAHANTES, A. - ARGANDA, E. - PENARANDA, S. Top-quark polarization and asymmetries at the LHC in the effective description of squark interactions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 1, art. no. 37., Registrované v: WOS
2. [1.1] BALLESTRERO, A. - MAINA, E. - PELLICCIOLI, G. Polarized vector boson scattering in the fully leptonic WZ and ZZ channels at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 11 2019, no. 9., Registrované v: WOS
3. [1.1] BERNREUTHER, Werner - UWER, Peter. Top-quark physics at colliders. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2015, vol. 261, pp. 414-442., Registrované v: WOS
4. [1.1] FALKER, Clemens - HARTMANN, Alexander - GUETT, Inga - DOHLER, Frank - ALTMEPPEN, Hermann - BETZEL, Christian - SCHUBERT, Robin - THURM, Dana - WEGWITZ, Florian - JOSHI, Pooja - VERDERIO, Claudia - KRASEMANN, Susanne - GLATZEL, Markus. Exosomal cellular prion protein drives fibrillization of amyloid beta and

- counteracts amyloid beta-mediated neurotoxicity. In JOURNAL OF NEUROCHEMISTRY. ISSN 0022-3042, 2016, vol. 137, no. 1, pp. 88-100., Registrované v: WOS
5. [1.1] FEIGEL, Amanda - SYLLA, Patricia. Role of Minimally Invasive Surgery in the Reoperative Abdomen or Pelvis. In CLINICS IN COLON AND RECTAL SURGERY. ISSN 1531-0043, 2016, vol. 29, no. 2, pp. 168-180., Registrované v: WOS
6. [1.1] FRIBERG, Sten - NYSTROM, Andreas M. NANOMEDICINE: will it offer possibilities to overcome multiple drug resistance in cancer? In JOURNAL OF NANOBIO TECHNOLOGY. ISSN 1477-3155, 2016, vol. 14, art. no. 17., Registrované v: WOS
7. [1.1] GODBOLE, Rohini M. - MENDIRATTA, Gaurav - RINDANI, Saurabh D. Looking for BSM physics using top-quark polarization and decay-lepton kinematic asymmetries. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 094013., Registrované v: WOS
8. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS
9. [1.1] KALOSHIN, A. E. - LOMOV, V. P. On the polarization of fermion in an intermediate state. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 17, art. no. 1750096., Registrované v: WOS
10. [1.1] KATSI, Yevgeny. Measuring c-quark polarization in W plus c samples at ATLAS and CMS. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 11, art. no. 011., Registrované v: WOS
11. [1.1] LEGNAME, Giuseppe - MODA, Fabio. The Prion Concept and Synthetic Prions. In PRION PROTEIN. ISSN 1877-1173, 2017, vol. 150, pp. 147-156., Registrované v: WOS
12. [1.1] PRASATH, V. Arun - GODBOLE, Rohini M. - RINDANI, Saurabh D. Longitudinal top polarisation measurement and anomalous Wtb coupling. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 402., Registrované v: WOS
13. [1.1] ROIK, Elena - SHARASHOVA, Ekaterina - KHARKOVA, Olga - NIEBOER, Evert - POSTOEV, Vitaly - ODLAND, Jon O. Sociodemographic characteristics, sexual behaviour and knowledge about cervical cancer prevention as risk factors for high-risk human papillomavirus infection in Arkhangelsk, North-West Russia. In INTERNATIONAL JOURNAL OF CIRCUMPOLAR HEALTH. ISSN 1239-9736, 2018, vol. 77, no. 1, art. no. 1498681., Registrované v: WOS
14. [1.1] SAHA, Pratishruti - KIERS, Ken - SZYNKMAN, Alejandro. Single-top production and rare top interactions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035003., Registrované v: WOS
15. [1.1] TRUTEN, I.V. - KORCHIN, A.Y. The top-quark polarization beyond the Standard Model in electron-positron annihilation. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, APR 30 2019, vol. 34, no. 12., Registrované v: WOS

ADCA569 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Measurement of

transverse energy at midrapidity in Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV. In *Physical Review C*, 2016, vol. 94, no. 3, art. no. 034903. (2015: 3.146 - IF, Q2 - JCR, 1.993 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.94.034903>

Ohlasy:

1. [1.1] BERNHARD, Jonah E. - MORELAND, J. Scott - BASS, Steffen A. Bayesian estimation of the specific shear and bulk viscosity of quark-gluon plasma. In *NATURE PHYSICS*. ISSN 1745-2473, 2019, vol. 15, no. 11, pp. 1113-+, Registrované v: WOS
2. [1.1] GIACALONE, Giuliano - MAZELIAUSKAS, Aleksas - SCHLICHTING, Soeren. Hydrodynamic Attractors, Initial State Energy, and Particle Production in Relativistic Nuclear Collisions. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 123, no. 26., Registrované v: WOS
3. [1.1] CHATURVEDI, O. S. K. - SRIVASTAVA, P. K. - SINGH, Arpit - SINGH, B. K. Universal freezeout condition for charged hadrons in a hybrid approach. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2018, vol. 54, no. 3, art. no. 46., Registrované v: WOS
4. [1.1] CHATURVEDI, O.S.K. - SRIVASTAVA, P.K. - SINGH, A. - RAINA, P.K. - SINGH, B.K. Multiparticle production and geometric scaling in 5.44 TeV Xe-Xe collisions at the CERN Large Hadron Collider using wounded quark model. In *EUROPEAN PHYSICAL JOURNAL PLUS*. ISSN 2190-5444, FEB 19 2020, vol. 135, no. 2., Registrované v: WOS
5. [1.1] JIANG ZE-FANG - YANG CHUN-BIN - CSANAD, Mate - CSORGO, Tamas. Accelerating hydrodynamic description of pseudorapidity density and the initial energy density in p plus p, Cu plus Cu, Au plus Au, and Pb plus Pb collisions at energies available at the BNL Relativistic Heavy Ion Collider and the CERN Large Hadron Collider. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2018, vol. 97, no. 6, art. no. 064906., Registrované v: WOS
6. [1.1] ORTIZ, Antonio - VAZQUEZ, Omar. Energy density and path-length dependence of the fractional momentum loss in heavy-ion collisions at $\sqrt{s(NN)}$ from 62.4 to 5020 GeV. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2018, vol. 97, no. 1, art. no. 014910., Registrované v: WOS

ADCA570 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of transverse energy-energy correlations in multi-jet events in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector and determination of the strong coupling constant $\alpha_s(m(Z))$. In *Physics Letters B*, 2015, vol. 750, p. 427-447. (2014: 6.131 - IF, Q1 - JCR, 3.562 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2015.09.050>

Ohlasy:

1. [1.1] ALI, A. - LI, G. - WANG, W. - XING, Z.P. Transverse energy-energy correlations of jets in the electron-proton deep inelastic scattering at HERA. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, DEC 2020, vol. 80, no. 12., Registrované v: WOS
2. [1.1] FORTE, S. - KASSABOV, Z. Why α_s cannot be determined from hadronic processes without simultaneously determining the parton distributions. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN

- 1434-6044, FEB 28 2020, vol. 80, no. 3., Registrované v: WOS
3. [1.1] HUDSPITH, Renwick J. - LEWIS, Randy - MALTMAN, Kim - SHINTANIT, Eigo. Strong coupling constant from Adler function in lattice QCD. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 32, art. no. 1630037., Registrované v: WOS
 4. [1.1] CHICHERIN, D. - GEHRMANN, T. - HENN, J.M. - WASSER, P. - ZHANG, Y. - ZOIA, S. All Master Integrals for Three-Jet Production at Next-to-Next-to-Leading Order. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, JUL 25 2019, vol. 123, no. 4., Registrované v: WOS
 5. [1.1] JOHNSON, Mark - MAITRE, Daniel. Strong coupling constant extraction from high-multiplicity Z plus jets observables. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 054013., Registrované v: WOS
 6. [1.1] RABBERTZ, Klaus. Normalised Cross Sections. In JET PHYSICS AT THE LHC: THE STRONG FORCE BEYOND THE TEV SCALE. ISSN 0081-3869, 2017, vol. 268, pp. 163-198., Registrované v: WOS

ADCA571 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of $t(\bar{t})$ -over-bar production with a veto on additional central jet activity in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. In *European Physical Journal C*, 2012, vol. 72, no. 6, art. no. 2043. (2011: 3.631 - IF, Q2 - JCR, 2.962 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-012-2043-9>

Ohlasy:

1. [1.1] BALSIGER, M. - BECHER, T. - FERROGLIA, A. Resummation of non-global logarithms in cross sections with massive particles. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 3 2020, no. 9., Registrované v: WOS
2. [1.1] BELLM, Johannes - GIESEKE, Stefan - GRELLSCHEID, David - PLATZER, Simon - RAUCH, Michael - REUSCHLE, Christian - RICHARDSON, Peter - SCHICHEL, Peter - SEYMOUR, Michael H. - SIODMOK, Andrzej - WILCOCK, Alexandra - FISCHER, Nadine - HARRENDORF, Marco A. - NAIL, Graeme - PAPAEFSTATHIOU, Andreas - RAUCH, Daniel. Herwig 7.0/Herwig++3.0 release note. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, art. no. 196., Registrované v: WOS
3. [1.1] CORMIER, K. - PLATZER, S. - REUSCHLE, C. - RICHARDSON, P. - WEBSTER, S. Parton showers and matching uncertainties in top quark pair production with Herwig 7. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
4. [1.1] CZAKON, Michal - FIEDLER, Paul - MITOV, Alexander. Resolving the Tevatron Top Quark Forward-Backward Asymmetry Puzzle: Fully Differential Next-to-Next-to-Leading-Order Calculation. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 5, art. no. 052001., Registrované v: WOS
5. [1.1] PLAETZER, Simon - SJODAHL, Malin - THOREN, Johan. Color matrix element corrections for parton showers. In JOURNAL OF HIGH

ADCA572 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Measurement of $t(t)$ -over-cap spin correlation in $p(p)$ -over-cap collisions using the CDF II detector at the Tevatron. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2011, vol. 83, no. 3, art. no. R031104. (2010: 4.964 - IF, Q1 - JCR, 2.759 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.83.031104>

Ohlasy:

1. [1.1] BERNREUTHER, Werner - HEISLER, Dennis - SI, Zong-Guo. A set of top quark spin correlation and polarization observables for the LHC: Standard Model predictions and new physics contributions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 12, art. no. 026., Registrované v: WOS
2. [1.1] BOOS, E. E. - BRANDT, O. E. - DENISOV, D. S. - DENISOV, S. P. - GRANNIS, P. D. The top quark (20 years after its discovery). In PHYSICS-USPEKHI. ISSN 1063-7869, 2015, vol. 58, no. 12, pp. 1133-1158., Registrované v: WOS
3. [1.1] DENISOV, Dmitri - VELLIDIS, Costas. The TOP QUARK, 20 years after its discovery. In PHYSICS TODAY. ISSN 0031-9228, 2015, vol. 68, no. 4, pp. 46-52., Registrované v: WOS

ADCA573 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of underlying event characteristics using charged particles in pp collisions at $\sqrt{s} = 900$ GeV and 7 TeV with the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2011, vol. 83, no. 11, art. no. 112001. (2010: 4.964 - IF, Q1 - JCR, 2.759 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.83.112001>

Ohlasy:

1. [1.1] AZARKIN, M. - KOTKO, P. - SIODMOK, A. - STRIKMAN, M. Studying minijets and MPI with rapidity correlations. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 27 2019, vol. 79, no. 3., Registrované v: WOS
2. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
3. [1.1] BELLM, Johannes - GIESEKE, Stefan - GRELLSCHEID, David - PLATZER, Simon - RAUCH, Michael - REUSCHLE, Christian - RICHARDSON, Peter - SCHICHTTEL, Peter - SEYMOUR, Michael H. - SIODMOK, Andrzej - WILCOCK, Alexandra - FISCHER, Nadine - HARRENDORF, Marco A. - NAIL, Graeme - PAPAEFSTATHIOU, Andreas - RAUCH, Daniel. Herwig 7.0/Herwig++3.0 release note. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, art. no. 196., Registrované v: WOS
4. [1.1] BELLM, J. - GIESEKE, S. - KIRCHGAESSER, P. Improving the description of multiple interactions in Herwig. In EUROPEAN PHYSICAL

JOURNAL C. ISSN 1434-6044, MAY 25 2020, vol. 80, no. 5., Registrované v: WOS

5. [1.1] BLOK, B. - GUNNELLINI, P. Dynamical approach to MPI four-jet production in Pythia. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 6, art. no. 282., Registrované v: WOS
6. [1.1] BLOK, B. - STRIKMAN, M. Open charm production in double parton scattering processes in the forward kinematics. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 12, art. no. 694., Registrované v: WOS
7. [1.1] BLOK, B. - STRIKMAN, M. Interplay of soft and perturbative correlations in multiparton interactions at central rapidities. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 772, pp. 219-224., Registrované v: WOS
8. [1.1] BROOKS, Helen - SKANDS, Peter. Average event properties from LHC to FCC-hh. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 11, art. no. 963., Registrované v: WOS
9. [1.1] DEV, P.S.B. - KHAN, S. - MITRA, M. - RAI, S.K. Doubly-charged Higgs boson at a future electron-proton collider. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 11 2019, vol. 99, no. 11., Registrované v: WOS
10. [1.1] FISCHER, N. - PRESTEL, S. - RITZMANN, M. - SKANDS, P. VINCIA for hadron colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 11, art. no. 589., Registrované v: WOS
11. [1.1] GIESEKE, Stefan - LOSHAJ, Frasher - KIRCHGAESSER, Patrick. Soft and diffractive scattering with the cluster model in Herwig. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 3, art. no. 156., Registrované v: WOS
12. [1.1] GUNNELLINI, P. - JUNG, H. - MAHARUCKSIT, R. Investigation of the energy dependence of the $p(T_0)$ parameter in the PYTHIA 8 Monte Carlo event generator. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 521., Registrované v: WOS
13. [1.1] JUNG, Hannes - VAN MECHELEN, Pierre. A Hadronic Collision. In STUDY OF DOUBLE PARTON SCATTERING USING FOUR-JET SCENARIOS: IN PROTON-PROTON COLLISIONS AT $(\text{SQUARE ROOT})S = 7$ TEV WITH THE CMS EXPERIMENT AT THE LHC. ISSN 2190-5053, 2016, pp. 29-52., Registrované v: WOS
14. [1.1] JUNG, Hannes - VAN MECHELEN, Pierre. Extraction of the DPS Contribution. In STUDY OF DOUBLE PARTON SCATTERING USING FOUR-JET SCENARIOS: IN PROTON-PROTON COLLISIONS AT $(\text{SQUARE ROOT})S = 7$ TEV WITH THE CMS EXPERIMENT AT THE LHC. ISSN 2190-5053, 2016, pp. 199-217., Registrované v: WOS
15. [1.1] JUNG, Hannes - VAN MECHELEN, Pierre. New Underlying Event Tunes. In STUDY OF DOUBLE PARTON SCATTERING USING FOUR-JET SCENARIOS: IN PROTON-PROTON COLLISIONS AT $(\text{SQUARE ROOT})S = 7$ TEV WITH THE CMS EXPERIMENT AT THE LHC. ISSN 2190-5053, 2016, pp. 245-261., Registrované v: WOS
16. [1.1] KUMAR, R. - BANSAL, M. - BANSAL, S. - SINGH, J. B. New observables for multiple-parton interactions measurements using Z plus jets processes at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 054019., Registrované v: WOS

17. [1.1] MEHDIABADI, S.P. - FAHIM, A. Explicit jet veto as a tool to purify the underlying event in the Drell-Yan process using CMS Open Data. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, SEP 2019, vol. 46, no. 9., Registrované v: WOS
18. [1.1] ORTIZ, Antonio - VALENCIA PALOMO, Lizardo. Universality of the underlying event in pp collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 114019., Registrované v: WOS
19. [1.1] ORTIZ, A. - PALOMO, L.V. Probing color reconnection with underlying event observables at the LHC energies. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 28 2019, vol. 99, no. 3., Registrované v: WOS
20. [1.1] PIEROG, T. - GUIOT, B. - KARPENKO, I. - SOPHYS, G. - STEFANIAK, M. - WERNER, K. EPOS 3 and Air Showers. In ULTRA HIGH ENERGY COSMIC RAYS 2018 (UHECR 2018). ISSN 2100-014X, 2019, vol. 210., Registrované v: WOS
21. [1.1] REICHEL, Daniel - RICHARDSON, Peter - SIODMOK, Andrzej. Improving the simulation of quark and gluon jets with Herwig 7. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 876., Registrované v: WOS
22. [1.1] SAPETA, Sebastian. QCD and jets at hadron colliders. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 89, pp. 1-55., Registrované v: WOS
23. [1.1] SIODMOK, Andrzej. QUARK/GLUON JETS DISCRIMINATION AND ITS CONNECTION TO COLOUR RECONNECTION. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 12, pp. 2341-2346., Registrované v: WOS
24. [1.1] STEWART, Iain W. - TACKMANN, Frank J. - WAALEWIJN, Wouter J. Dissecting Soft Radiation with Factorization. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 9, art. no. 092001., Registrované v: WOS
25. [1.1] ZAKHAROV, B. G. Jet quenching in pp and pA collisions. In XITH CONFERENCE ON QUARK CONFINEMENT AND HADRON SPECTRUM. ISSN 0094-243X, 2016, vol. 1701, art. no. 060001., Registrované v: WOS

ADCA574 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of upsilon production in 7 TeV pp collisions at ATLAS. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2013, vol. 87, no. 5, art. no. 052004. (2012: 4.691 - IF, Q1 - JCR, 2.725 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.87.052004>

Ohlasy:

1. [1.1] ABDULOV, N.A. - LIPATOV, A.V. Bottomonia production and polarization in the NRQCD with k(T)-factorization. I: Upsilon(3S) and chi(b)(3P) mesons. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 2019, vol. 79, no. 10., Registrované v: WOS
2. [1.1] ABDULOV, N.A. - LIPATOV, A.V. Bottomonia production and polarization in the NRQCD with kT-factorization. II: T(2S) and xb(2P) mesons. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 30 2020, vol. 80, no. 5., Registrované v: WOS

3. [1.1] ANDRONIC, A. et al. Heavy-flavour and quarkonium production in the LHC era: from proton-proton to heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C. 2016, vol. 76, no. 3, art. no. 107., Registrované v: WOS
4. [1.1] BONDARENKO, K. - BOYARSKY, A. - OVCHYNNIKOV, M. - RUCHAYSKIY, O. Sensitivity of the intensity frontier experiments for neutrino and scalar portals: analytic estimates. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 12 2019, no. 8., Registrované v: WOS
5. [1.1] DU, X. - HE, M. - RAPP, R. Color screening and regeneration of bottomonia in high-energy heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 5, art. no. 054901., Registrované v: WOS
6. [1.1] FACCIOLI, Pietro - LOURENCO, Carlos. The fate of quarkonia in heavy-ion collisions at LHC energies: a unified description of the sequential suppression patterns. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 731., Registrované v: WOS
7. [1.1] FACCIOLI, P. - LOURENCO, C. NRQCD colour-octet expansion vs. LHC quarkonium production: signs of a hierarchy puzzle?. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 30 2019, vol. 79, no. 6., Registrované v: WOS
8. [1.1] FACCIOLI, P. - LOURENCO, C. - MADLENER, T. From prompt to direct J/psi production: new insights on the $\chi(c1)$ and $\chi(c2)$ polarizations and feed-down contributions from a global-fit analysis of mid-rapidity LHC data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 14 2020, vol. 80, no. 7., Registrované v: WOS
9. [1.1] FIORENDI, Sara. B physics and Quarkonia in CMS. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 07005., Registrované v: WOS
10. [1.1] GERSHON, Timothy - NEEDHAM, Matthew. Heavy flavour physics at the LHC. In COMPTES RENDUS PHYSIQUE. ISSN 1631-0705, 2015, vol. 16, no. 4, pp. 435-447., Registrované v: WOS
11. [1.1] GODFREY, Stephen - MOATS, Kenneth. Bottomonium mesons and strategies for their observation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 5, art. no. 054034., Registrované v: WOS
12. [1.1] GRIGORYAN, Smbat. Using the Tsallis distribution for hadron spectra in pp collisions: Pions and quarkonia at $\sqrt{s}=5-13000$ GeV. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 056021., Registrované v: WOS
13. [1.1] HAN, Hao - MA, Yan-Qing - MENG, Ce - SHAO, Hua-Sheng - ZHANG, Yu-Jie - CHAO, Kuang-Ta. Upsilon(nS) and $\chi(b)(nP)$ production at hadron colliders in nonrelativistic QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 014028., Registrované v: WOS
14. [1.1] HU, Z. - LIU, T. - LEONARDO, N. T. - HAYTMYRADOV, M. Review of bottomonium measurements from CMS. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 19-20, art. no. 1730015., Registrované v: WOS
15. [1.1] CHEUNG, V. - VOGT, R. Production and polarization of prompt $\gamma(nS)$ in the improved color evaporation model using the $k(T)$ -factorization approach. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 15 2019, vol. 99, no. 3., Registrované v: WOS

16. [1.1] JIA, S. - ZHOU, X.Y. - SHEN, C.P. Experimental review of the gamma(1S, 2S, 3S) physics at e(+)e(-) colliders and the LHC. In FRONTIERS OF PHYSICS. ISSN 2095-0462, AUG 8 2020, vol. 15, no. 6., Registrované v: WOS
17. [1.1] KARPISHKOV, A. V. - NEFEDOV, M. A. - SALEEV, V. A. - SHIPILOVA, A. V. B-meson production in the Parton Reggeization Approach at Tevatron and the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 4-5, art. no. 1550023., Registrované v: WOS
18. [1.1] KNIEHL, B. A. - NEFEDOV, M. A. - SALEEV, V. A. psi(2S) and Upsilon(3S) hadroproduction in the parton Reggeization approach: Yield, polarization, and the role of fragmentation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 054007., Registrované v: WOS
19. [1.1] KUSINA, A. - LANSBERG, J. P. - SCHIENBEIN, I. - SHAO, H. S. IMPACT OF LHC HEAVY-FLAVOUR DATA ON NUCLEAR GLUON PDF. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2018, vol. 49, no. 6, pp. 1185-1198., Registrované v: WOS
20. [1.1] LANSBERG, Jean-Philippe - SHAO, Hua-Sheng. Double-quarkonium production at a fixed-target experiment at the LHC (AFTER@LHC). In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 900, pp. 273-294., Registrované v: WOS
21. [1.1] LANSBERG, Jean-Philippe - SHAO, Hua-Sheng. Towards an automated tool to evaluate the impact of the nuclear modification of the gluon density on quarkonium, D and B meson production in proton-nucleus collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 77, no. 1, art. no. 1., Registrované v: WOS
22. [1.1] LANSBERG, J.P. New observables in inclusive production of quarkonia. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, DEC 20 2020, vol. 889, p. 1-106., Registrované v: WOS
23. [1.1] LIU, Fu-Hu - WEI, Hua-Rong - LACEY, Roy A. Transverse momentum and pseudorapidity distributions of final-state particles and spatial structure pictures of an interacting system in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 4, art. no. 43., Registrované v: WOS
24. [1.1] MARGONI, Martino. Recent results on flavor physics by CMS. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 285, pp. 139-144., Registrované v: WOS
25. [1.1] MASSACRIER, L. - TRZECIAK, B. - FLEURET, F. - HADJIDAKIS, C. - KIKOLA, D. - LANSBERG, J. P. - SHAO, H.S. Feasibility Studies for Quarkonium Production at a Fixed-Target Experiment Using the LHC Proton and Lead Beams (AFTER@LHC). In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 986348., Registrované v: WOS
26. [1.1] NEFEDOV, M. A. - SALEEV, V. A. Production of psi(2S) and I'(3S) mesons in the parton Reggeization approach: Polarization observables and fragmentation. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, 2017, vol. 48, no. 6, pp. 859-861., Registrované v: WOS
27. [1.1] SEPAHVAND, R. - DADFAR, S. NLO corrections to c- and b-quark fragmentation into j/psi and gamma. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034012., Registrované v: WOS

ADCA575 AABOUD, M. - AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of VH, H - b(b)over-bar production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. In *Journal of High Energy Physics*, 2019, no. 5, art. no. 141. (2018: 5.833 - IF, Q1 - JCR, 1.016 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP05\(2019\)141](https://doi.org/10.1007/JHEP05(2019)141)

Ohlasy:

1. [1.1] BAGLIO, J. - DAWSON, S. - HOMILLER, S. - LANE, S.D. - LEWIS, I.M. Validity of standard model EFT studies of VH and VV production at NLO. In *PHYSICAL REVIEW D*. ISSN 1550-7998, JUN 1 2020, vol. 101, no. 11., Registrované v: WOS

ADCA576 ABELEV, Betty - KALINÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Measurement of visible cross sections in proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV in van der Meer scans with the ALICE detector (ALICE Collaboration). In *Journal of Instrumentation*, 2014, vol. 9, art. no. P11003. (2013: 1.526 - IF, Q2 - JCR, 0.708 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1748-0221. Dostupné na: <https://doi.org/10.1088/1748-0221/9/11/P11003>

Ohlasy:

1. [1.1] ADRIANI, O. - BERTI, E. - BONECHI, L. - BONGI, M. - D'ALESSANDRO, R. - DEL PRETE, M. - HAGUENAUER, M. - ITOW, Y. - IWATA, T. - KASAHARA, K. - KAWADE, K. - MAKINO, Y. - MASUDA, K. - MATSUBAYASHI, E. - MENJO, H. - MITSUKA, G. - MURAKI, Y. - PAPINI, P. - PERROT, A.L. - RICCIARINI, S. - SAKO, T. - SAKURAI, N. - SUZUKI, T. - TAMURA, T. - TIBERIO, A. - TORII, S. - TRICOMI, A. - TURNER, W. C. - UENO, M. - ZHOU, Q. D. Measurements of longitudinal and transverse momentum distributions for neutral pions in the forward-rapidity region with the LHCf detector. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 032007., Registrované v: WOS
2. [1.1] FENG, Jonathan L. - GALON, Iftah - KLING, Felix - TROJANOWSKI, Sebastian. ForwArD Search ExpeRiment at the LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 035001., Registrované v: WOS

ADCA577 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Measurement of W boson angular distributions in events with high transverse momentum jets at $\sqrt{s}=8$ TeV using the ATLAS detector. In *Physics Letters B*, 2017, vol. 765, p. 132-153. (2016: 4.807 - IF, Q1 - JCR, 3.032 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2016.12.005>

Ohlasy:

1. [1.1] ALIOLI, S. - CIRIGLIANO, V. - DEKENS, W. - DE VRIES, J. - MEREGHETTI, E. Right-handed charged currents in the era of the Large Hadron Collider. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2017, no. 5, art. no. 086., Registrované v: WOS

2. [1.1] CHEN, Junmou - HAN, Tao - TWEEDIE, Brock. Electroweak splitting functions and high energy showering. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 11, art. no. 093., Registrované v: WOS
3. [1.1] KLEISS, R. - VERHEYEN, R. Collinear electroweak radiation in antenna parton showers. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 22 2020, vol. 80, no. 10., Registrované v: WOS
4. [1.1] OČALAN, K. Higher-order differential cross section calculation for the associated production of a W boson and jets in the electron decay channel at a center-of-mass energy of 13 TeV in proton-proton collisions. In TURKISH JOURNAL OF PHYSICS. ISSN 1300-0101, 2019, vol. 43, no. 2, p. 156-166., Registrované v: WOS

ADCA578 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of W gamma and Z gamma production cross sections in pp collisions at $\sqrt{s}=7$ TeV and limits on anomalous triple gauge couplings with the ATLAS detector. In *Physics Letters B*, 2012, vol. 717, no. 1-3, p. 49-69. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2012.09.017>

Ohlasy:

1. [1.1] CAMPBELL, John M. - NEUMANN, Tobias - WILLIAMS, Ciaran. Z gamma production at NNLO including anomalous couplings. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 11, art. no. 150., Registrované v: WOS
2. [1.1] DENNER, Ansgar - DITTMAIER, Stefan - HECHT, Markus - PASOLD, Christian. NLO QCD and electroweak corrections to W plus gamma production with leptonic W-boson decays. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 018., Registrované v: WOS
3. [1.1] GRAZZINI, Massimiliano - KALLWEIT, Stefan - RATHLEV, Dirk. W gamma and Z gamma production at the LHC in NNLO QCD. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 7, art. no. 085., Registrované v: WOS
4. [1.1] WIESEMANN, M. - ROTTOLI, L. - TORRIELLI, P. The Z gamma transverse-momentum spectrum at NNLO+(NLL)-L-3. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS
5. [1.1] ZHAO, Sheng-Zhi - ZHANG, Bin. Detecting quark anomalous electroweak couplings at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055037., Registrované v: WOS

ADCA579 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of W +/- Z production cross sections and gauge boson polarisation in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *European Physical Journal C*, 2019, vol. 79, no. 6, art. no. 535. (2018: 4.843 - IF, Q1 - JCR, 1.972 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-019-7027-6>

Ohlasy:

1. [1.1] BAGLIO, J. - DAWSON, S. - HOMILLER, S. QCD corrections in Standard Model EFT fits to WZ and WW production. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 30 2019, vol. 100, no. 11., Registrované v: WOS
2. [1.1] BAGLIO, J. - DAWSON, S. - HOMILLER, S. - LANE, S.D. - LEWIS, I.M. Validity of standard model EFT studies of VH and VV production at NLO. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 1 2020, vol. 101, no. 11., Registrované v: WOS
3. [1.1] BALLESTRERO, A. - MAINA, E. - PELLICCIOLI, G. Different polarization definitions in same-sign WW scattering at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS
4. [1.1] DENNER, A. - PELLICCIOLI, G. Polarized electroweak bosons in W+W- production at the LHC including NLO QCD effects. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 25 2020, no. 9., Registrované v: WOS
5. [1.1] DUTTA, J. - MUKHOPADHYAYA, B. - RAI, S.K. Identifying a Higgsino-like NLSP in the context of a keV-scale gravitino LSP. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 22 2020, vol. 101, no. 7., Registrované v: WOS
6. [1.1] FRANZOSI, D.B. - MATTELAER, O. - RUIZ, R. - SHIL, S. Automated predictions from polarized matrix elements. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 15 2020, no. 4., Registrované v: WOS
7. [1.1] GRAZZINI, M. - KALLWEIT, S. - LINDERT, J.M. - POZZORINI, S. - WIESEMANN, M. NNLO QCD plus NLO EW with MATRIX plus OPENLOOPS: precise predictions for vector-boson pair production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 13 2020, no. 2., Registrované v: WOS
8. [1.1] RAHAMAN, R. - SINGH, R.K. Probing the anomalous triple gauge boson couplings in $e^{+}e^{-} \rightarrow W^{+}W^{-}$ using W polarizations with polarized beams. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 24 2020, vol. 101, no. 7., Registrované v: WOS
9. [1.1] RAHAMAN, R. - SINGH, R.K. Unravelling the anomalous gauge boson couplings in $ZW^{+/-}$ production at the LHC and the role of spin-1 polarizations. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 14 2020, no. 4., Registrované v: WOS

ADCA580 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of $WW/WZ \rightarrow l\nu qq'$ production with the hadronically decaying boson reconstructed as one or two jets in pp collisions at $\sqrt{s}=8$ TeV with ATLAS, and constraints on anomalous gauge couplings. In *European Physical Journal C*, 2017, vol. 77, no. 8, art. no. 563. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-017-5084-2>

Ohlasy:

1. [1.1] AHMADOV, A.I. W Boson Pair Production in Association with the Photon in Proton-Proton Collisions at LHC Energies. In INTERNATIONAL

JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, SEP 2019, vol. 58, no. 9, p. 2770-2794., Registrované v: WOS

2. [1.1] BHATIA, D. - MAITRA, U. - RAYCHAUDHURI, S. Pinning down anomalous WW gamma couplings at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 16 2019, vol. 99, no. 9., Registrované v: WOS

3. [1.1] LIU, D. - WANG, L.T. Probing new physics effects in the precision measurement of the di-boson at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, MAY 20 2019, vol. 34, no. 13-14, SI., Registrované v: WOS

4. [1.1] LIU, D. - WANG, L.T. Prospects for precision measurement of diboson processes in the semileptonic decay channel in future LHC runs. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 5 2019, vol. 99, no. 5., Registrované v: WOS

ADCA581 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Measurement of W-boson polarization in top-quark decay using the full CDF Run II data set. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2013, vol. 87, no. 3, art. no. R031104. (2012: 4.691 - IF, Q1 - JCR, 2.725 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.87.031104>

Ohlasy:

1. [1.1] BOOS, E. E. - BRANDT, O. E. - DENISOV, D. S. - DENISOV, S. P. - GRANNIS, P. D. The top quark (20 years after its discovery). In PHYSICS-USPEKHI. ISSN 1063-7869, 2015, vol. 58, no. 12, pp. 1133-1158., Registrované v: WOS

2. [1.1] DEL DUCA, Vittorio - LAENEN, Eric. Top physics at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 35, art. no. 1530063., Registrované v: WOS

3. [1.1] DENISOV, Dmitri - VELLIDIS, Costas. The TOP QUARK, 20 years after its discovery. In PHYSICS TODAY. ISSN 0031-9228, 2015, vol. 68, no. 4, pp. 46-52., Registrované v: WOS

ADCA582 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABELOOS, B. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of W-+/- and Z-boson production cross sections in pp collisions at root s=13 TeV with the ATLAS detector. In *Physics Letters B*, 2016, vol. 759, p. 601-621. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2016.06.023>

Ohlasy:

1. [1.1] ALEKHIN, S. - BLUEMLEIN, J. - MOCH, S. - PLACAKYTE, R. Parton distribution functions, alpha(s), and heavy-quark masses for LHC Run II. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 014011., Registrované v: WOS

2. [1.1] ALEKHIN, S. - BLUEMLEIN, J. - MOCH, S. Strange sea determination from collider data. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 777, pp. 134-140., Registrované v: WOS

3. [1.1] ALIOLI, S. - CIRIGLIANO, V. - DEKENS, W. - DE VRIES, J. - MEREGHETTI, E. Right-handed charged currents in the era of the Large

- Hadron Collider. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 5, art. no. 086., Registrované v: WOS
4. [1.1] ARBELAEZ, Carolina - DIB, Claudio - SCHMIDT, Ivan - CARLOS VASQUEZ, Juan. Probing the Dirac or Majorana nature of the heavy neutrinos in pure leptonic decays at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055011., Registrované v: WOS
 5. [1.1] BALL, Richard D. - BERTONE, Valerio - CARRAZZA, Stefano - DEL DEBBIO, Luigi - FORTE, Stefano - GROTH-MERRILD, Patrick - GUFFANTI, Alberto - HARTLAND, Nathan P. - KASSABOV, Zahari - LATORRE, Jose I. - NOCERA, Emanuele R. - ROJO, Juan - ROTTOLI, Luca - SLADE, Emma - UBIALI, Maria. Parton distributions from high-precision collider data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 10, art. no. 663., Registrované v: WOS
 6. [1.1] BAUER, Martin - NEUBERT, Matthias - THAMM, Andrea. Collider probes of axion-like particles. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 12, art. no. 044., Registrované v: WOS
 7. [1.1] BONDARENKO, K. - BOYARSKY, A. - OVCHYNNIKOV, M. - RUCHAYSKIY, O. - SHCHUTSKA, L. Probing new physics with displaced vertices: Muon tracker at CMS. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 15 2019, vol. 100, no. 7., Registrované v: WOS
 8. [1.1] BONDARENKO, K. - BOYARSKY, A. - OVCHYNNIKOV, M. - RUCHAYSKIY, O. Sensitivity of the intensity frontier experiments for neutrino and scalar portals: analytic estimates. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 12 2019, no. 8., Registrované v: WOS
 9. [1.1] DE MONCHENAULT, Gautier Hamel. Electroweak Measurements at the LHC. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 67. ISSN 0163-8998, 2017, vol. 67, pp. 19-44., Registrované v: WOS
 10. [1.1] DERCKS, D. - DREINER, H.K. - HIRSCH, M. - WANG, Z.S. Long-lived fermions at AL3X. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 15 2019, vol. 99, no. 5., Registrované v: WOS
 11. [1.1] DIB, Claudio O. - KIM, C. S. - NEILL, Nicolas A. - YUAN, Xing-Bo. Search for sterile neutrinos decaying into pions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 035022., Registrované v: WOS
 12. [1.1] DUHR, C. - DULAT, F. - MISTLBERGER, B. Charged current Drell-Yan production at (NLO)-L-3. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 25 2020, no. 11., Registrované v: WOS
 13. [1.1] D'ENTERRIA, D. - POLDARU, A. Extraction of the strong coupling $\alpha(s)(m(Z))$ from a combined NNLO analysis of inclusive electroweak boson cross sections at hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 1 2020, no. 6., Registrované v: WOS
 14. [1.1] ELVIRA, V.D. Impact of detector simulation in particle physics collider experiments - highlights. In 23RD INTERNATIONAL CONFERENCE ON COMPUTING IN HIGH ENERGY AND NUCLEAR PHYSICS (CHEP 2018). ISSN 2100-014X, 2019, vol. 214., Registrované v: WOS
 15. [1.1] FABBRICHESI, M. - GABRIELLI, E. - MELE, B. Z Boson Decay into Light and Darkness. In PHYSICAL REVIEW LETTERS. ISSN

- 0031-9007, 2018, vol. 120, no. 17, art. no. 171803., Registrované v: WOS
16. [1.1] FARINA, Marco - PANICO, Giuliano - PAPPADOPULO, Duccio - RUDERMAN, Joshua T. - TORRE, Riccardo - WULZER, Andrea. Energy helps accuracy: Electroweak precision tests at hadron colliders. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 772, pp. 210-215., Registrované v: WOS
17. [1.1] FORTE, Stefano - NAPOLETANO, Davide - UBIALI, Maria. Z boson production in bottom-quark fusion: a study of b-mass effects beyond leading order. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 11, art. no. 932., Registrované v: WOS
18. [1.1] HELO, Juan Carlos - HIRSCH, Martin - WANG, Zeren Simon. Heavy neutral fermions at the high-luminosity LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 056., Registrované v: WOS
19. [1.1] ISMAIL, Ahmed - KATZ, Andrey. Anomalous Z' and diboson resonances at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 4, art. no. 122., Registrované v: WOS
20. [1.1] KANG, Sin Kyu - QIAN, Zhuoni - SONG, Jeonghyeon - YOON, Yeo Woong. Confronting the fourth generation two-Higgs-doublet model with the phenomenology of heavy Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095025., Registrované v: WOS
21. [1.1] KATSI, Yevgeny. Measuring c-quark polarization in W plus c samples at ATLAS and CMS. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, vol., no. 11, art. no. 011., Registrované v: WOS
22. [1.1] MASSIRONI, A. Is Nature Standard like the Model? Experimental results on Standard Model and Higgs boson physics. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2018, vol. 41, no. 1-2, art. no. 19., Registrované v: WOS
23. [1.1] MELNIKOV, K. - RIETKERK, R. - TANCREDI, L. - WEVER, C. Triple-real contribution to the quark beam function in QCD at next-to-next-to-next-to-leading order. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 10 2019, no. 6., Registrované v: WOS
24. [1.1] NOCERA, E.R. - UBIALI, M. - VOISEY, C. Single top production in PDF fits. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 14 2020, no. 5., Registrované v: WOS
25. [1.1] OGUL, Hasan. Z Boson Production in pp Collisions in the Range of the Center-of-Mass Energy from 7 to 100 TeV. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2018, vol. 73, no. 3, pp. 259-264., Registrované v: WOS

ADCA583 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABED ABUD, A. - ABELING, K. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of W-+/- boson production in Pb plus Pb collisions at root s(NN)=5.02 TeV with the ATLAS detector. In *European Physical Journal C*, 2019, vol. 79, no. 11, art. no. 935. (2018: 4.843 - IF, Q1 - JCR, 1.972 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-019-7439-3>

Ohlasy:

1. [1.1] ESKOLA, K.J. - HELENIOUS, I. - KUHA, M. - PAUKKUNEN,

H. Shadowing in Inelastic Nucleon-Nucleon Cross Section?. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, NOV 18 2020, vol. 125, no. 21., Registrované v: WOS

ADCA584 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - ABED ABUD, A. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of W-+/-b-boson and Z-boson production cross-sections in pp collisions at $\sqrt{s}=2.76$ TeV with the ATLAS detector. In *European Physical Journal C*, 2019, vol. 79, no. 11, art. no. 901. (2018: 4.843 - IF, Q1 - JCR, 1.972 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-019-7399-7>

Ohlasy:

1. [1.1] CRIVELLIN, A. - MULLER, D. - SATURNINO, F. Leptoquarks in oblique corrections and Higgs signal strength: status and prospects. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 18 2020, no. 11., Registrované v: WOS
2. [1.1] D'ENTERRIA, D. - POLDARU, A. Extraction of the strong coupling $\alpha_s(m_Z)$ from a combined NNLO analysis of inclusive electroweak boson cross sections at hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 1 2020, no. 6., Registrované v: WOS

ADCA585 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of W(+/-)Z production in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *European Physical Journal C*, 2012, vol. 72, no. 10, art. no. 2173. (2011: 3.631 - IF, Q2 - JCR, 2.962 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1434-6044.

Ohlasy:

1. [1.1] DWIVEDI, Siddharth - GHOSH, Dilip Kumar - MUKHOPADHYAYA, Biswarup - SHIVAJI, Ambresh. Constraints on CP-violating gauge-Higgs operators. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095015., Registrované v: WOS
2. [1.1] FUKS, Benjamin - RICHARDSON, Peter - WILCOCK, Alexandra. Studying the sensitivity of monotop probes to compressed supersymmetric scenarios at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 7, art. no. 308., Registrované v: WOS

ADCA586 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurement of W+W- production in association with one jet in proton-proton collisions at $\sqrt{s}=8$ TeV with the Atlas detector. In *Physics Letters B*, 2016, vol. 763, p. 114-133. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2016.10.014>

Ohlasy:

1. [1.1] ARPINO, L. - BANFI, A. - JAGER, S. - KAUER, N. BSM WW production with a jet veto. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 13 2019, no. 8., Registrované v: WOS

2. [1.1] BRAUER, S. - DENNER, A. - PELLEN, M. - SCHONHERR, M. - SCHUMANN, S. Fixed-order and merged parton-shower predictions for WW and WWj production at the LHC including NLO QCD and EW corrections. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 26 2020, no. 10., Registrované v: WOS
3. [1.1] FERREIRA, Felipe - FUKS, Benjamin - SANZ, Veronica - SENGUPTA, Dipan. Probing CP-violating Higgs and gauge-boson couplings in the Standard Model effective field theory. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 10, art. no. 675., Registrované v: WOS
4. [1.1] GRAZZINI, Massimiliano - KALLWEIT, Stefan - WIESEMANN, Marius. Fully differential NNLO computations with MATRIX. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 7, art. no. 537., Registrované v: WOS

ADCA587 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of W+W- production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector and limits on anomalous WWZ and WW gamma couplings. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2013, vol. 87, no. 11, art. no. 112001. (2012: 4.691 - IF, Q1 - JCR, 2.725 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.87.112001>

Ohlasy:

1. [1.1] AEBISCHER, Jason - CRIVELLIN, Andreas - GREUB, Christoph. One-loop SQCD corrections to the decay of top squarks to charm and neutralino in the generic MSSM. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 035010., Registrované v: WOS
2. [1.1] AHMADOV, A.I. W Boson Pair Production in Association with the Photon in Proton-Proton Collisions at LHC Energies. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, SEP 2019, vol. 58, no. 9, p. 2770-2794., Registrované v: WOS
3. [1.1] ARBUZOV, Boris A. - ZAITSEV, Ivan V. ATLAS diboson excesses as an evidence for a heavy WW resonance with the weak isospin 2. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 36, art. no. 1550221., Registrované v: WOS
4. [1.1] BECHER, Thomas - FREDERIX, Rikkert - NEUBERT, Matthias - ROTHEN, Lorena. Automated NNLL plus NLO resummation for jet-veto cross sections. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 4, art. no. 154., Registrované v: WOS
5. [1.1] BOBOVNIKOV, I. D. - OSLAND, P. - PANKOV, A. A. Improved constraints on the mixing and mass of Z' bosons from resonant diboson searches at the LHC at $\sqrt{s}=13$ TeV and predictions for Run II. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095029., Registrované v: WOS
6. [1.1] BOUGHEZAL, Radja - FOCKE, Christfried - LIU, Xiaohui. Jet vetoes versus giant K factors in the exclusive Z+1-jet cross section. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 094002., Registrované v: WOS
7. [1.1] CAMPBELL, John M. - MILLER, David J. - ROBENS, Tania.

- Next-to-leading order predictions for WW plus jet production. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 014033., Registrované v: WOS
8. [1.1] CAOLA, Fabrizio - MELNIKOV, Kirill - ROENTSCH, Raoul - TANCREDI, Lorenzo. QCD corrections to ZZ production in gluon fusion at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 094028., Registrované v: WOS
 9. [1.1] CAOLA, Fabrizio - MELNIKOV, Kirill - ROENTSCH, Raoul - TANCREDI, Lorenzo. QCD corrections to W+W- production through gluon fusion. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 754, pp. 275-280., Registrované v: WOS
 10. [1.1] CORDERO, F. Febres - HOFMANN, P. - ITA, H. W+W-+3-jet production at the Large Hadron Collider in next-to-leading-order QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034006., Registrované v: WOS
 11. [1.1] DAHIYA, Mamta - DUTTA, Sukanta - ISLAM, Rashidul. Investigating perturbative unitarity in the presence of anomalous couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055013., Registrované v: WOS
 12. [1.1] DARVISHI, N. - MASOUMINIA, M.R. - OSTROLENK, K. k(t) factorization versus collinear factorization in W+ W- pair production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 13 2020, vol. 101, no. 1., Registrované v: WOS
 13. [1.1] DAWSON, S. - JAISWAL, P. - LI, Ye - RAMANI, Harikrishnan - ZENG, Mao. Resummation of jet veto logarithms at (NLLa)-L-3 + NNLO for W+W- production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 114014., Registrované v: WOS
 14. [1.1] DWIVEDI, Siddharth - GHOSH, Dilip Kumar - MUKHOPADHYAYA, Biswarup - SHIVAJI, Ambresh. Constraints on CP-violating gauge-Higgs operators. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095015., Registrované v: WOS
 15. [1.1] FREITAS, A. Understanding electroweak physics in the Standard Model and beyond. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 21-28., Registrované v: WOS
 16. [1.1] GRAZZINI, M. - KALLWEIT, S. - WIESEMANN, M. - YOOK, J.Y. W+W- production at the LHC: NLO QCD corrections to the loop-induced gluon fusion channel. In PHYSICS LETTERS B. ISSN 0370-2693, MAY 10 2020, vol. 804., Registrované v: WOS
 17. [1.1] IZAGUIRRE, Eder - SHUVE, Brian - YAVIN, Itay. Improving Identification of Dijet Resonances at Hadron Colliders. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 4, art. no. 041802., Registrované v: WOS
 18. [1.1] JAISWAL, Prerit - MEADE, Patrick - RAMANI, Harikrishnan. Precision diboson measurements and the interplay of p(T) and jet-veto resummations. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 093007., Registrované v: WOS
 19. [1.1] KALLWEIT, S. - RE, E. - ROTTOLI, L. - WIESEMANN, M. Accurate single- and double-differential resummation of colour-singlet processes with MATRIX plus RADISH: W+W- production at the LHC. In JOURNAL OF

HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 22 2020, no. 12.,

Registrované v: WOS

20. [1.1] LUISONI, Gionata - MARZANI, Simone. QCD resummation for hadronic final states. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 10, art. no. 103101., Registrované v: WOS

21. [1.1] MELNIKOV, Kirill - DOWLING, Matthew. Production of two Z-bosons in gluon fusion in the heavy top quark approximation. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 744, pp. 43-47., Registrované v: WOS

22. [1.1] OSLAND, P. - PANKOV, A. A. - TSYTRINOV, A. V. Probing $Z Z'$ mixing with ATLAS and CMS resonant diboson production data at the LHC at $\sqrt{s}=13$ TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 055040., Registrované v: WOS

23. [1.1] RAHAMAN, R. - SINGH, R.K. Probing the anomalous triple gauge boson couplings in $e(+)e(-) \rightarrow W+W-$ using W polarizations with polarized beams. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 24 2020, vol. 101, no. 7., Registrované v: WOS

24. [1.1] ROLBIECKI, Krzysztof - TATTERSALL, Jamie. Refining light stop exclusion limits with $W+W-$ cross sections. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 750, pp. 247-251., Registrované v: WOS

25. [1.1] YAP, Y.C. Recent observation and measurements of diboson processes from the ATLAS experiment. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, SEP 14 2020, vol. 35, no. 28., Registrované v: WOS

ADCA588 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCÉI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of Z Boson Production in Pb-Pb Collisions at $\sqrt{s(NN)}=2.76$ TeV with the ATLAS Detector. In *Physical Review Letters*, 2013, vol. 110, no. 2, art. no. 022301. (2012: 7.943 - IF, Q1 - JCR, 6.292 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.110.022301>

Ohlasy:

1. [1.1] ALEKHIN, S. I. - KULAGIN, S. A. - PETTI, R. Nuclear effects in the deuteron and constraints on the d/u ratio. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 054005., Registrované v: WOS

2. [1.1] ANDRONIC, A. et al. Heavy-flavour and quarkonium production in the LHC era: from proton-proton to heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C. 2016, vol. 76, no. 3, art. no. 107., Registrované v: WOS

3. [1.1] ARMESTO, Nestor - SCOMPARIN, Enrico. Heavy-ion collisions at the Large Hadron Collider: A review of the results from Run 1. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2016, vol. 131, no. 3, art. no. 52., Registrované v: WOS

4. [1.1] BUSZA, Wit - RAJAGOPAL, Krishna - VAN DER SCHEE, Wilke. Heavy Ion Collisions: The Big Picture and the Big Questions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 68. ISSN 0163-8998, 2018, vol. 68, pp. 339-376., Registrované v: WOS

5. [1.1] BYUN, Jung S. - PARK, Samson - CABAN, Ambar - JONES, Alana - GARDNER, Kevin. Linking Race, Cancer Outcomes, and Tissue Repair. In AMERICAN JOURNAL OF PATHOLOGY. ISSN 0002-9440, 2018, vol.

- 188, no. 2, pp. 317-328., Registrované v: WOS
6. [1.1] D'ENTERRIA, David - KRAJCZAR, Krisztian - PAUKKUNEN, Hannu. Top-quark production in proton-nucleus and nucleus-nucleus collisions at LHC energies and beyond. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 746, pp. 64-72., Registrované v: WOS
7. [1.1] ELAYAVALLI, Raghav Kunnawalkam - ZAPP, Korinna Christine. Simulating V plus jet processes in heavy ion collisions with JEWEL. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 12, art. no. 695., Registrované v: WOS
8. [1.1] ESKOLA, K.J. - HELENIUS, I. - KUHA, M. - PAUKKUNEN, H. Shadowing in Inelastic Nucleon-Nucleon Cross Section?. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, NOV 18 2020, vol. 125, no. 21., Registrované v: WOS
9. [1.1] KANG, Zhong-Bo - VITEV, Ivan - XING, Hongxi. Vector-boson-tagged jet production in heavy ion collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 1, art. no. 014912., Registrované v: WOS
10. [1.1] PASECHNIK, Roman - SUMBERA, Michal. Phenomenological Review on Quark-Gluon Plasma: Concepts vs. Observations. In UNIVERSE. ISSN 2218-1997, 2017, vol. 3, no. 1, art. no. UNSP 7., Registrované v: WOS
11. [1.1] RU, Peng - ZHANG, Ben-Wei - WANG, Enke - ZHANG, Wei-Ning. Probing shadowed nuclear sea with massive gauge bosons in the future heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 426., Registrované v: WOS
12. [1.1] RU, Peng - ZHANG, Ben-Wei - CHENG, Luan - WANG, Enke - ZHANG, Wei-Ning. Production of Z(0) and W+/W- in relativistic heavy-ion collisions at the LHC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 8, art. no. 085104., Registrované v: WOS
13. [1.1] SAKAGUCHI, Takao. Photon and dilepton production in high-energy heavy-ion collisions. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2015, vol. 84, no. 5, pp. 845-859., Registrované v: WOS
14. [1.1] SENOSI, Kgotlaesele Johnson. Open heavy-flavour and electroweak boson measurements via the (di-)muonic decay channel with ALICE at the LHC. In WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS (HOT QUARKS 2016). ISSN 1742-6588, 2017, vol. 832, art. no. UNSP 012033., Registrované v: WOS
15. [1.1] STOCCO, Diego. Electroweak boson production in p-Pb and P-bPb collisions at root S-NN=5.02 TeV with ALICE. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 309-312., Registrované v: WOS

ADCA589 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Measurement of ZZ Production in Leptonic Final States at root s of 1.96 TeV at CDF. In *Physical Review Letters*, 2012, vol. 108, no. 10, art. no. 101801. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.108.101801>

Ohlasy:

1. [1.1] ANASTASIOU, Charalampos - CANCINO, Julian - CHAVEZ,

Federico - DUHR, Claude - LAZOPOULOS, Achilleas - MISTLBERGER, Bernhard - MUELLER, Romain. NNLO QCD corrections to $pp \rightarrow \gamma^* \gamma^*$ in the large N-F limit. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 2, art. no. 182., Registrované v: WOS

2. [1.1] GRAZZINI, Massimiliano - KALLWEIT, Stefan - RATHLEV, Dirk. ZZ production at the LHC: Fiducial cross sections and distributions in NNLO QCD. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 750, pp. 407-410., Registrované v: WOS

3. [1.1] GRAZZINI, Massimiliano - KALLWEIT, Stefan - RATHLEV, Dirk - WIESEMANN, Marius. Transverse-momentum resummation for vector-boson pair production at NNLL plus NNLO. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 8, art. no. 154., Registrované v: WOS

ADCA590 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of ZZ production in pp collisions at $\sqrt{s}=7$ TeV and limits on anomalous ZZZ and ZZ gamma couplings with the ATLAS detector. In *Journal of High Energy Physics*, 2013, vol. 2013, no. 3, art. no. 128. (2012: 5.618 - IF, 1.475 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP03\(2013\)128](https://doi.org/10.1007/JHEP03(2013)128)

Ohlasy:

1. [1.1] ALIOLI, Simone - CAOLA, Fabrizio - LUISONI, Gionata - ROENTSCH, Raoul. ZZ production in gluon fusion at NLO matched to parton shower. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034042., Registrované v: WOS
2. [1.1] ALVES, Alexandre - SINHA, Kuver. Searches for dark matter at the LHC: A multivariate analysis in the mono-Z channel. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 115013., Registrované v: WOS
3. [1.1] ALVES, Alexandre - SANTOS, A. C. O. - SINHA, Kuver. Collider detection of dark matter electromagnetic anapole moments. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055023., Registrované v: WOS
4. [1.1] ARHRIB, A. - BENBRIK, R. - EL FALAKI, J. - SAMPAIO, M. - SANTOS, R. Pseudoscalar decays to gauge bosons at the LHC and at a future 100 TeV collider. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 27 2019, vol. 99, no. 3., Registrované v: WOS
5. [1.1] KALLWEIT, Stefan - WIESEMANN, Marius. ZZ production at the LHC: NNLO predictions for $2l2\nu$ and $4l$ signatures. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 786, pp. 382-389., Registrované v: WOS
6. [1.1] RAJARAMAN, A. - SMOLINSKY, J. SELF-INTERACTING DARK MATTER WITH A NEUTRINOPHILIC SCALAR MEDIATOR. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2020, vol. 51, no. 9, p. 1827-1839., Registrované v: WOS

ADCA591 ACHARYA, S. - ADAMOVÁ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Measurement of Z(0)-boson production at large rapidities in Pb-Pb collisions at $\sqrt{s(NN)}=5.02$ TeV. In *Physics Letters B*, 2018, vol. 780, p. 372-383.

(2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.03.010>

Ohlasy:

1. [1.1] ESKOLA, K.J. - HELENIUS, I. - KUHA, M. - PAUKKUNEN, H. Shadowing in Inelastic Nucleon-Nucleon Cross Section?. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, NOV 18 2020, vol. 125, no. 21., Registrované v: WOS
2. [1.1] PAUKKUNEN, H. - ZURITA, P. Can we fit nuclear PDFs with the high-x CLAS data?. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 8 2020, vol. 80, no. 5., Registrované v: WOS

ADCA592 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurement of $(W^{+/-})W^{+/-}$ vector-boson scattering and limits on anomalous quartic gauge couplings with the ATLAS detector. In *Physical Review D*, 2017, vol. 96, no. 1, art. no. 012007. (2016: 4.557 - IF, Q1 - JCR, 2.115 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.96.012007>

Ohlasy:

1. [1.1] ALMEIDA, E.D. - EBOLI, O.J.P. - GONZALEZ-GARCIA, M.C. Unitarity constraints on anomalous quartic couplings. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 26 2020, vol. 101, no. 11., Registrované v: WOS
2. [1.1] ARGANDA, E. - GARCIA-GARCIA, C. - HERRERO, M.J. Probing the Higgs self-coupling through double Higgs production in vector boson scattering at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, AUG 2019, vol. 945., Registrované v: WOS
3. [1.1] DEBNATH, Dipsikha - KIM, Doojin - KIM, Jeong Han - KONG, Kyoungchul - MATCHEV, Konstantin T. Resolving combinatorial ambiguities in dilepton $t(\bar{t})$ event topologies with constrained M-2 variables. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, pp., Registrované v: WOS
4. [1.1] DENNER, A. - FRANKEN, R. - PELLE, M. - SCHMIDT, T. NLO QCD and EW corrections to vector-boson scattering into ZZ at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 20 2020, no. 11., Registrované v: WOS
5. [1.1] CHIESA, M. - DENNER, A. - LANG, J.N. - PELLE, M. An event generator for same-sign W-boson scattering at the LHC including electroweak corrections. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 2019, vol. 79, no. 9., Registrované v: WOS
6. [1.1] KOZOW, P. - MERLO, L. - POKORSKI, S. - SZLEPER, M. Same-sign WW scattering in the HEFT: discoverability vs. EFT validity. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 4 2019, no. 7., Registrované v: WOS
7. [1.1] PEREZ, Genessis - SEKULLA, Marco - ZEPPEFELD, Dieter. Anomalous quartic gauge couplings and unitarization for the vector boson scattering process $pp \rightarrow W^+W^+ jj X \rightarrow l^{(+)}\nu(l)l^{(+)}\nu(l) jj X$. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, pp., Registrované v: WOS

8. [1.1] ZHANG, C. - ZHOU, S.Y. Positivity bounds on vector boson scattering at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 4 2019, vol. 100, no. 9., Registrované v: WOS

ADCA593 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement with the ATLAS detector of multi-particle azimuthal correlations in p plus Pb collisions at root s(NN)=5.02 TeV. In *Physics Letters B*, 2013, vol. 725, no. 1-3, p. 60-78. (2012: 4.569 - IF, Q1 - JCR, 3.353 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2013.06.057>

Ohlasy:

1. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS

2. [1.1] BELMONT, R. PHENIX results on multiparticle correlations in small systems. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 341-344., Registrované v: WOS

3. [1.1] BHALERAO, R.S. - GIACALONE, G. - OLLITRAULT, J.Y. Kurtosis of elliptic flow fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 30 2019, vol. 99, no. 1., Registrované v: WOS

4. [1.1] BOER, Daniel - VAN DAAL, Tom - MULDER, Piet J. - PETRESKA, Elena. Directed flow from C-odd gluon correlations at small x. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 140., Registrované v: WOS

5. [1.1] BOZEK, Piotr. Small systems hydrodynamics. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 208-215., Registrované v: WOS

6. [1.1] BRAUN-MUNZINGER, Peter - KOCH, Volker - SCHAEFER, Thomas - STACHEL, Johanna. Properties of hot and dense matter from relativistic heavy ion collisions. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2016, vol. 621, pp. 76-126., Registrované v: WOS

7. [1.1] BURKA, K. MEASUREMENTS OF FOURIER HARMONICS OF AZIMUTHAL ANISOTROPY IN Pb plus Pb AND Xe plus Xe COLLISIONS. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, p. 253-259., Registrované v: WOS

8. [1.1] CSORGO, Tamas - KASZA, Gabor - CSANAD, Mate - JIANG, Zefang. New Exact Solutions of Relativistic Hydrodynamics for Longitudinally Expanding Fireballs. In UNIVERSE. ISSN 2218-1997, 2018, vol. 4, no. 6, art. no. 69., Registrované v: WOS

9. [1.1] DI FRANCESCO, Philippe - GUILBAUD, Maxime - LUZUM, Matthew - OLLITRAULT, Jean-Yves. Systematic procedure for analyzing cumulants at any order. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 4, art. no. 044911., Registrované v: WOS

10. [1.1] DIENES, Keith R. - SU, Shufang - THOMAS, Brooks. Beyond the Bump-Hunt: A Game Plan for Discovering Dynamical Dark Matter at the LHC. In CETUP 2015 WORKSHOP ON DARK MATTER, NEUTRINO

PHYSICS AND ASTROPHYSICS & PPC 2015 IXTH INTERNATIONAL CONFERENCE ON INTERCONNECTIONS BETWEEN PARTICLE PHYSICS AND COSMOLOGY. ISSN 0094-243X, 2016, vol. 1743, art. no. 020013., Registrované v: WOS

11. [1.1] DURAES, F. O. - GIANNINI, A. V. - GONCALVES, V. P. - NAVARRA, F. S. Rapidity dependence of the average transverse momentum in hadronic collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024917., Registrované v: WOS

12. [1.1] DUSLING, Kevin - LI, Wei - SCHENKE, Bjoern. Novel collective phenomena in high-energy proton-proton and proton-nucleus collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 1, art. no. 1630002., Registrované v: WOS

13. [1.1] DUSLING, Kevin - MACE, Mark - VENUGOPALAN, Raju. Parton model description of multiparticle azimuthal correlations in pA collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 016014., Registrované v: WOS

14. [1.1] DUSLING, Kevin - MACE, Mark - VENUGOPALAN, Raju. Multiparticle Collectivity from Initial State Correlations in High Energy Proton-Nucleus Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 4, art. no. 042002., Registrované v: WOS

15. [1.1] FUJII, Hirotugu - WATANABE, Kazuhiro. Leptons from heavy-quark semileptonic decay in pA collisions within the GC framework. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 951, pp. 45-59., Registrované v: WOS

16. [1.1] GAJDOGOVA, Katarina. Investigations of anisotropic collectivity using multi-particle correlations in pp, p-Pb and Pb-Pb collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 437-440., Registrované v: WOS

17. [1.1] GAVIN, Sean - MOSCHELLI, George - ZIN, Christopher. Rapidity correlation structure in nuclear collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024921., Registrované v: WOS

18. [1.1] GAVIN, Sean - MOSCHELLI, George - ZIN, Christopher. Boltzmann-Langevin approach to pre-equilibrium correlations in nuclear collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 064901., Registrované v: WOS

19. [1.1] GIACALONE, Giuliano - NORONHA-HOSTLER, Jacquelyn - OLLITRAULT, Jean-Yves. Relative flow fluctuations as a probe of initial state fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 5, art. no. 054910., Registrované v: WOS

20. [1.1] GIACALONE, Giuliano - NORONHA-HOSTLER, Jacquelyn - LUZUM, Matthew - OLLITRAULT, Jean-Yves. Hydrodynamic predictions for 5.44 TeV Xe+Xe collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034904., Registrované v: WOS

21. [1.1] GIACALONE, G. - SCHENKE, B. - SHEN, C. Observable Signatures of Initial State Momentum Anisotropies in Nuclear Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, NOV 5 2020, vol. 125, no. 19., Registrované v: WOS

22. [1.1] GOTSMAN, E. - LEVIN, E. Azimuthal angle correlations at large rapidities: revisiting density variation mechanism. In EUROPEAN

- PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 11, art. no. 773.,
Registrované v: WOS
23. [1.1] GOTSMAN, E. - LEVIN, E. Bose-Einstein correlations in perturbative QCD: $v(n)$ dependence on multiplicity. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074011., Registrované v: WOS
24. [1.1] GOTSMAN, E. - LEVIN, E. - POTASHNIKOVA, I. A CGC/saturation approach for angular correlations in proton-proton scattering. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 632., Registrované v: WOS
25. [1.1] GOTSMAN, E. - LEVIN, E. Perturbative QCD and beyond: Azimuthal angle correlations in deuteron-deuteron scattering from Bose-Einstein correlations. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 014034., Registrované v: WOS
26. [1.1] GOTSMAN, E. - LEVIN, E. CGC/saturation approach: re-visiting the problem of odd harmonics in angular correlations. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 792., Registrované v: WOS
27. [1.1] GRONQVIST, Hanna - BLAIZOT, Jean-Paul - OLLITRAULT, Jean-Yves. Non-Gaussian eccentricity fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 3, art. no. 034905., Registrované v: WOS
28. [1.1] HUANG, S. Measurements of elliptic and triangular flow in high-multiplicity He-3+Au collisions at root $s(NN)=200$ GeV. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 761-764., Registrované v: WOS
29. [1.1] IANCU, Edmond - REZAEIAN, Amir H. Elliptic flow from color-dipole orientation in pp and pA collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 094003., Registrované v: WOS
30. [1.1] KANAKUBO, Y. - TACHIBANA, Y. - HIRANO, T. Unified description of hadron yield ratios from dynamical core-corona initialization. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 24 2020, vol. 101, no. 2., Registrované v: WOS
31. [1.1] KATZ, R. - PRADO, C.A.G. - NORONHA-HOSTLER, J. - SUAIDE, A.A.P. System-size scan of D meson R-AA and $v(n)$ using PbPb, XeXe, ArAr, and OO collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, OCT 1 2020, vol. 102, no. 4., Registrované v: WOS
32. [1.1] KE, Weiyao - MORELAND, J. Scott - BERNHARD, Jonah E. - BASS, Steffen A. Constraints on rapidity-dependent initial conditions from charged-particle pseudorapidity densities and two-particle correlations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 4, art. no. 044912., Registrované v: WOS
33. [1.1] KOVNER, Alex - LUBLINSKY, Michael - SKOKOV, Vladimir. Exploring correlations in the CGC wave function: Odd azimuthal anisotropy. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 016010., Registrované v: WOS
34. [1.1] KOVNER, Alex - REZAEIAN, Amir H. Double parton scattering in the color glass condensate: Hanbury-Brown-Twiss correlations in double inclusive photon production. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 114028., Registrované v: WOS
35. [1.1] KOVNER, Alex - REZAEIAN, Amir H. Multiquark production

- in p plus A collisions: Quantum interference effects. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 074008., Registrované v: WOS
36. [1.1] KOVNER, Alex - SKOKOV, Vladimir V. Does shape matter? $v(2)$ vs eccentricity in small x gluon production. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 785, pp. 372-380., Registrované v: WOS
37. [1.1] LOIZIDES, Constantin. Experimental overview on small collision systems at the LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 200-207., Registrované v: WOS
38. [1.1] NAGLE, James L. - ZAJC, William A. Small System Collectivity in Relativistic Hadronic and Nuclear Collisions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 68. ISSN 0163-8998, 2018, vol. 68, pp. 211-235., Registrované v: WOS
39. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS
40. [1.1] OHLSON, Alice. Correlations, multiplicity distributions, and the ridge in pp and p-Pb collisions. In XLVI INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2016). ISSN 2100-014X, 2017, vol. 141, art. no. UNSP 01006., Registrované v: WOS
41. [1.1] PARK, Chanwook - SHEN, Chun - JEON, Sangyong - GALE, Charles. Rapidity-dependent jet energy loss in small systems with finite-size effects, and running coupling. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 289-292., Registrované v: WOS
42. [1.1] PASECHNIK, Roman - SUMBERA, Michal. Phenomenological Review on Quark-Gluon Plasma: Concepts vs. Observations. In UNIVERSE. ISSN 2218-1997, 2017, vol. 3, no. 1, art. no. UNSP 7., Registrované v: WOS
43. [1.1] PETROVICI, M. - LINDNER, A. - POP, A. - TARZILA, M. - BERCEANU, I. Geometrical scaling for energies available at the BNL Relativistic Heavy Ion Collider to those at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 024904., Registrované v: WOS
44. [1.1] POP, V. Topor - PETROVICI, M. Multiplicity-dependent $p(T)$ distributions of identified particles in pp collisions at 7 TeV within the HIJING/B(B)over-bar v2.0 model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 6, art. no. 064903., Registrované v: WOS
45. [1.1] PREGHENELLA, Roberto. Small systems at the LHC. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 11003., Registrované v: WOS
46. [1.1] SHEN, Chun - PAQUET, Jean-Francois - DENICOL, Gabriel S. - JEON, Sangyong - GALE, Charles. Electromagnetic radiation and collectivity in small quark-gluon droplets. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 161-164., Registrované v: WOS
47. [1.1] SHEN, Chun - PAQUET, Jean-Francois - DENICOL, Gabriel S. - JEON, Sangyong - GALE, Charles. Collectivity and electromagnetic radiation in small systems. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 1, art. no. 014906., Registrované v: WOS

48. [1.1] SCHENKE, B. - SHEN, C. - TRIBEDY, P. Running the gamut of high energy nuclear collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, OCT 15 2020, vol. 102, no. 4., Registrované v: WOS
49. [1.1] SCHLICHTING, Soren. Initial state and pre-equilibrium effects in small systems. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 216-221., Registrované v: WOS
50. [1.1] SIEVERT, M. - NORONHA-HOSTLER, J. CERN Large Hadron Collider system size scan predictions for PbPb, XeXe, ArAr, and OO with relativistic hydrodynamics. In PHYSICAL REVIEW C. ISSN 2469-9985, AUG 2 2019, vol. 100, no. 2., Registrované v: WOS
51. [1.1] WERNER, K. - GUIOT, B. - KARPENKO, I. - PIEROG, T. - SOPHYS, G. - STEFANIAK, M. EPOS. In XX INTERNATIONAL SYMPOSIUM ON VERY HIGH ENERGY COSMIC RAY INTERACTIONS (ISVHECRI 2018). ISSN 2100-014X, 2019, vol. 208., Registrované v: WOS
52. [1.1] ZAJC, W. A. The Way Forward Closing Remarks at Quark Matter 2017. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 265-272., Registrované v: WOS
53. [1.1] ZHENG, Liang - ZHOU, Dai-Mei - YIN, Zhong-Bao - YAN, Yu-Liang - CHEN, Gang - CAI, Xu - SA, Ben-Hao. Effect of single string structure and multiple string interaction on strange particle production in pp collisions at root s=7 TeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034917., Registrované v: WOS

ADCA594 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurements of b-jet tagging efficiency with the ATLAS detector using t(t)over-bar events at root s=13 TeV. In *Journal of High Energy Physics*, 2018, no. 8, art. no. 089. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP08\(2018\)089](https://doi.org/10.1007/JHEP08(2018)089)

Ohlasy:

1. [1.1] ALONSO, Rodrigo - CARMONA, Adrian - DILLON, Barry M. - KAMENIK, Jernej F. - MARTIN CAMALICH, Jorge - ZUPAN, Jure. A clockwork solution to the flavor puzzle. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 099., Registrované v: WOS
2. [1.1] CACCIAPAGLIA, Giacomo - DEANDREA, Aldo - GAUR, Naveen - HARADA, Daisuke - OKADA, Yasuhiro - PANIZZI, Luca. The LHC potential of vector-like quark doublets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 055., Registrované v: WOS
3. [1.1] DI LUZIO, Luca - FUENTES-MARTIN, Javier - GRELJO, Admir - NARDECCHIA, Marco - RENNER, Sophie. Maximal flavour violation: a Cabibbo mechanism for leptoquarks. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 081., Registrované v: WOS
4. [1.1] GODBOLE, R. - GUCHAIT, M. - KHOSA, C.K. - LAHIRI, J. - SHARMA, S. - VIJAY, A.H. Boosted top quark polarization. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 16 2019, vol. 100, no. 5., Registrované v: WOS
5. [1.1] ZIDI, Mohamed Sadek. NLO QCD corrections to single vector-like top partner production in association with top quark at the LHC. In

ADCA595 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Measurements of electroweak $W j j$ production and constraints on anomalous gauge couplings with the ATLAS detector. In *European Physical Journal C*, 2017, vol. 77, no. 7, art. no. 474. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-017-5007-2>

Ohlasy:

1. [1.1] CIRIGLIANO, V. - CRIVELLIN, A. - DEKENS, W. - DE VRIES, J. - HOFERICHTER, M. - MEREGHETTI, E. CP Violation in Higgs-Gauge Interactions: From Tabletop Experiments to the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, JUL 29 2019, vol. 123, no. 5., Registrované v: WOS
2. [1.1] FORTE, S. - LEVY, A. - RIDOLFI, G. From My Vast Repertoire ... Guido Altarelli's Legacy Preface. In FROM MY VAST REPERTOIRE ... : GUIDO ALTARELLI'S LEGACY. 2019, p. V-+., Registrované v: WOS
3. [1.1] RAHAMAN, R. - SINGH, R.K. Probing the anomalous triple gauge boson couplings in $e(+)e(-) \rightarrow W+W-$ using W polarizations with polarized beams. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 24 2020, vol. 101, no. 7., Registrované v: WOS
4. [1.1] RAHAMAN, R. - SINGH, R.K. Unravelling the anomalous gauge boson couplings in $ZW(+/-)$ production at the LHC and the role of spin-1 polarizations. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 14 2020, no. 4., Registrované v: WOS

ADCA596 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at TeV with ATLAS. In *Journal of High Energy Physics*, 2014, vol. 2014, no. 9, art. no. 112. (2013: 6.220 - IF, Q1 - JCR, 1.173 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP09\(2014\)112](https://doi.org/10.1007/JHEP09(2014)112)

Ohlasy:

1. [1.1] BASSO, Eduardo - GONCALVES, Victor P. - NEMCHIK, Jan - PASECHNIK, Roman - SUMBERA, Michal. Drell-Yan phenomenology in the color dipole picture revisited. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 034023., Registrované v: WOS
2. [1.1] BISHARA, Fady - HAISCH, Ulrich - MONNI, Pier Francesco - RE, Emanuele. Constraining Light-Quark Yukawa Couplings from Higgs Distributions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 118, no. 12, art. no. 121801., Registrované v: WOS
3. [1.1] BOZZI, G. - CITELLI, L. - VICINI, A. Parton density function uncertainties on the W boson mass measurement from the lepton transverse momentum distribution. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 113005., Registrované v: WOS
4. [1.1] COHEN, Jonathan - BAR-SHALOM, Shaouly - EILAM, Gad -

SONI, Amarjit. Light-quarks Yukawa couplings and new physics in exclusive high-p(T) Higgs boson plus jet and Higgs boson plus b-jet events. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055014., Registrované v: WOS

5. [1.1] GRAZZINI, Massimiliano - ILNICKA, Agnieszka - SPIRA, Michael - WIESEMANN, Marius. Effective Field Theory in quest to parametrise Higgs properties: the transverse momentum spectrum case. In FIFTH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES. ISSN 1742-6588, 2017, vol. 873, art. no. UNSP 012050., Registrované v: WOS

6. [1.1] NEUMANN, Tobias - WILLIAMS, Ciaran. Higgs bosons at high p(T). In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 014004., Registrované v: WOS

7. [1.1] NEUMANN, Tobias. NLO Higgs+jet production at large transverse momenta including top quark mass effects. In JOURNAL OF PHYSICS COMMUNICATIONS. ISSN 2399-6528, 2018, vol. 2, no. 9, art. no. 095017., Registrované v: WOS

8. [1.1] SCHAEFER, Wolfgang - SZCZUREK, Antoni. Low mass Drell-Yan production of lepton pairs at forward directions at the LHC: A hybrid approach. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 074014., Registrované v: WOS

9. [1.1] TOMIWA, K. G. Performance of Jet Vertex Tagger in suppression of pileup jets and E-T(miss) in ATLAS detector. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP 2016. ISSN 1742-6588, 2017, vol. 802, art. no. UNSP 012012., Registrované v: WOS

10. [1.1] VON BUDDENBROCK, Stefan. Exploring LHC Run 1 and 2 data using the Madala hypothesis. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC. ISSN 1742-6588, 2017, vol. 878, art. no. UNSP 012030., Registrované v: WOS

11. [1.1] VON BUDDENBROCK, Stefan - CORNELL, Alan S. - KUMAR, Mukesh - MELLADO, Bruce. The Madala hypothesis with Run 1 and 2 data at the LHC. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP 2017. ISSN 1742-6588, 2017, vol. 889, art. no. UNSP 012020., Registrované v: WOS

ADCA597 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurements of fiducial cross-sections for $t(\bar{t})$ production with one or two additional b-jets in pp collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. In *European Physical Journal C*, 2016, vol. 76, no. 1, art. no. 11. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-015-3852-4>

Ohlasy:

1. [1.1] ALVAREZ, Ezequiel - ESTEVEZ, Mariel. $t(\bar{t})$ as a probe of new physics at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035016., Registrované v: WOS

2. [1.1] D'HONDT, Jorgen - MARIOTTI, Alberto - MIMASU, Ken - MOORTGAT, Seth - ZHANG, Cen. Learning to pinpoint effective operators at

the LHC: a study of the $t\bar{t}$ over $b\bar{b}$ signature. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 131., Registrované v: WOS

3. [1.1] HARTLAND, N.P. - MALTONI, F. - NOCERA, E.R. - ROJO, J. - SLADE, E. - VRYONIDOU, E. - ZHANG, C. A Monte Carlo global analysis of the Standard Model Effective Field Theory: the top quark sector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 15 2019, no. 4., Registrované v: WOS

4. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS

5. [1.1] JEZO, Tomas - LINDERT, Jonas M. - MORETTI, Niccolo - POZZORINI, Stefano. New NLOPS predictions for $t\bar{t}$ + b-jet production at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 502., Registrované v: WOS

ADCA598 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurements of Four-Lepton Production at the Z Resonance in pp Collisions at $\sqrt{s}=7$ and 8 TeV with ATLAS. In *Physical Review Letters*, 2014, vol. 112, no. 23, art. no. 231806. (2013: 7.728 - IF, Q1 - JCR, 5.674 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.112.231806>

Ohlasy:

1. [1.1] ALIOLI, Simone - CAOLA, Fabrizio - LUISONI, Gionata - ROENTSCH, Raoul. ZZ production in gluon fusion at NLO matched to parton shower. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034042., Registrované v: WOS

2. [1.1] ALTMANNSHOFER, Wolfgang - GORI, Stefania - PROFUMO, Stefano - QUEIROZ, Farinaldo S. Explaining dark matter and B decay anomalies with an L-mu L-tau model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 12, art. no. 106., Registrované v: WOS

3. [1.1] BAEK, Seungwon. Dark matter and muon (g-2) in local U(1)L-mu-L-tau extended Ma model. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 756, pp. 1-5., Registrované v: WOS

4. [1.1] BALLETT, P. - HOSTERT, M. - PASCOLI, S. - PEREZ-GONZALEZ, Y.F. - TABRIZI, Z. - FUNCHAL, R.Z. Z 's in neutrino scattering at DUNE. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 10 2019, vol. 100, no. 5., Registrované v: WOS

5. [1.1] BANERJEE, Heerak - BYAKTI, Pritibhajan - ROY, Sourov. Supersymmetric gauged U(1)(L mu-L tau) model for neutrinos and the muon (g-2) anomaly. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075022., Registrované v: WOS

6. [1.1] BATELL, Brian - FREITAS, Ayres - ISMAIL, Ahmed - MCKEEN, David. Flavor-specific scalar mediators. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 055026., Registrované v: WOS

7. [1.1] BEVAN, Adrian. Experimental prospects for C, P, T, CP, and CPT tests. In 4TH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES (DISCRETE2014). ISSN 1742-6588, 2015, vol. 631, art. no. 012003., Registrované v: WOS

8. [1.1] BIEDERMANN, Benedikt - DENNER, Ansgar - DITTMAIER,

- Stefan - HOFER, Lars - JAEGER, Barbara. Next-to-leading-order electroweak corrections to the production of four charged leptons at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 1, art. no. 033., Registrované v: WOS
9. [1.1] BISHARA, Fady - HAISCH, Ulrich - MONNI, Pier Francesco. Regarding light resonance interpretations of the B decay anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 055002., Registrované v: WOS
10. [1.1] CANKOČAK, K. - DEMIR, D. - KARAHAN, C. - SEN, S. Electroweak stability and discovery luminosities for new physics. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 2020, vol. 80, no. 12., Registrované v: WOS
11. [1.1] DE MONCHENAULT, Gautier Hamel. Electroweak Measurements at the LHC. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 67. ISSN 0163-8998, 2017, vol. 67, pp. 19-44., Registrované v: WOS
12. [1.1] D'ERAMO, Francesco - KAVANAGH, Bradley J. - PANCI, Paolo. Probing leptophilic dark sectors with hadronic processes. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 771, pp. 339-348., Registrované v: WOS
13. [1.1] ELAHI, Fatemeh - MARTIN, Adam. Constraints on L-mu L-tau interactions at the LHC and beyond. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 015022., Registrované v: WOS
14. [1.1] ELAHI, Fatemeh - MARTIN, Adam. Using the modified matrix element method to constrain L-mu-L-tau interactions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015021., Registrované v: WOS
15. [1.1] FALKOWSKI, Adam - KING, Stephen F. - PERDOMO, Elena - PIERRE, Mathias. Flavourful Z' portal for vector-like neutrino dark matter and R-K(*). In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 061., Registrované v: WOS
16. [1.1] FENG, Jonathan L. - FORNAL, Bartosz - GALON, Iftah - GARDNER, Susan - SMOLINSKY, Jordan - TAIT, Tim M. P. - TANEDO, Philip. Particle physics models for the 17 MeV anomaly in beryllium nuclear decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035017., Registrované v: WOS
17. [1.1] FUYUTO, Kaori - HOU, Wei-Shu - KOHDA, Masaya. Z'-induced FCNC decays of top, beauty, and strange quarks. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 054021., Registrované v: WOS
18. [1.1] ISMAIL, Ahmed - KATZ, Andrey. Anomalous Z' and diboson resonances at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 4, art. no. 122., Registrované v: WOS
19. [1.1] JANA, S. - VISHNU, P.K. - SAAD, S. Resolving electron and muon g-2 within the 2HDM. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 29 2020, vol. 101, no. 11., Registrované v: WOS
20. [1.1] JESSADALUK, S. - KHEMASIRI, N. - RATTANAWARINCHAI, P. - RAHONG, S. - RANGKASIKORN, A. - KAYUNKID, N. - WIRUNCHIT, S. - KLAMCHUEN, A. - NUKEAW, J. A tunable thermal switching device based on Joule heating-induced metal-insulator transition in VO2 thin films via an external electric field. In JAPANESE

JOURNAL OF APPLIED PHYSICS. ISSN 0021-4922, JUN 1 2019, vol. 58, D.,
Registrované v: WOS

21. [1.1] PARK, Jong-Chul - KIM, Jongkuk - PARK, Seong Chan.
Galactic center GeV gamma-ray excess, from dark matter with gauged lepton
numbers. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 752, pp.
59-65., Registrované v: WOS

22. [1.1] RAINBOLT, J.L. - SCHMITT, M. Branching fraction for Z
decays to four leptons and constraints on new physics. In PHYSICAL REVIEW
D. ISSN 2470-0010, JAN 28 2019, vol. 99, no. 1., Registrované v: WOS

23. [1.1] SALA, Filippo - STRAUB, David M. A new light particle in B
decays? In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 774, pp.
205-209., Registrované v: WOS

ADCA599 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. -
ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol.
Measurements of four-lepton production in pp collisions at $\sqrt{s}=8$ TeV with the
ATLAS detector. In *Physics Letters B*, 2016, vol. 753, p. 552-572. (2015: 4.787 - IF,
Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current
Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na:
<https://doi.org/10.1016/j.physletb.2015.12.048>

Ohlasy:

1. [1.1] ALIOLI, Simone - CAOLA, Fabrizio - LUISONI, Gionata -
ROENTSCH, Raoul. ZZ production in gluon fusion at NLO matched to parton
shower. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art.
no. 034042., Registrované v: WOS

2. [1.1] DE MONCHENAULT, Gautier Hamel. Electroweak
Measurements at the LHC. In ANNUAL REVIEW OF NUCLEAR AND
PARTICLE SCIENCE, VOL 67. ISSN 0163-8998, 2017, vol. 67, pp. 19-44.,
Registrované v: WOS

3. [1.1] FORTE, S. - LEVY, A. - RIDOLFI, G. From My Vast
Repertoire ... Guido Altarelli's Legacy Preface. In FROM MY VAST
REPERTOIRE ... : GUIDO ALTARELLI'S LEGACY. 2019, p. V-+.,
Registrované v: WOS

4. [1.1] GRAZZINI, Massimiliano - KALLWEIT, Stefan -
WIESEMANN, Marius. Fully differential NNLO computations with MATRIX.
In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no.
7, art, no. 537., Registrované v: WOS

5. [1.1] KALLWEIT, Stefan - WIESEMANN, Marius. ZZ production at
the LHC: NNLO predictions for $2l2\nu$ and $4l$ signatures. In PHYSICS LETTERS
B. ISSN 0370-2693, 2018, vol. 786, pp. 382-389., Registrované v: WOS

ADCA600 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. -
BRUNCKO, Dušan - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurements of
gluon-gluon fusion and vector-boson fusion Higgs boson production cross-sections
in the H - WW* - e nu mu nu decay channel in pp collisions at $\sqrt{s}=13$ TeV with
the ATLAS detector. In *Physics Letters B*, 2019, vol. 789, p. 508-529. (2018: 4.162 -
IF, Q2 - JCR, 1.806 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current
Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na:
<https://doi.org/10.1016/j.physletb.2018.11.064>

Ohlasy:

1. [1.1] ALTMANNSHOFER, W. - MADDOCK, B. - TUCKLER, D. Rare top decays as probes of flavorful Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 8 2019, vol. 100, no. 1., Registrované v: WOS
2. [1.1] ARPINO, L. - BANFI, A. - JAGER, S. - KAUER, N. BSM WW production with a jet veto. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 13 2019, no. 8., Registrované v: WOS
3. [1.1] COHEN, J. - BAR-SHALOM, S. - EILAM, G. - SONI, A. R-parity violating supersymmetry and the 125 GeV Higgs boson signals. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 31 2019, vol. 100, no. 11., Registrované v: WOS
4. [1.1] CHATTERJEE, S. - DAS, A. - SAMUI, T. - SEN, M. Mixed WIMP-axion dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 31 2019, vol. 100, no. 11., Registrované v: WOS
5. [1.1] KRAML, S. - LOC, T.Q. - NHUNG, D.T. - NINH, L.D. Constraining new physics from Higgs measurements with Lilith: update to LHC Run 2 results. In SCIPOST PHYSICS. ISSN 2542-4653, OCT 2019, vol. 7, no. 4., Registrované v: WOS

ADCA601 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurements of Higgs boson production and couplings in the four-lepton channel in pp collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector. In *Physical Review D*, 2015, vol. 91, no. 1, art. no. 012006. (2014: 4.643 - IF, Q1 - JCR, 2.414 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.91.012006>

Ohlasy:

1. [1.1] ABDUSSALAM, S.S. Testing Higgs boson scenarios in the phenomenological NMSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 25 2019, vol. 79, no. 5., Registrované v: WOS
2. [1.1] ARBEY, Alexandre - CACCIAPAGLIA, Giacomo - CAI, Haiying - DEANDREA, Aldo - LE CORRE, Solene - SANNINO, Francesco. Fundamental composite electroweak dynamics: Status at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015028., Registrované v: WOS
3. [1.1] ASKEW, Andrew - JAISWAL, Prerit - OKUI, Takemichi - PROSPER, Harrison B. - SATO, Nobuo. Prospect for measuring the CP phase in the h tau tau coupling at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 7, art. no. 075014., Registrované v: WOS
4. [1.1] BANDYOPADHYAY, Priyotosh - COSTANTINI, Antonio. Distinguishing charged Higgs bosons from different representations at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 1, art. no. 067., Registrované v: WOS
5. [1.1] BHATTACHERJEE, Biplob - CHAKRABORTY, Amit - CHOUDHURY, Arghya. Status of the MSSM Higgs sector using global analysis and direct search bounds, and future prospects at the High Luminosity LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 093007., Registrované v: WOS
6. [1.1] BHATTACHERJEE, Biplob - CHOUDHURY, Arghya. Role of

- supersymmetric heavy Higgs boson production in the self-coupling measurement of 125 GeV Higgs boson at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 7, art. no. 073015., Registrované v: WOS
7. [1.1] BHAT, Pushpalatha C. - PROSPER, Harrison B. - SEKMEN, Sezen - STEWART, Chip. Optimizing event selection with the random grid search. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 228, pp. 245-257., Registrované v: WOS
 8. [1.1] BIAN, Ligong - LIU, Tao - SHU, Jing. Cancellations Between Two-Loop Contributions to the Electron Electric Dipole Moment with a CP-Violating Higgs Sector. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 2, art. no. 021801., Registrované v: WOS
 9. [1.1] BOUDJEMA, Fawzi - GUADAGNOLI, Diego - GODBOLE, Rohini M. - MOHAN, Kirtimaan A. Laboratory-frame observables for probing the top-Higgs boson interaction. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 1, art. no. 015019., Registrované v: WOS
 10. [1.1] CLINE, James M. - DUPUIS, Grace - LIU, Zuowei - XUE, Wei. Multimediator models for the Galactic Center gamma ray excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 11, art. no. 115010., Registrované v: WOS
 11. [1.1] DAS, Arindam - DEV, P. S. Bhupal - KIM, C. S. Constraining sterile neutrinos from precision Higgs data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115013., Registrované v: WOS
 12. [1.1] DE BLAS, Jorge - EBERHARDT, Otto - KRAUSE, Claudius. Current and future constraints on Higgs couplings in the nonlinear Effective Theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 048., Registrované v: WOS
 13. [1.1] DWIVEDI, Siddharth - MONDAL, Subhadeep - MUKHOPADHYAYA, Biswarup. Exploring anomalous $h b(\bar{b})$ and $h b(\bar{b})$ gamma couplings in the context of the LHC and an $e(+)e(-)$ collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015035., Registrované v: WOS
 14. [1.1] EFRATI, Aielet - KUFLIK, Eric - NUSSINOV, Shmuel - SOREQ, Yotam - VOLANSKY, Tomer. Constraining the Higgs-dilaton with LHC and dark matter searches. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 5, art. no. 055034., Registrované v: WOS
 15. [1.1] ENBERG, Rikard - RATHSMAN, Johan - WOUDA, Glenn. Higgs phenomenology in the stealth doublet model. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 095002., Registrované v: WOS
 16. [1.1] ESSIG, Rouven - MEADE, Patrick - RAMANI, Harikrishnan - ZHONG, Yi-Ming. Higgs-precision constraints on colored naturalness. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 9, art. no. 085., Registrované v: WOS
 17. [1.1] KANEMURA, Shinya - KIKUCHI, Mariko - YAGYU, Kei. Fingerprinting the extended Higgs sector using one-loop corrected Higgs boson couplings and future precision measurements. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 896, pp. 80-137., Registrované v: WOS
 18. [1.1] NAKAMURA, Junya - BAGLIO, Julien. Jet azimuthal angle correlations in the production of a Higgs boson pair plus two jets at hadron colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 1, art. no. 35., Registrované v: WOS

19. [1.1] RIA, G. - MELONI, D. Radiative corrections of heavy scalar decays to gauge bosons in the singlet extension of the Standard Model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 270., Registrované v: WOS
20. [1.1] WERTZ, Sebastien. The Matrix Element Method in the LHC era. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 11010., Registrované v: WOS

ADCA602 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurements of Higgs boson production and couplings in diboson final states with the ATLAS detector at the LHC. In *Physics Letters B*, 2013, vol. 726, no. 1-3, p. 88-119. (2012: 4.569 - IF, Q1 - JCR, 3.353 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2013.08.010>

Ohlasy:

1. [1.1] ABDALLAH, W. - KHALIL, S. - MORETTI, S. Double Higgs peak in the minimal SUSY B L model. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 014001., Registrované v: WOS
2. [1.1] ALAM, Sher - BEHERA, Subhasish - KUMAR, Satendra - SAHOO, Shibananda. Constraining capability of Z gamma h production at the ILC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 2-3, art. no. 1750017., Registrované v: WOS
3. [1.1] ALMARASHI, M. M. Discovery potential of the NMSSM CP-odd Higgs at the LHC. In RESULTS IN PHYSICS. ISSN 2211-3797, 2018, vol. 10, pp. 799-804., Registrované v: WOS
4. [1.1] ALMARASHI, M. M. Prospects of neutral Higgs boson decays in the NMSSM. In RESULTS IN PHYSICS. ISSN 2211-3797, 2018, vol. 9, pp. 534-540., Registrované v: WOS
5. [1.1] ALMARASHI, M. M. The second lightest CP-even Higgs boson signals in the NMSSM at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 10, art. no. 1850071., Registrované v: WOS
6. [1.1] ALMARASHI, M.M. Light CP-odd Higgs boson production of the NMSSM in bottom-gluon fusion at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, SEP 10 2020, vol. 35, no. 25., Registrované v: WOS
7. [1.1] ANDERSEN, Jeppe R. - HAPOLA, Tuomas - MAIER, Andreas - SMILLIE, Jennifer M. Higgs boson plus dijets: higher order corrections. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 9, art. no. 065., Registrované v: WOS
8. [1.1] ANTUSCH, Stefan - FISCHER, Oliver. Testing sterile neutrino extensions of the Standard Model at the Circular Electron Positron Collider. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 23, art. no. 1544004., Registrované v: WOS
9. [1.1] ANTUSCH, Stefan - FISCHER, Oliver. Testing sterile neutrino extensions of the Standard Model at future lepton colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 5, art. no. 053., Registrované v: WOS
10. [1.1] APPELQUIST, T. - BROWER, R. C. - FLEMING, G. T. -

- HASENFRATZ, A. - JIN, X. Y. - KISKIS, J. - NEIL, E. T. - OSBORN, J. C. - REBBI, C. - RINALDI, E. - SCHAICH, D. - VRANAS, P. - WEINBERG, E. - WITZEL, O. Strongly interacting dynamics and the search for new physics at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 114514., Registrované v: WOS
11. [1.1] ARBEY, Alexandre - FICHET, Sylvain - MAHMOUDI, Farvah - MOREAU, Gregory. The correlation matrix of Higgs rates at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 11, art. no. 097., Registrované v: WOS
12. [1.1] ARGANDA, E. - HERRERO, M. J. - MARCANO, X. - WEILAND, C. Imprints of massive inverse seesaw model neutrinos in lepton flavor violating Higgs boson decays. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 015001., Registrované v: WOS
13. [1.1] ARGANDA, E. - HERRERO, M. J. - MARCANO, X. - WEILAND, C. Radiatively-induced LFV Higgs Decays from Massive ISS Neutrinos. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 1685-1691., Registrované v: WOS
14. [1.1] ARHRIB, A. - BENBRIK, R. - HAROUIZ, H. - MORETTI, S. - ROUCHAD, A. A Guidebook to Hunting Charged Higgs Bosons at the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, MAR 10 2020, vol. 8., Registrované v: WOS
15. [1.1] ASTAPOV, K. O. - DEMIDOV, S. V. Sgoldstino-Higgs mixing in models with low-scale supersymmetry breaking. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 1, art. no. 136., Registrované v: WOS
16. [1.1] BANIK, Amit Dutta - MAJUMDAR, Debasish. Extension of minimal fermionic dark matter model: a study with two Higgs doublet model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 8, art. no. 364., Registrované v: WOS
17. [1.1] BARNOVSKA, Zuzana. Search for narrow scalar $X \rightarrow \gamma \gamma$ in the mass range 65-600 GeV with the ATLAS detector. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 2460-2462., Registrované v: WOS
18. [1.1] BELYAEV, N. - REID, T. Limits on Higgs boson couplings in Effective field theory. In INTERNATIONAL CONFERENCE ON PARTICLE PHYSICS AND ASTROPHYSICS (ICPPA-2015), PTS 1-4. ISSN 1742-6588, 2016, vol. 675, art. no. 022023., Registrované v: WOS
19. [1.1] BERGE, Stefan - BERNREUTHER, Werner - KIRCHNER, Sebastian. Determination of the Higgs CP-mixing angle in the tau decay channels. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 841-845., Registrované v: WOS
20. [1.1] BERNON, Jeremy - DUMONT, Beranger. Lilith: a tool for constraining new physics from Higgs measurements. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 440., Registrované v: WOS
21. [1.1] BIAN, Ligong - LIU, Tao - SHU, Jing. Cancellations Between Two-Loop Contributions to the Electron Electric Dipole Moment with a CP-Violating Higgs Sector. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 2, art. no. 021801., Registrované v: WOS
22. [1.1] BIEKOTTER, A. - CORBETT, T. - PLEHN, T. The

- Gauge-Higgs legacy of the LHC run II. In *SCIPOST PHYSICS*. ISSN 2542-4653, JUN 2019, vol. 6, no. 6., Registrované v: WOS
23. [1.1] BOSELLI, Stefano - CALAME, Carlo M. Carloni - MONTAGNA, Guido - NICROSINI, Oreste - PICCININI, Fulvio. Higgs boson decay into four leptons at NLOPS electroweak accuracy. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2015, no. 6, art. no. 023., Registrované v: WOS
24. [1.1] BUTTER, Anja - EBOLI, Oscar J. P. - GONZALEZ-FRAILE, J. - GONZALEZ-GARCIA, M. C. - PLEHN, Tilman - RAUCH, Michael. The gauge-Higgs legacy of the LHC Run I. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2016, no. 7, art. no. 152., Registrované v: WOS
25. [1.1] CARENA, Marcela - HABER, Howard E. - LOW, Ian - SHAH, Nausheen R. - WAGNER, Carlos E. M. Complementarity between nonstandard Higgs boson searches and precision Higgs boson measurements in the MSSM. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2015, vol. 91, no. 3, art. no. 035003., Registrované v: WOS
26. [1.1] CARENA, Marcela - HABER, Howard E. - LOW, Ian - SHAH, Nausheen R. - WAGNER, Carlos E. M. Alignment limit of the NMSSM Higgs sector. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 035013., Registrované v: WOS
27. [1.1] COLLABORATION, Cms. Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at root s=8 TeV using $H \rightarrow WW$ decays. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2017, no. 3, art. no. 032., Registrované v: WOS
28. [1.1] CORDERO, F. Febres - HOFMANN, P. - ITA, H. $W+W-+3$ -jet production at the Large Hadron Collider in next-to-leading-order QCD. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034006., Registrované v: WOS
29. [1.1] COUSINS, Robert D. The Jeffreys-Lindley paradox and discovery criteria in high energy physics. In *SYNTHESE*. ISSN 0039-7857, 2017, vol. 194, no. 2, pp. 395-432., Registrované v: WOS
30. [1.1] CRAIG, Nathaniel - KATZ, Andrey - STRASSLER, Matt - SUNDRUM, Raman. Naturalness in the dark at the LHC. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2015, no. 7, art. no. 105., Registrované v: WOS
31. [1.1] CUI, Zhen-Wei - LI, Qiang - LI, Gang - RUAN, Man-Qi - WANG, Lei - YANG, Da-Neng. Measurement of $H \rightarrow \mu^{(+)}\mu^{(-)}$ production in association with a Z boson at the CEPC. In *CHINESE PHYSICS C*. ISSN 1674-1137, 2018, vol. 42, no. 5, art. no. 053001., Registrované v: WOS
32. [1.1] DELEPINE, D. - NOVALES-SANCHEZ, H. Interplay between neutrino magnetic moments and CP violating phases in left-right models. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095016., Registrované v: WOS
33. [1.1] DELGADO LOPEZ, Rafael. Chiral EW Lagrangian. In *STUDY OF THE ELECTROWEAK SYMMETRY BREAKING SECTOR FOR THE LHC*. ISSN 2190-5053, 2017, pp. 15-30., Registrované v: WOS
34. [1.1] DELGADO, Rafael L. Coupling of $t(\bar{t})$ and gamma gamma with a strongly interacting Electroweak Symmetry Breaking Sector. In *XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM*. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 10001., Registrované v: WOS

35. [1.1] DELGADO, Rafael L. - DOBADO, Antonio - LLANES-ESTRADA, Felipe J. Strongly interacting WLWL, Z(L)Z(L) and hh from unitarized one-loop computations. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 2436-2438., Registrované v: WOS
36. [1.1] DENNER, Ansgar - DITTMAIER, Stefan - KALLWEIT, Stefan - MUECK, Alexander. HAWK 2.0: A Monte Carlo program for Higgs production in vector-boson fusion and Higgs strahlung at hadron colliders. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2015, vol. 195, pp. 161-171., Registrované v: WOS
37. [1.1] DISSERTORI, Guenther. Introduction to Physics at the High-Energy Frontier. In SEARCH FOR SUPERSYMMETRY IN HADRONIC FINAL STATES: EVOLUTION STUDIES OF THE CMS ELECTROMAGNETIC CALORIMETER. ISSN 2190-5053, 2015, pp. 3-21., Registrované v: WOS
38. [1.1] DJOUADI, Abdelhak - QUEVILLON, Jeremie - VEGA-MORALES, Roberto. Into the multi-TeV scale with a Higgs golden ratio. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 757, pp. 412-419., Registrované v: WOS
39. [1.1] DJOUADI, A. - MAIANI, L. - POLOSA, A. - QUEVILLON, J. - RIQUER, V. Fully covering the MSSM Higgs sector at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 168., Registrované v: WOS
40. [1.1] DONINI, A. - MARIMON, S. G. Micro-orbits in a many-brane model and deviations from Newton's $1/r(2)$ law. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 12, art. no. 696., Registrované v: WOS
41. [1.1] DORSNER, Ilja - FAJFER, Svjetlana - GRELJO, Admir - KAMENIK, Jernej F. - KOSNIK, Nejc - NISANDZIC, Ivan. New physics models facing lepton flavor violating Higgs decays at the percent level. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 108., Registrované v: WOS
42. [1.1] DUMONT, Beranger. At Least a Higgs Boson. In HIGGS, SUPERSYMMETRY AND DARK MATTER AFTER RUN I OF THE LHC. ISSN 2190-5053, 2017, pp. 29-151., Registrované v: WOS
43. [1.1] DUMONT, Beranger. Interpreting LHC Searches for New Physics. In HIGGS, SUPERSYMMETRY AND DARK MATTER AFTER RUN I OF THE LHC. ISSN 2190-5053, 2017, pp. 153-253., Registrované v: WOS
44. [1.1] EL-NAGDY, M. S. - ABDELALIM, A. A. - MAHROUS, A. - PUGLIESE, G. - ALY, S. A Study of the Higgs Boson Production in the Dimuon Channel at 14 TeV. In ARAB JOURNAL OF NUCLEAR SCIENCES AND APPLICATIONS. ISSN 1110-0451, 2016, vol. 49, no. 4, pp. 11-15., Registrované v: WOS
45. [1.1] ESPINOSA, Jose R. - FORTIN, Jean-Francois - TREPANIER, Maxime. Consistency of scalar potentials from quantum de Sitter space. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 12, art. no. 124067., Registrované v: WOS
46. [1.1] ETESAMI, Seyed Mohsen - NAJAFABADI, Mojtaba Mohammadi. Double Higgs boson production with a jet substructure analysis to probe extra dimensions. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol.

- 92, no. 7, art. no. 073013., Registrované v: WOS
47. [1.1] FARRERA, C.M. - GRANADOS-GONZALEZ, A. - NOVALES-SANCHEZ, H. - TOSCANO, J.J. Quark-flavor-changing Higgs decays from a universal extra dimension. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, AUG 30 2020, vol. 35, no. 24., Registrované v: WOS
48. [1.1] FICHET, Sylvain - MOREAU, Gregory. Anatomy of the Higgs fits: A first guide to statistical treatments of the theoretical uncertainties. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 905, pp. 391-446., Registrované v: WOS
49. [1.1] FISCHER, Oliver. Clues on the Majorana scale from scalar resonances at the LHC. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2017, vol. 32, no. 6, art. no. 1750035., Registrované v: WOS
50. [1.1] FOWLIE, A. Bayesian and frequentist approaches to resonance searches. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, OCT 2019, vol. 14., Registrované v: WOS
51. [1.1] FROGGATT, C. D. - DAS, C. R. - LAPERASHVILI, L. V. - NIELSEN, H. B. Diphoton decay of the Higgs boson and new bound states of top and antitop quarks. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 21, art. no. 1550132., Registrované v: WOS
52. [1.1] FUNATSU, Shuichiro - HATANAKA, Hisaki - HOSOTANI, Yutaka. $H \rightarrow Z$ gamma in the gauge-Higgs unification. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 115003., Registrované v: WOS
53. [1.1] GAINER, James S. - GONZALEZ-ALONSO, Martn - GRELJO, Admir - ISAKOVIC, Senad - ISIDORI, Gino - KORYTOV, Andrey - LYKKEN, Joseph - MARZOCCA, David - MATCHEV, Konstantin T. - MILENOVIC, Predrag - MITSSELMACHER, Guenakh - MRENNNA, Stephen - PARK, Myeonghun - RINKEVICIUS, Aurelijus - SELIMOVIC, Nudzeim. Adding pseudo-observables to the four-lepton experimentalist's toolbox. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 073., Registrované v: WOS
54. [1.1] GIUDICE, Gian Francesco. Collider Physics within the Standard Model A Primer Foreword. In COLLIDER PHYSICS WITHIN THE STANDARD MODEL: A PRIMER. ISSN 0075-8450, 2017, vol. 937, pp. V-+., Registrované v: WOS
55. [1.1] GOTO, Toru - KITANO, Ryuichiro - MORI, Shingo. Lepton flavor violating Z-boson couplings from nonstandard Higgs interactions. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 075021., Registrované v: WOS
56. [1.1] GREINER, Nicolas - HOECHE, Stefan - LUISONI, Gionata - SCHOENHERR, Merck - WINER, Jan-Christopher - YUNDIN, Valery. Phenomenological analysis of Higgs boson production through gluon fusion in association with jets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 1, art. no. 169., Registrované v: WOS
57. [1.1] GRINSTEIN, Benjamin - MURPHY, Christopher W. - UTTAYARAT, Patipan. One-loop corrections to the perturbative unitarity bounds in the CP-conserving two-Higgs doublet model with a softly broken $Z(2)$ symmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479,

2016, no. 6, art. no. 070., Registrované v: WOS

58. [1.1] GUPTA, Arpit - PRIMULANDO, Reinard - SARASWAT, Prashant. A new probe of dark sector dynamics at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art. no. 079., Registrované v: WOS

59. [1.1] HABER, Howard E. - STAL, Oscar. New LHC benchmarks for the CP-conserving two-Higgs-doublet model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 10, art. no. 491., Registrované v: WOS

60. [1.1] HAMITY, Guillermo Nicolas. Results of the search for an A boson decaying to Zh, with an ll tau tau final state, in pp collisions at 8 TeV centre of mass energy recorded with the ATLAS experiment. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP (HEPPW2015). ISSN 1742-6588, 2015, vol. 645, art. no. UNSP 012011., Registrované v: WOS

61. [1.1] HAMITY, Guillermo Nicolas. Results of Beyond-the-Standard Model 2HDM Higgs Searches using the ATLAS detector in Run-I. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2014). ISSN 1742-6588, 2015, vol. 623, art. no. 012013., Registrované v: WOS

62. [1.1] HAN, Zhi-Long - DING, Ran - LIAO, Yi. LHC phenomenology of the type II seesaw mechanism: Observability of neutral scalars in the nondegenerate case. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 033014., Registrované v: WOS

63. [1.1] HASENFRATZ, Anna - SCHAICH, David. Nonperturbative beta function of twelve-flavor SU(3) gauge theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 132., Registrované v: WOS

64. [1.1] HERRERO-GARCIA, Juan - OHLSSON, Tommy - RIAD, Stella - WIREN, Jens. Full parameter scan of the Zee model: exploring Higgs lepton flavor violation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, art. no. 130., Registrované v: WOS

65. [1.1] HETZEL, Jamil - STECH, Berthold. Low-energy phenomenology of trinification: An effective left-right-symmetric model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 5, art. no. 055026., Registrované v: WOS

66. [1.1] HOOK, Anson - KEARNEY, John - SHAKYA, Bibhushan - ZUREK, Kathryn M. Probable or improbable universe? Correlating electroweak vacuum instability with the scale of inflation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, vol., no. 1, art. no. 061., Registrované v: WOS

67. [1.1] CHANG, Spencer - COHEN, Timothy - OSTDIEK, Bryan. What is the machine learning? In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 056009., Registrované v: WOS

68. [1.1] CHAO, Wei. Electroweak baryogenesis in the exceptional supersymmetric standard model. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2015, no. 8, art. no. 055., Registrované v: WOS

69. [1.1] CHAO, Wei. First order electroweak phase transition triggered by the Higgs portal vector dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 1, art. no. 015025., Registrované v: WOS

70. [1.1] CHECCHIA, Paolo. Implications of a 125 GeV Higgs boson. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 7, art. no. 1530003., Registrované v: WOS
71. [1.1] ILISIE, Victor. Bounds on neutral and charged Higgs from the LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 678-683., Registrované v: WOS
72. [1.1] KAGAN, Alexander L. - PEREZ, Gilad - PETRIELLO, Frank - SOREQ, Yotam - STOYNEV, Stoyan - ZUPAN, Jure. Exclusive Window onto Higgs Yukawa Couplings. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 10, art. no. 101802., Registrované v: WOS
73. [1.1] KANEMURA, Shinya - YOKOYA, Hiroshi - ZHENG, Ya-Juan. Searches for additional Higgs bosons in multi-top-quarks events at the LHC and the International Linear Collider. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 898, pp. 286-300., Registrované v: WOS
74. [1.1] KARDOS, A. - TROCSANYI, Z. Hadroproduction of t-anti-t pair with two isolated photons with PowHel. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 897, pp. 717-731., Registrované v: WOS
75. [1.1] KHANPOUR, Hamzeh - KHATIBI, Sara - NAJAFABADI, Mojtaba Mohammadi. Probing Higgs boson couplings in H plus gamma production at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 773, pp. 462-469., Registrované v: WOS
76. [1.1] KOHRI, Kazunori - MATSUI, Hiroki. Higgs vacuum metastability in primordial inflation, preheating, and reheating. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 10, art. no. 103509., Registrované v: WOS
77. [1.1] KOHRI, Kazunori - MATSUI, Hiroki. Electroweak vacuum instability and renormalized Higgs field vacuum fluctuations in the inflationary universe. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2017, no. 8, art. no. 011., Registrované v: WOS
78. [1.1] KOHRI, Kazunori - MATSUI, Hiroki. Electroweak vacuum collapse induced by vacuum fluctuations of the Higgs field around evaporating black holes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 12, art. no. 123509., Registrované v: WOS
79. [1.1] KOHRI, Kazunori - MATSUI, Hiroki. Electroweak vacuum instability and renormalized vacuum field fluctuations in Friedmann-Lemaître-Robertson-Walker background. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 10, art. no. 103521., Registrované v: WOS
80. [1.1] KRASNY, Mieczysław Witold - PLACZEK, Wiesław. ON THE CONTRIBUTION OF THE DOUBLE DRELL-YAN PROCESS TO WW AND ZZ PRODUCTION AT THE LHC. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 4, pp. 1045-1056., Registrované v: WOS
81. [1.1] KUMAR, Satendra - POULOSE, P. Probing WW gamma coupling through $e(-)\gamma \rightarrow \nu W e(-)$ at ILC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 36, art. no. 1550215., Registrované v: WOS
82. [1.1] KUMAR, Satendra - POULOSE, P. - SAHOO, Shibananda. Study of Higgs-gauge boson anomalous couplings through $e(-)e(+)\rightarrow W(-)W(+)\gamma$ at the ILC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 7, art. no. 073016., Registrované v: WOS
83. [1.1] KUMAR, S. - POULOSE, P. - RAHAMAN, R. - SINGH, R.K.

- Measuring Higgs self-couplings in the presence of VVH and VVHH at the ILC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, JUN 30 2019, vol. 34, no. 18., Registrované v: WOS
84. [1.1] LAI, Jie-Ting - YUE, Chong-Xing. Light gauge boson Z' and LFV decays of the electroweak gauge boson Z . In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2017, vol. 32, no. 6, art. no. 1750039., Registrované v: WOS
85. [1.1] LAWRYNOWICZ, J. - SUZUKI, O. - NIEMCZYNOWICZ, A. - NOWAK-KEPCZYK, M. Fractals and Chaos Related to Ising-Onsager-Zhang Lattices. Quaternary Approach vs. Ternary Approach. In ADVANCES IN APPLIED CLIFFORD ALGEBRAS. ISSN 0188-7009, JUL 2019, vol. 29, no. 3., Registrované v: WOS
86. [1.1] MAMBRINI, Yann - NAGATA, Natsumi - OLIVE, Keith A. - QUEVILLON, Jeremie - ZHENG, Jiaming. Dark matter and gauge coupling unification in nonsupersymmetric $SO(10)$ grand unified models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 9, art. no. 095010., Registrované v: WOS
87. [1.1] MARTINEZ, R. - NISPERUZA, J. - OCHOA, F. - RUBIO, J. P. - SIERRA, C. F. Scalar coupling limits and diphoton Higgs decay from LHC in an $U(1)'$ model with scalar dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 035016., Registrované v: WOS
88. [1.1] MATSUZAKI, Shinya - YAMAWAKI, Koichi. Walking on the ladder: 125 GeV tech nidilaton, or Conformal Higgs. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 12, art. no. 053., Registrované v: WOS
89. [1.1] MATSUZAKI, Shinya. One-family walking technicolor in light of LHC Run II. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 35, art. no. 1747004., Registrované v: WOS
90. [1.1] MORETTI, Stefano - ROJAS, Diana - YAGYU, Kei. Enhancement of the $H(\pm)W(\mp)Z$ vertex in the three scalar doublet model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 8, art. no. 116., Registrované v: WOS
91. [1.1] NAKAMURA, Junya. Polarisation of the Z and W bosons in the processes $pp \rightarrow ZH$ and $pp \rightarrow (WH)-H-\pm$. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 008., Registrované v: WOS
92. [1.1] OSHIMO, Noriyuki. Two-photon decay of the Higgs bosons in a supersymmetric model with a CP-violating potential. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 095017., Registrované v: WOS
93. [1.1] QIN, Qin - LI, Qiang - LUE, Cai-Dian - YU, Fu-Sheng - ZHOU, Si-Hong. Charged lepton flavor violating Higgs decays at future $e(+)e(-)$ colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 10, art. no. 835., Registrované v: WOS
94. [1.1] QUERTENMONT, Loic. CMS constraints on the Higgs boson width from off-shell production and decay to Z -boson pairs. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 771-774., Registrované v: WOS
95. [1.1] RAMIREZ-SANCHEZ, F. - GUTIERREZ-RODRIGUEZ, A. - HERNANDEZ-RUIZ, M. A. Higgs bosons production and decay at future $e(+)e(-)$ linear colliders as a probe of the $B-L$ model. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016,

vol. 43, no. 9, art. no. 095003., Registrované v: WOS

96. [1.1] SANYAL, P. Limits on the charged Higgs parameters in the two Higgs doublet model using CMS root s=13 TeV results. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS

97. [1.1] SASAKI, Ken - UEMATSU, Tsuneo. CP-odd Higgs boson production in e gamma collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 781, pp. 290-294., Registrované v: WOS

98. [1.1] SETO, Osamu. Large invisible decay of a Higgs boson to neutrinos. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 073005., Registrované v: WOS

99. [1.1] SOGAMI, Ikuo S. Extension of Standard Model in multi-spinor field formalism Visible and dark sectors. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 18, art. no. 1630027., Registrované v: WOS

100. [1.1] SONG, Jeonghyeon - YOON, Yeo Woong. Gigantic diphoton rate of heavy Higgs bosons in the aligned two Higgs doublet models with small tan beta. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 11, art. no. 113012., Registrované v: WOS

101. [1.1] TORRENTE-LUJAN, E. The Higgs and top mass coincidence problem. In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, art. no. 05015., Registrované v: WOS

102. [1.1] VARZIELAS, Ivo de Medeiros - FISCHER, Oliver - MAURER, Vinzenz. A(4) symmetry at colliders and in the universe. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 8, art. no. 080., Registrované v: WOS

103. [1.1] WUETHRICH, Adrian. The Higgs discovery as a diagnostic causal inference. In SYNTHESIS. ISSN 0039-7857, 2017, vol. 194, no. 2, pp. 461-476., Registrované v: WOS

104. [1.1] ZAGOSKIN, T. V. - KORCHIN, A. Yu. Decays of a neutral particle with zero spin and arbitrary CP parity into two off-mass-shell Z bosons. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2016, vol. 122, no. 4, pp. 663-678., Registrované v: WOS

105. [1.1] ZENG, Qing-Guo. Production of the doubly charged leptons at the ILC. In EPL. ISSN 0295-5075, 2015, vol. 111, no. 2, art. no. 21003., Registrované v: WOS

106. [1.1] ZHAO, Shi-Yu - YUE, Chong-Xing - YU, You. The HZZ' Coupling and the Higgs-Strahlung Production pp> ZH at the LHC. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 2, pp. 648-657., Registrované v: WOS

ADCA603 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurements of Higgs boson properties in the diphoton decay channel with 36 fb(-1) of pp collision data at root s=13 TeV with the ATLAS detector. In *Physical Review D*, 2018, vol. 98, no. 5, art. no. 052005. (2017: 4.394 - IF, Q1 - JCR, 1.801 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.98.052005>

Ohlasy:

1. [1.1] ABOUBRAHIM, Amin - IBRAHIM, Tarek - ITANI, Ahmad - NATH, Pran. Observables of low-lying supersymmetric vectorlike leptonic generations via loop corrections. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075009., Registrované v: WOS
2. [1.1] ALTMANNSHOFER, Wolfgang - MADDOCK, Brian. Flavorful two-Higgs-doublet models with a twist. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075005., Registrované v: WOS
3. [1.1] ANGELESCU, A. - HUANG, P. Multistep strongly first order phase transitions from new fermions at the TeV scale. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 19 2019, vol. 99, no. 5., Registrované v: WOS
4. [1.1] ARHRIB, Abdesslam - HUANG, Wei-Chih - RAMOS, Raymundo - TSAI, Yue-Lin Sming - YUAN, Tzu-Chiang. Consistency of a gauged two-Higgs-doublet model: Scalar sector. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095006., Registrované v: WOS
5. [1.1] ARHRIB, A. - BENBRIK, R. - HAROUIZ, H. - MORETTI, S. - WANG, Y. - YAN, Q.S. Implications of a light charged Higgs boson at the LHC run III in the 2HDM. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 30 2020, vol. 102, no. 11., Registrované v: WOS
6. [1.1] BAGLIO, J. - DAWSON, S. - LEWIS, I.M. NLO effects in EFT fits to $W^+ W^-$ production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 20 2019, vol. 99, no. 3., Registrované v: WOS
7. [1.1] BAGNASCHI, E. - BAHL, H. - FUCHS, E. - HAHN, T. - HEINEMEYER, S. - LIEBLER, S. - PATEL, S. - SLAVICH, P. - STEFANIAK, T. - WAGNER, C.E.M. - WEIGLEIN, G. MSSM Higgs boson searches at the LHC: benchmark scenarios for Run 2 and beyond. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 20 2019, vol. 79, no. 7., Registrované v: WOS
8. [1.1] BAHL, H. - LIEBLER, S. - STEFANIAK, T. MSSM Higgs benchmark scenarios for Run 2 and beyond: the low $\tan\beta$ region. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS
9. [1.1] BELYAEV, A. - CACCIAPAGLIA, G. - MCKAY, J. - MARIN, D. - ZERWEKH, A.R. Minimal spin-one isotriplet dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 6 2019, vol. 99, no. 11., Registrované v: WOS
10. [1.1] BIEKOTTER, A. - CORBETT, T. - PLEHN, T. The Gauge-Higgs legacy of the LHC run II. In SCIPOST PHYSICS. ISSN 2542-4653, JUN 2019, vol. 6, no. 6., Registrované v: WOS
11. [1.1] CORDERO-CID, A. - HERNANDEZ-SANCHEZ, J. - KEUS, V. - MORETTI, S. - ROJAS, D. - SOKOLOWSKA, D. Lepton collider indirect signatures of dark CP-violation. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 17 2020, vol. 80, no. 2., Registrované v: WOS
12. [1.1] DAWSON, Sally - ISMAIL, Ahmed. Standard model EFT corrections to Z boson decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 093003., Registrované v: WOS
13. [1.1] DAWSON, S. - GIARDINO, P. P. Electroweak corrections to Higgs boson decays to $\gamma\gamma$ and $W^+ W^-$ in standard model EFT. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095005., Registrované v: WOS

14. [1.1] DENIZLI, H. - OYULMAZ, K.Y. - SENOL, A. Testing for observability of Higgs effective couplings in triphoton production at FCC-hh. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, OCT 2019, vol. 46, no. 10., Registrované v: WOS
15. [1.1] FUKS, B. - NEMEVSEK, M. - RUIZ, R. Doubly charged Higgs boson production at hadron colliders. In PHYSICAL REVIEW D. ISSN 1550-7998, APR 13 2020, vol. 101, no. 7., Registrované v: WOS
16. [1.1] FUKS, B. - NORDSTROM, K. - RUIZ, R. - WILLIAMSON, S.L. Sleptons without hadrons. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 11 2019, vol. 100, no. 7., Registrované v: WOS
17. [1.1] HERRERO, M. - MORALES, R.A. Anatomy of Higgs boson decays into gamma gamma and gamma Z within the electroweak chiral Lagrangian in the R-xi gauges. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 28 2020, vol. 102, no. 7., Registrované v: WOS
18. [1.1] HUANG, F.P. - SENAHA, E. Enhanced Z boson decays as a new probe of first-order electroweak phase transition at future lepton colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 16 2019, vol. 100, no. 3., Registrované v: WOS
19. [1.1] HUNG, H.T. - HONG, T.T. - PHUONG, H.H. - MAI, H.L.T. - HUE, L.T. Neutral Higgs boson decays $H \rightarrow Z \gamma \gamma \gamma$ in 3-3-1 models. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS
20. [1.1] CHAKRABORTY, I. - ROY, H. Type-I thermal leptogenesis in Z3-symmetric three Higgs doublet model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 9 2020, vol. 80, no. 11., Registrované v: WOS
21. [1.1] CHATTERJEE, S. - DAS, A. - SAMUI, T. - SEN, M. Mixed WIMP-axion dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 31 2019, vol. 100, no. 11., Registrované v: WOS
22. [1.1] KACHANOVICH, A. - NIERSTE, U. - NISANDZIC, I. Higgs boson decay into a lepton pair and a photon revisited. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 16 2020, vol. 101, no. 7., Registrované v: WOS
23. [1.1] KANG, Sin Kyu - QIAN, Zhuoni - SONG, Jeonghyeon - YOON, Yeo Woong. Confronting the fourth generation two-Higgs-doublet model with the phenomenology of heavy Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095025., Registrované v: WOS
24. [1.1] KARADENIZ, O. - SENOL, A. - OYULMAZ, K.Y. - DENIZLI, H. CP-violating Higgs-gauge boson couplings in $H \nu(\nu)\overline{\nu}$ production at three energy stages of CLIC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 11 2020, vol. 80, no. 3., Registrované v: WOS
25. [1.1] KEUS, V. Dark CP violation through the Z portal. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 29 2020, vol. 101, no. 7., Registrované v: WOS
26. [1.1] KRAML, S. - LOC, T.Q. - NHUNG, D.T. - NINH, L.D. Constraining new physics from Higgs measurements with Lilith: update to LHC Run 2 results. In SCIPOST PHYSICS. ISSN 2542-4653, OCT 2019, vol. 7, no. 4., Registrované v: WOS
27. [1.1] MONNI, P.F. - ROTTOLI, L. - TORRIELLI, P. Higgs Transverse Momentum with a Jet Veto: A Double-Differential Resummation. In

- PHYSICAL REVIEW LETTERS. ISSN 0031-9007, JUN 26 2020, vol. 124, no. 25., Registrované v: WOS
28. [1.1] PONGKITIVANICHKUL, C. - THONGYOI, N. - UTTAYARAT, P. Inverse seesaw mechanism and portal dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 28 2019, vol. 100, no. 3., Registrované v: WOS
29. [1.1] RAHILI, L. - ARHRIB, A. - BENBRIK, R. Associated production of SM Higgs with a photon in type-II seesaw models at the ILC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
30. [1.1] RESTREPO, D. - RIVERA, A. - TANGARIFE, W. Singlet-doublet Dirac dark matter and neutrino masses. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 26 2019, vol. 100, no. 3., Registrované v: WOS
31. [1.1] SAEZ, B.D. - ROJAS-ABATTE, F. - ZERWEKH, A.R. Dark matter from a vector field in the fundamental representation of SU(2)(L). In PHYSICAL REVIEW D. ISSN 2470-0010, APR 24 2019, vol. 99, no. 7., Registrované v: WOS
32. [1.1] SENAHA, E. Radiative corrections to triple Higgs coupling and electroweak phase transition: Beyond one-loop analysis. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 24 2019, vol. 100, no. 5., Registrované v: WOS
33. [1.1] SUN, P. - YUAN, C.R. - YUAN, F. Soft gluon resummation in Higgs boson plus two jet production at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2019, vol. 797., Registrované v: WOS
34. [1.1] TREESUKRAT, W. - UTTAYARAT, P. Dark matter from the inert Higgs doublet model. In SIAM PHYSICS CONGRESS 2019 (SPC2019): PHYSICS BEYOND DISRUPTION SOCIETY. ISSN 1742-6588, 2019, vol. 1380., Registrované v: WOS

ADCA604 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Measurements of charge and CP asymmetries in b-hadron decays using top-quark events collected by the ATLAS detector in pp collisions at $\sqrt{s}=8$ TeV. In *Journal of High Energy Physics*, 2017, no. 2, art. no. 071. (2016: 6.063 - IF, Q1 - JCR, 1.163 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1029-8479.

Ohlasy:

1. [1.1] GIARDINO, Pier Paolo - ZHANG, Cen. Probing the top-quark width using the charge identification of b jets. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 011901., Registrované v: WOS
2. [1.1] SOZZI, M.S. Tests of discrete symmetries. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JAN 2020, vol. 47, no. 1., Registrované v: WOS

ADCA605 AABOUD, M. - AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurements of inclusive and differential fiducial cross-sections of $t(\bar{t})\gamma$ production in leptonic final states at $\sqrt{s}=13$ TeV in ATLAS. In *European Physical Journal C*, 2019, vol. 79, no. 5, art. no. 382. (2018: 4.843 - IF, Q1 - JCR, 1.972 - SJR, Q1 - SJR, Current Contents -

CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na:
<https://doi.org/10.1140/epjc/s10052-019-6849-6>

Ohlasy:

1. [1.1] BEVILACQUA, G. - HARTANTO, H.B. - KRAUS, M. - WEBER, T. - WOREK, M. Off-shell vs on-shell modelling of top quarks in photon associated production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 26 2020, no. 3., Registrované v: WOS
2. [1.1] ETESAMI, S.M. - ROKNABADI, E.D. Probing the nonstandard top-gluon couplings through $t(\bar{t})\gamma\gamma$ production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 17 2019, vol. 100, no. 1., Registrované v: WOS
3. [1.1] MELNIKOV, K. - RIETKERK, R. - TANCREDI, L. - WEVER, C. Triple-real contribution to the quark beam function in QCD at next-to-next-to-next-to-leading order. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 10 2019, no. 6., Registrované v: WOS

ADCA606 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurements of integrated and differential cross sections for isolated photon pair production in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Physical Review D*, 2017, vol. 95, no. 11, art. no. 112005. (2016: 4.557 - IF, Q1 - JCR, 2.115 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na:
<https://doi.org/10.1103/PhysRevD.95.112005>

Ohlasy:

1. [1.1] CORADESCHI, F. - CRIDGE, T. reSolve - A transverse momentum resummation tool. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, MAY 2019, vol. 238, p. 262-294., Registrované v: WOS
2. [1.1] HOOK, A. - KUMAR, S. - LIU, Z. - SUNDRUM, R. High Quality QCD Axion and the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, JUN 1 2020, vol. 124, no. 22., Registrované v: WOS
3. [1.1] MARIOTTI, Alberto - REDIGOLO, Diego - SALA, Filippo - TOBIOKA, Kohsaku. New LHC bound on low-mass diphoton resonances. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 13-18., Registrované v: WOS

ADCA607 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. In *European Physical Journal C*, 2014, vol. 74, no. 11, art. no. 3117. (2013: 5.436 - IF, Q1 - JCR, 2.323 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na:
<https://doi.org/10.1140/epjc/s10052-014-3117-7>

Ohlasy:

1. [1.1] ANDERSEN, Jeppe R. - BROOKS, Helen M. - LONNBLAD, Leif. Merging high energy with soft and collinear logarithms using HEJ and PYTHIA. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 074., Registrované v: WOS
2. [1.1] BALSIGER, Marcel - BECHER, Thomas - SHAO, Ding Yu.

Non-global logarithms in jet and isolation cone cross sections. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 104., Registrované v: WOS

3. [1.1] BANSAL, S. - VAN HAEVERMAET, H. Forward physics results on jet production and energy flow at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, FEB 10 2020, vol. 35, no. 4., Registrované v: WOS

4. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS

5. [1.1] CAPOREALE, F. - CELIBERTO, F. G. - CHACHAMIS, G. - GORDO GOMEZ, D. - SABIO VERA, A. Inclusive four-jet production at 7 and 13 TeV: Azimuthal profile in multi-Regge kinematics. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 77, no. 1, art. no. 5., Registrované v: WOS

6. [1.1] EGOROV, A.Y. - BERDNIKOV, Y.A. ASYMPTOTIC EFFECTS IN DIJET PRODUCTION IN PROTON-PROTON COLLISIONS AT EXTREMELY HIGH ENERGIES. In ST PETERSBURG POLYTECHNIC UNIVERSITY JOURNAL-PHYSICS AND MATHEMATICS. ISSN 2405-7223, 2019, vol. 12, no. 2, p. 121-129., Registrované v: WOS

7. [1.1] GOLEC-BIERNAT, Krzysztof - MOTYKA, Leszek - STEBEL, Tomasz. Forward Drell-Yan and backward jet production as a probe of the BFKL dynamics. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 091., Registrované v: WOS

8. [1.1] GOLEC-BIERNAT, K. - MOTYKA, L. - STEBEL, T. PROBING BFKL DYNAMICS WITH FORWARD DRELL-YAN LEPTON-PAIR AND BACKWARD JET. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 4, p. 897-902., Registrované v: WOS

9. [1.1] PLAETZER, Simon - SJODAHL, Malin - THOREN, Johan. Color matrix element corrections for parton showers. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 009., Registrované v: WOS

ADCA608 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Measurements of long-range azimuthal anisotropies and associated Fourier coefficients for pp collisions at $\sqrt{s}=5.02$ and 13 TeV and p plus Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV with the ATLAS detector. In *Physical Review C*, 2017, vol. 96, no. 2, art. no. 024908. (2016: 3.820 - IF, Q1 - JCR, 1.936 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.96.024908>

Ohlasy:

1. [1.1] AGOSTINI, P. - ALTINOLUK, T. - ARMESTO, N. Effect of non-eikonal corrections on azimuthal asymmetries in the color glass condensate. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 2019, vol. 79, no. 9., Registrované v: WOS

2. [1.1] AGOSTINI, P. - ALTINOLUK, T. - ARMESTO, N. Non-eikonal corrections to multi-particle production in the color glass

- condensate. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 16 2019, vol. 79, no. 7., Registrované v: WOS
3. [1.1] ALTINOLUK, Tolga - ARMESTO, Nestor - KOVNER, Alex - LUBLINSKY, Michael. Double and triple inclusive gluon production at mid rapidity: quantum interference in p-A scattering. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 702., Registrované v: WOS
 4. [1.1] ALTINOLUK, T. - ARMESTO, N. Particle correlations from the initial state. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, AUG 26 2020, vol. 56, no. 8., Registrované v: WOS
 5. [1.1] ARMESTO, Nestor. Small collision systems: Theory overview on cold nuclear matter effects. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 11001., Registrované v: WOS
 6. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
 7. [1.1] BOZEK, Piotr - BRONIOWSKI, Wojciech. Longitudinal decorrelation measures of flow magnitude and event-plane angles in ultrarelativistic nuclear collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034913., Registrované v: WOS
 8. [1.1] BUSZA, Wit - RAJAGOPAL, Krishna - VAN DER SCHEE, Wilke. Heavy Ion Collisions: The Big Picture and the Big Questions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 68. ISSN 0163-8998, 2018, vol. 68, pp. 339-376., Registrované v: WOS
 9. [1.1] BZDAK, Adam - MA, Guo-Liang. Elliptic flow coefficients from transverse momentum conservation. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 1, art. no. 014903., Registrované v: WOS
 10. [1.1] DUNCAN, C.B. - SKANDS, P. Fragmentation of two repelling Lund strings. In SCIPOST PHYSICS. ISSN 2542-4653, MAY 2020, vol. 8, no. 5., Registrované v: WOS
 11. [1.1] GOTSMAN, E. - LEVIN, E. Azimuthal angle correlations at large rapidities: revisiting density variation mechanism. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 11, art. no. 773., Registrované v: WOS
 12. [1.1] GOTSMAN, E. - LEVIN, E. - POTASHNIKOVA, I. A CGC/saturation approach for angular correlations in proton-proton scattering. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 632., Registrované v: WOS
 13. [1.1] HUNT-SMITH, N. - SKANDS, P. String fragmentation with a time-dependent tension. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2020, vol. 80, no. 11., Registrované v: WOS
 14. [1.1] KIREYEU, V. - GRISHMANOVSKII, I. - KOLESNIKOV, V. - VORONYUK, V. - BRATKOVSKAYA, E. Hadron production in elementary nucleon-nucleon reactions from low to ultra-relativistic energies. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, SEP 4 2020, vol. 56, no. 9., Registrované v: WOS
 15. [1.1] NAGLE, J.L. - KOOP, J.O. A Quasiparticle Transport Explanation for Collectivity in the Smallest of Collision Systems (p plus p and

e(+)e(-)). In NUCLEAR PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 455-458., Registrované v: WOS

16. [1.1] RU, P. - ZHANG, W.N. Long-range azimuthal correlations for partially coherent pion emission in proton-proton collisions. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS

17. [1.1] TOKAREV, M. - KECHECHYAN, A. - ZBOROVSKY, I. Validation of z-scaling for negative particle production in Au plus Au collisions from BES-I at STAR. In NUCLEAR PHYSICS A. ISSN 0375-9474, JAN 2020, vol. 993., Registrované v: WOS

18. [1.1] ZHAO, Wenbin - ZHOU, You - XU, Hao-jie - DENG, Weitian - SONG, Huichao. Hydrodynamic collectivity in proton-proton collisions at 13 TeV. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 780, pp. 495-500., Registrované v: WOS

19. [1.1] ZHAO, W.B. - ZHOU, Y. - MURASE, K. - SONG, H.C. Searching for small droplets of hydrodynamic fluid in proton-proton collisions at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 12 2020, vol. 80, no. 9., Registrované v: WOS

ADCA609 ACHARYA, S. - ACOSTA, F.T. - ADAMOVIĆ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Measurements of low-p(T) electrons from semileptonic heavy-flavour hadron decays at mid-rapidity in pp and Pb-Pb collisions at root s(NN)=2.76 TeV. In *Journal of High Energy Physics*, 2018, no. 10, art. no. 061. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1029-8479.

Ohlasy:

1. [1.1] LAN, J.S. - MONDAL, C. - LI, M.J. - LI, Y. - TANG, S. - ZHAO, X.B. - VARY, J.P. Parton distribution functions of heavy mesons on the light front. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 13 2020, vol. 102, no. 1., Registrované v: WOS

ADCA610 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurements of normalized differential cross sections for t(t)over-bar production in pp collisions at root(s)=7 TeV using the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2014, vol. 90, no. 7, art. no. 072004. (2013: 4.864 - IF, Q1 - JCR, 2.482 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.90.072004>

Ohlasy:

1. [1.1] AZIZI, M. - KHORRAMIAN, A. - ABDOLMALEKI, H. Impact of the top quark cross-section data on parton distribution functions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 24, art. no. 1850142., Registrované v: WOS

2. [1.1] CZAKON, Michal - HEYMES, David - MITOV, Alexander. High-Precision Differential Predictions for Top-Quark Pairs at the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 8, art. no. 082003., Registrované v: WOS

3. [1.1] CZAKON, Michal - MITOV, Alexander - ROJO, Juan. Summary of the Topical Workshop on Top Quark Differential Distributions 2014. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS.

- ISSN 0954-3899, 2016, vol. 43, no. 1, art. no. 015004., Registrované v: WOS
4. [1.1] FROLOV, I. V. - MARTYNOV, M. V. - SMIRNOV, A. D. Resonance contribution of scalar color octet to $t\bar{t}$ production at the LHC in the minimal four-color quark-lepton symmetry model. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 39, art. no. 1650224., Registrované v: WOS
5. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS
6. [1.1] TOKAREV, Mikhail - ZBOROVSKY, Imrich. Top-Quark $p(T)$ -Spectra at LHC and Flavor Independence of z -Scaling. In XLVI INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2016). ISSN 2100-014X, 2017, vol. 141, art. no. UNSP 02006., Registrované v: WOS
7. [1.1] TOKAREV, M.V. - ZBOROVSKY, I. - KECHECHYAN, A.O. - DEDOVICH, T.G. Verification of z -Scaling in p plus p , p and Au plus Au Collisions at RHIC, Tevatron and LHC. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, MAR 2020, vol. 51, no. 2, p. 141-171., Registrované v: WOS
8. [1.1] WAGNER-KUHR, Jeannine. EXPERIMENTAL STUDIES OF TOP QUARK PRODUCTION. In ACTA PHYSICA SLOVACA. ISSN 0323-0465, 2016, vol. 66, no. 1, pp. 1-68., Registrované v: WOS
9. [1.1] WEI, Hua-Rong - LIU, Fu-Hu. A Study of Transverse Momentum Distributions of Jets Produced in p - p , p -(p)over-bar, d-Au, Au-Au, and Pb-Pb Collisions at High Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 263135., Registrované v: WOS

ADCA611 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Measurements of $\psi(2S)$ and $X(3872) \rightarrow J/\psi \pi^+ \pi^-$ production in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2017, no. 1, art. no. 117. (2016: 6.063 - IF, Q1 - JCR, 1.163 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP01\(2017\)117](https://doi.org/10.1007/JHEP01(2017)117)

Ohlasy:

1. [1.1] ALBALADEJO, M. - BLIN, A.N.H. - PILLONI, A. - WINNEY, D. - FERNANDEZ-RAMIREZ, C. - MATHIEU, V. - SZCZEPANIAK, A. XYZ spectroscopy at electron-hadron facilities: Exclusive processes. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 7 2020, vol. 102, no. 11., Registrované v: WOS
2. [1.1] BRAATEN, E. - HE, L.P. - INGLES, K. Estimates of the $X(3872)$ cross section at a hadron collider. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 21 2019, vol. 100, no. 9., Registrované v: WOS
3. [1.1] BRAATEN, E. - HE, L.P. - INGLES, K. Production of $X(3872)$ accompanied by a soft pion at hadron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 12 2019, vol. 100, no. 9., Registrované v: WOS
4. [1.1] BRAMBILLA, N. - EIDELMAN, S. - HANHART, C. - NEFEDIEV, A. - SHEN, C.P. - THOMAS, C.E. - VAIRO, A. - YUAN, C.Z. The XYZ states: Experimental and theoretical status and perspectives. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573,

AUG 20 2020, vol. 873, p. 1-154., Registrované v: WOS

5. [1.1] BUTENSCHOEN, M. - HE, Z.G. - KNIEHL, B.A. Deciphering the X(3872) via its Polarization in Prompt Production at the CERN LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, JUL 17 2019, vol. 123, no. 3., Registrované v: WOS

6. [1.1] KARLINER, Marek - ROSNER, Jonathan L. - SKWARNICKI, Tomasz. Multiquark States. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 68. ISSN 0163-8998, 2018, vol. 68, pp. 17-44., Registrované v: WOS

7. [1.1] ORTEGA, Pablo G. - ENTEM, David R. - FERNANDEZ, Francisco - RUIZ ARRIOLA, Enrique. Counting states and the Hadron Resonance Gas: Does X(3872) count? In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 781, pp. 678-683., Registrované v: WOS

8. [1.1] POPOV, A.V. Search for and Study of Exotic Hadrons in the Fermilab D0 Experiment: Recent Results. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, DEC 2020, vol. 83, no. 9, p. 1383-1390., Registrované v: WOS

ADCA612 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurements of spin correlation in top-antitop quark events from proton-proton collisions at root s=7 TeV using the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2014, vol. 90, no. 11, art. no. 112016. (2013: 4.864 - IF, Q1 - JCR, 2.482 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Ohlasy:

1. [1.1] AN, Haipeng - WANG, Lian-Tao. Opening Up the Compressed Region of Top Squark Searches at 13 TeV LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 18, art. no. 181602., Registrované v: WOS

2. [1.1] BEHRING, A. - CZAKON, M. - MITOV, A. - PONCELET, R. - PAPANASTASIOU, A.S. Higher Order Corrections to Spin Correlations in Top Quark Pair Production at the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, AUG 21 2019, vol. 123, no. 8., Registrované v: WOS

3. [1.1] BERNREUTHER, Werner - UWER, Peter. Top-quark physics at colliders. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2015, vol. 261, pp. 414-442., Registrované v: WOS

4. [1.1] GODBOLE, Rohini M. - MENDIRATTA, Gaurav - RINDANI, Saurabh D. Looking for BSM physics using top-quark polarization and decay-lepton kinematic asymmetries. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 094013., Registrované v: WOS

5. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS

6. [1.1] SAHA, Pratishruti - KIERS, Ken - BHATTACHARYA, Bhubanjyoti - LONDON, David - SZYNKMAN, Alejandro - MELENDEZ, Jordan. Measuring CP-violating observables in rare top decays at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 054044., Registrované v: WOS

7. [1.1] ZHANG YAN-MING - LIU NING. SUSY-QCD Effects in Top Quark Pair Production in Association with a Gluon at the ILC. In

ADCA613 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Measurements of the Angular Distributions of Muons from gamma Decays in $p(\bar{p})$ Collisions at $\sqrt{s}=1.96$ TeV. In *Physical Review Letters*, 2012, vol. 108, no. 15, art. no. 151802. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.108.151802>

Ohlasy:

1. [1.1] FENG YU - GONG BIN - WAN LU-PING - WANG JIAN-XIONG. An updated study of Upsilon production and polarization at the Tevatron and LHC. In CHINESE PHYSICS C. ISSN 1674-1137, 2015, vol. 39, no. 12, art. no. 123102., Registrované v: WOS

ADCA614 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Measurements of the Angular Distributions in the Decays $B \rightarrow K^{(*)}\mu^{+}\mu^{-}$ at CDF. In *Physical Review Letters*, 2012, vol. 108, no. 8, art. no. 081807. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.108.081807>

Ohlasy:

1. [1.1] AHMADY, Mohammad - HATFIELD, Dan - LORD, Sebastien - SANDAPEN, Ruben. Effect of $c(\bar{c})$ resonances in the branching ratio and forward-backward asymmetry of the decay $B \rightarrow K^{*}\mu^{+}\mu^{-}$. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 114028., Registrované v: WOS

2. [1.1] ALTMANNSHOFER, Wolfgang - STRAUB, David M. New physics in $b \rightarrow s$ transitions after LHC run 1. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 8, art. no. 382., Registrované v: WOS

3. [1.1] BRICENO, Raul A. - HANSEN, Maxwell T. Multichannel $0 \rightarrow 2$ and $1 \rightarrow 2$ transition amplitudes for arbitrary spin particles in a finite volume. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 074509., Registrované v: WOS

4. [1.1] BRICENO, Raul A. - HANSEN, Maxwell T. - WALKER-LOUD, Andre. Multichannel $1 \rightarrow 2$ transition amplitudes in a finite volume. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 034501., Registrované v: WOS

5. [1.1] DESCOTES-GENON, Sebastien - VIRTO, Javier. Time dependence in $B \rightarrow V \ell \ell$ decays. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 045., Registrované v: WOS

6. [1.1] GERSHON, Timothy - NEEDHAM, Matthew. Heavy flavour physics at the LHC. In COMPTES RENDUS PHYSIQUE. ISSN 1631-0705, 2015, vol. 16, no. 4, pp. 435-447., Registrované v: WOS

7. [1.1] GUEVARA, A. - LOPEZ CASTRO, G. - ROIG, P. - TOSTADO, S. L. Long-distance weak annihilation contribution to the $B \rightarrow \pi^{+/-} K^{+/-} \ell^{+} \ell^{-}$ decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 5, art. no. 054035., Registrované v: WOS

8. [1.1] KHOSRAVI, R. Form factors and branching ratios of the FCNC

$B \rightarrow a(1)l^{(+)}l^{(-)}$ decays. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 220., Registrované v: WOS

ADCA615 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurements of the electron and muon inclusive cross-sections in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *Physics Letters B*, 2012, vol. 707, no. 5, p. 438-458. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1007/s12043-012-0378-2>

Ohlasy:

1. [1.1] CACCIARI, Matteo - MANGANO, Michelangelo L. - NASON, Paolo. Gluon PDF constraints from the ratio of forward heavy-quark production at the LHC at $\sqrt{s}=7$ and 13 TeV. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 12, art. no. 610., Registrované v: WOS
2. [1.1] KROLL, I. Joseph. Electron Identification. In ROAD TO DISCOVERY: DETECTOR ALIGNMENT, ELECTRON IDENTIFICATION, PARTICLE MISIDENTIFICATION, WW PHYSICS, AND THE DISCOVERY OF THE HIGGS BOSON. ISSN 2190-5053, 2015, pp. 101-127., Registrované v: WOS
3. [1.1] PRINO, Francesco - RAPP, Ralf. Open heavy flavor in QCD matter and in nuclear collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 9, art. no. 093002., Registrované v: WOS

ADCA616 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurements of the Higgs boson production and decay rates and coupling strengths using pp collision data at $\sqrt{s}=7$ and 8 TeV in the ATLAS experiment. In *European Physical Journal C*, 2016, vol. 76, no. 1, art. no. 6. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-015-3769-y>

Ohlasy:

1. [1.1] ABDUSSALAM, S. - CABRERA, M.E. Revealing mass-degenerate states in Higgs boson signals. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 2019, vol. 79, no. 12., Registrované v: WOS
2. [1.1] ABDUSSALAM, S.S. Testing Higgs boson scenarios in the phenomenological NMSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 25 2019, vol. 79, no. 5., Registrované v: WOS
3. [1.1] ALMEIDA, E.D. - ALVES, A. - ROSA-AGOSTINHO, N. - EBOLI, O.J.P. - GONZALEZ-GARCIA, M.C. Electroweak sector under scrutiny: A combined analysis of LHC and electroweak precision data. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 6 2019, vol. 99, no. 3., Registrované v: WOS
4. [1.1] ANGELESCU, Andrei - ARCADI, Giorgio. Dark matter phenomenology of SM and enlarged Higgs sectors extended with vector-like leptons. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 7, art. no. 456., Registrované v: WOS

5. [1.1] BARMAN, B. - BANIK, A.D. - PAUL, A. Singlet-doublet fermionic dark matter and gravitational waves in a two-Higgs-doublet extension of the Standard Model. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 24 2020, vol. 101, no. 5., Registrované v: WOS
6. [1.1] BASLER, P. - KRAUSE, M. - MUELLEITNER, M. - WITTBRODT, J. - WLOTZKA, A. Strong first order electroweak phase transition in the CP-conserving 2HDM revisited. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 2, art. no. 121., Registrované v: WOS
7. [1.1] BASLER, P. - MEUHLEITNER, M. - WITTBRODT, J. The CP-violating 2HDM in light of a strong first order electroweak phase transition and implications for Higgs pair production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 061., Registrované v: WOS
8. [1.1] BHARDWAJ, A. - KONAR, P. - MANDAL, T. - SADHUKHAN, S. Probing the inert doublet model using jet substructure with a multivariate analysis. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 30 2019, vol. 100, no. 5., Registrované v: WOS
9. [1.1] BIONDI, Silvia. Study of the associated production of the Higgs boson with a top quark pair in a boosted regime in the ATLAS experiment. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 11, art. no. 462., Registrované v: WOS
10. [1.1] BLASI, Simone - DE CURTIS, Stefania - YAGYU, Kei. Extracting the mass scale of a second Higgs boson from a deviation in $h(125)$ couplings. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 9, art. no. 091., Registrované v: WOS
11. [1.1] BONVINI, Marco - MARZANI, Simone. Double Resummation for Higgs Production. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 20, art. no. 202003., Registrované v: WOS
12. [1.1] BRIVIO, I. - TROTT, M. The standard model as an effective field theory. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, FEB 27 2019, vol. 793, p. 1-98., Registrované v: WOS
13. [1.1] BUCHALLA, G. - CAPOZI, M. - CELIS, A. - HEINRICH, G. - SCYBOZ, L. Higgs boson pair production in non-linear Effective Field Theory with full $m(t)$ dependence at NLO QCD. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 057., Registrované v: WOS
14. [1.1] COLLABORATION, Cms. Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at root $s=8$ TeV using $H \rightarrow WW$ decays. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 032., Registrované v: WOS
15. [1.1] DE BLAS, Jorge - EBERHARDT, Otto - KRAUSE, Claudius. Current and future constraints on Higgs couplings in the nonlinear Effective Theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 048., Registrované v: WOS
16. [1.1] DEGRASSI, G. - FEDELE, M. - GIARDINO, P. P. Constraints on the trilinear Higgs self coupling from precision observables. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, art. no. 155., Registrované v: WOS
17. [1.1] DEUTSCHMANN, N. - MALTONI, F. - WIESEMANN, M. - ZARO, M. Top-Yukawa contributions to bbH production at the LHC. In

JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 10 2019, no. 7., Registrované v: WOS

18. [1.1] DIAZ-CRUZ, J.L. The Higgs profile in the standard model and beyond. In REVISTA MEXICANA DE FISICA. ISSN 0035-001X, SEP-OCT 2019, vol. 65, no. 5, p. 419-439., Registrované v: WOS

19. [1.1] DONG, P. V. - HUONG, D. T. - LOI, D. V. - NHUAN, N. T. - NGAN, N. T. K. Phenomenology of the SU(3)(C) circle times SU(2)(L) circle times SU(3)(R) circle times U(1)(X) gauge model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075034., Registrované v: WOS

20. [1.1] DONG, P.V. - NGAN, N.T.K. - THAM, T.D. - THIEN, L.D. - THUY, N.T. Phenomenology of the simple 3-3-1 model with inert scalars. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 23 2019, vol. 99, no. 9., Registrované v: WOS

21. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS

22. [1.1] ELLIS, John - MURPHY, Christopher W. - SANZ, Veronica - YOU, Tevong. Updated global SMEFT fit to Higgs, diboson and electroweak data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 146., Registrované v: WOS

23. [1.1] FALKOWSKI, A. - STRAUB, D. Flavourful SMEFT likelihood for Higgs and electroweak data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 14 2020, no. 4., Registrované v: WOS

24. [1.1] FERREIRA, J. G. - PIRES, C. A. de S. - DA SILVA, P. S. Rodrigues - SIQUEIRA, Clarissa. On the Higgs-like boson in the minimal supersymmetric 3-3-1 model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 225., Registrované v: WOS

25. [1.1] FOMIN, I. V. - CHERVON, S. V. Exact Inflation in Einstein-Gauss-Bonnet Gravity. In GRAVITATION & COSMOLOGY. ISSN 0202-2893, 2017, vol. 23, no. 4, pp. 367-374., Registrované v: WOS

26. [1.1] GAO, Christina - LUTY, Markus A. - MULHEARN, Michael - NEILL, Nicolas A. - WANG, Zhangqier. Searching for additional Higgs bosons via Higgs cascades. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075040., Registrované v: WOS

27. [1.1] GARCIA-JIMENEZ, I. - MONTANO, J. - NAPOLES-CANEDO, G. - NOVALES-SANCHEZ, H. - TOSCANO, J.J. - TUTUTI, E.S. Diphoton Higgs signal strength in universal extra dimensions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, OCT 2020, vol. 47, no. 10., Registrované v: WOS

28. [1.1] GHOSH, A. - MONDAL, T. - MUKHOPADHYAYA, B. Right sneutrino with Delta L=2 masses as nonthermal dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 15 2019, vol. 99, no. 3., Registrované v: WOS

29. [1.1] HAGIWARA, Kaoru - YOKOYA, Hiroshi - ZHENG, YaJuan. Probing the CP properties of top Yukawa coupling at an e(+)e(-) collider. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 180., Registrované v: WOS

30. [1.1] HARNIK, Roni - HOWE, Kiel - KEARNEY, John. Tadpole-induced electroweak symmetry breaking and pNGB Higgs models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 111.,

Registrované v: WOS

31. [1.1] HENG, Zhaoxia - GONG, Xue - ZHOU, Haijing. Pair production of Higgs boson in NMSSM at the LHC with the next-to-lightest CP-even Higgs boson being SM-like. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 7, art. no. 073103., Registrované v: WOS
32. [1.1] CHIANG, C.W. - LU, B.Q. First-order electroweak phase transition in a complex singlet model with $Z(3)$ symmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 13 2020, no. 7., Registrované v: WOS
33. [1.1] ISLAM, R. - KUMAR, M. - RAWOOT, V. kT-factorization approach to the Higgs boson production in $Z \rightarrow 4$ channel at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 28 2019, vol. 79, no. 3., Registrované v: WOS
34. [1.1] JAIN, R. - KAO, C. Charming top decays with a flavor changing neutral Higgs boson and WW at hadron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 27 2019, vol. 99, no. 5., Registrované v: WOS
35. [1.1] JEONG, K.S. - JUNG, T.H. - SHIN, C.S. Axionic electroweak baryogenesis. In PHYSICS LETTERS B. ISSN 0370-2693, MAR 10 2019, vol. 790, p. 326-331., Registrované v: WOS
36. [1.1] JIANG, X.M. - CAI, C.F. - YU, Z.H. - ZENG, Y.P. - ZHANG, H.H. Pseudo-Nambu-Goldstone dark matter and two-Higgs-doublet models. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 10 2019, vol. 100, no. 7., Registrované v: WOS
37. [1.1] KAWAMURA, Junichiro - OMURA, Yuji. Analysis of the TeV-scale mirage mediation with heavy superparticles. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 11, art. no. 189., Registrované v: WOS
38. [1.1] KRAUSE, Marcel - MUEHLLEITNER, Margarete - SANTOS, Rui - ZIESCHE, Hanna. Higgs-to-Higgs boson decays in a 2HDM at next-to-leading order. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075019., Registrované v: WOS
39. [1.1] LENZ, Alexander - SPANNOVSKY, Michael - TETLALMATZI-XOLOCOTZI, Gilberto. Double-charming Higgs boson identification using machine-learning assisted jet shapes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 016001., Registrované v: WOS
40. [1.1] MAHAJAN, Shubhangi - PATHARKAR, Abhimanyu - KUCHE, Kaushik - MAHESHWARI, Rahul - DEB, Pran Kishore - KALIA, Kiran - TEKADE, Rakesh K. Functionalized carbon nanotubes as emerging delivery system for the treatment of cancer. In INTERNATIONAL JOURNAL OF PHARMACEUTICS. ISSN 0378-5173, 2018, vol. 548, no. 1, pp. 540-558., Registrované v: WOS
41. [1.1] MCDOWALL, John - MILLER, David J. High scale boundary conditions with an additional complex singlet. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115042., Registrované v: WOS
42. [1.1] MCDOWALL, J. - MILLER, D.J. High scale boundary conditions in models with two Higgs doublets. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 15 2019, vol. 100, no. 1., Registrované v: WOS
43. [1.1] MCDOWELL, J. - MILLER, D.J. The Multiple Point Principle

and Extended Higgs Sectors. In FRONTIERS IN PHYSICS. ISSN 2296-424X, SEP 20 2019, vol. 7., Registrované v: WOS

44. [1.1] MONDINI, R. - SCHUBERT, U. - WILLIAMS, C. Top-induced contributions to $itH/it \rightarrow b\overline{b}$ and $itH/it \rightarrow c\overline{c}$ at $O(\alpha_s^3)$. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 9 2020, no. 12., Registrované v: WOS

45. [1.1] MUEHLLEITNER, Margarete - SAMPAIO, Marco O. P. - SANTOS, Rui - WITTBRODT, Jonas. Phenomenological comparison of models with extended Higgs sectors. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 132., Registrované v: WOS

46. [1.1] MUEHLLEITNER, Margarete - SAMPAIO, Marco O. P. - SANTOS, Rui - WITTBRODT, Jonas. The N2HDM under theoretical and experimental scrutiny. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 094., Registrované v: WOS

47. [1.1] NAKAMURA, Junya. Polarisation of the Z and W bosons in the processes $pp \rightarrow ZH$ and $pp \rightarrow (WH)-H-/+$. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 008., Registrované v: WOS

48. [1.1] NEUMANN, Tobias. NLO Higgs+jet production at large transverse momenta including top quark mass effects. In JOURNAL OF PHYSICS COMMUNICATIONS. ISSN 2399-6528, 2018, vol. 2, no. 9, art. no. 095017., Registrované v: WOS

49. [1.1] PAUL, A. - BANERJEE, B. - MAJUMDAR, D. Gravitational wave signatures from an extended inert doublet dark matter model. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, OCT 2019, no. 10., Registrované v: WOS

50. [1.1] PAUL, A. - MAJUMDAR, D. - BANIK, A.D. Signatures of synchrotron radiation from the annihilation of dark matter at the Galactic Centre. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, MAY 2019, no. 5., Registrované v: WOS

51. [1.1] RAISSI, D.H. - TIZCHANG, S. - NAJAFABADI, M.M. Loop induced singlet scalar production through the vector like top quark at future lepton colliders. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JUL 2020, vol. 47, no. 7., Registrované v: WOS

52. [1.1] SHINDOU, T. A UV Picture of a Loop Induced Neutrino Mass Model and Its Phenomenological Consequences. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JAN 14 2019, vol. 6., Registrované v: WOS

53. [1.1] SONMEZ, Nasuf. Charged Higgs pair production in association with the Z(0) boson at electron-positron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 015015., Registrované v: WOS

54. [1.1] SONMEZ, Nasuf. Measuring the triple Higgs self-couplings in two Higgs doublet model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 083., Registrované v: WOS

55. [1.1] YU, Felix. Phenomenology of enhanced light quark Yukawa couplings and the $W(+/-)h$ charge asymmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 2, art. no. 083., Registrované v: WOS

ADCA617 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABELOOS, B. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurements of the Higgs boson production and decay rates and constraints on its couplings from a combined ATLAS and CMS analysis of the LHC pp collision data at $\sqrt{s}=7$ and 8 TeV. In *Journal of High Energy Physics*, 2016, vol. 2016, no. 8, art. no. 045. (2015: 6.023 - IF, Q1 - JCR, 1.343 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP08\(2016\)045](https://doi.org/10.1007/JHEP08(2016)045)

Ohlasy:

1. [1.1] ABDALLAH, W. - CHOUBEY, S. - KHAN, S. FIMP dark matter candidate(s) in a B - L model with inverse seesaw mechanism. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 19 2019, no. 6., Registrované v: WOS
2. [1.1] ABDUSSALAM, S. - CABRERA, M.E. Revealing mass-degenerate states in Higgs boson signals. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 2019, vol. 79, no. 12., Registrované v: WOS
3. [1.1] ABE, Y. - TOMA, T. - TSUMURA, K. Pseudo-Nambu-Goldstone dark matter from gauged U(1)(B-L) symmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 12 2020, no. 5., Registrované v: WOS
4. [1.1] AEBISCHER, J. - KUMAR, J. - STANGL, P. - STRAUB, D.M. A global likelihood for precision constraints and flavour anomalies. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 15 2019, vol. 79, no. 6., Registrované v: WOS
5. [1.1] AEIKENS, E.H. - FERREIRA, P.M. - GRIMUS, W. - JURCIUKONIS, D. - LAVOURA, L. Radiative seesaw corrections and charged-lepton decays in a model with soft flavour violation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 18 2020, no. 12., Registrované v: WOS
6. [1.1] AHMED, Aqeel - DUCH, Mateusz - GRZADKOWSKI, Bohdan - IGLICKI, Michal. Multi-component dark matter: the vector and fermion case. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 11, art. no. 905., Registrované v: WOS
7. [1.1] AHMED, Waqas - BI, Xiao-Jun - LI, Tianjun - NIU, Jia-Shu - RAZA, Shabbar - XIANG, Qian-Fei - YIN, Peng-Fei. Status of natural supersymmetry from the generalized minimal supergravity in light of the current LHC run-2 and LUX data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 015040., Registrované v: WOS
8. [1.1] ALANNE, Tommi - FRANZOSI, Diogo Buarque - FRANDSEN, Mads T. - KRISTENSEN, Mette L. A. - MERONI, Aurora - ROSENLYST, Martin. Partially composite Higgs models: phenomenology and RG analysis. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 1, art. no. 051., Registrované v: WOS
9. [1.1] ALANNE, T. - BENINCASA, N. - HEIKINHEIMO, M. - KANNIKE, K. - KEUS, V. - KOIVUNEN, N. - TUOMINEN, K. Pseudo-Goldstone dark matter: gravitational waves and direct-detection blind spots. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 13 2020, no. 10., Registrované v: WOS
10. [1.1] ALIOLI, Simone - DEKENS, Wouter - GIRARD, Michael -

MEREGHETTI, Emanuele. NLO QCD corrections to SM-EFT dilepton and electroweak Higgs boson production, matched to parton shower in POWHEG. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 205., Registrované v: WOS

11. [1.1] ALTMANNSHOFER, Wolfgang - MADDOCK, Brian. Flavorful two-Higgs-doublet models with a twist. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075005., Registrované v: WOS

12. [1.1] ALTMANNSHOFER, W. - MADDOCK, B. - PROFUMO, S. Doubly blind spots in scalar dark matter models. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 23 2019, vol. 100, no. 5., Registrované v: WOS

13. [1.1] ALVAREZ, E. - SZEWC, M. Nonresonant leptoquark with multigeneration couplings for $\mu\mu jj$ and $\mu\nu jj$ at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 9 2019, vol. 99, no. 9., Registrované v: WOS

14. [1.1] ALVES, A. - GHOSH, T. - GUO, H.K. - SINHA, K. - VAGIE, D. Collider and gravitational wave complementarity in exploring the singlet extension of the standard model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 5 2019, no. 4., Registrované v: WOS

15. [1.1] ALVES, A. - GONCALVES, D. - GHOSH, T. - GUO, H.K. - SINHA, K. Di-Higgs production in the 4b channel and gravitational wave complementarity. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 10 2020, no. 3., Registrované v: WOS

16. [1.1] AMHIS, Yasmine. On the universality (or not) of beautiful penguins. In COMPTES RENDUS PHYSIQUE. ISSN 1631-0705, 2017, vol. 18, no. 5-6, pp. 358-364., Registrované v: WOS

17. [1.1] ANGER, F. R. - CORDERO, F. Febres - ITA, H. - SOTNIKOV, V. NLO QCD predictions for $Wb(b)\text{-}\bar{b}$ production in association with up to three light jets at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 036018., Registrované v: WOS

18. [1.1] AOUBE, R. - HURTH, T. - RENNER, S. - SHEPHERD, W. The impact of flavour data on global fits of the MFV SMEFT. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 17 2020, no. 12., Registrované v: WOS

19. [1.1] APPELQUIST, T. - BROWER, R.C. - FLEMING, G.T. - GASBARRO, A. - HASENFRATZ, A. - JIN, X.Y. - NEIL, E.T. - OSBORN, J.C. - REBBI, C. - RINALDI, E. - SCHAICH, D. - VRANAS, P. - WEINBERG, E. - WITZEL, O. Nonperturbative investigations of SU(3) gauge theory with eight dynamical flavors. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 15 2019, vol. 99, no. 1., Registrované v: WOS

20. [1.1] ARBEY, Alexandre - CACCIAPAGLIA, Giacomo - CAI, Haiying - DEANDREA, Aldo - LE CORRE, Solene - SANNINO, Francesco. Fundamental composite electroweak dynamics: Status at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015028., Registrované v: WOS

21. [1.1] ARBEY, A. - ELLIS, J. - GODBOLE, R. M. - MAHMOUDI, F. Constraints on the CP-Violating MSSM. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 285, pp. 160-165., Registrované v: WOS

22. [1.1] ARBEY, A. - MAHMOUDI, F. - STAL, O. - STEFANIAK, T. Status of the charged Higgs boson in two Higgs doublet models. In EUROPEAN

- PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 182.,
Registrované v: WOS
23. [1.1] ARCADI, Giorgio. Impact of next future Direct Detection experiments on Dark Portals and beyond. In RICAP16, 6TH ROMA INTERNATIONAL CONFERENCE ON ASTROPARTICLE PHYSICS. ISSN 2100-014X, 2017, vol. 136, art. no. UNSP 05003., Registrované v: WOS
24. [1.1] ARCADI, Giorgio. 2HDM portal for singlet-doublet dark matter. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 10, art. no. 864., Registrované v: WOS
25. [1.1] ARHRIB, Abdesslam - BENBRIK, Rachid - ENBERG, Rikard - KLEMM, William - MORETTI, Stefano - MUNIR, Shoaib. Identifying a light charged Higgs boson at the LHC Run II. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 774, pp. 591-598., Registrované v: WOS
26. [1.1] ARHRIB, A. - AZEVEDO, D. - BENBRIK, R. - HAROUIZ, H. - MORETTI, S. - PATRICK, R. - SANTOS, R. Signal versus background interference in H plus -> tb signals for MSSM benchmark scenarios. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 30 2020, no. 10., Registrované v: WOS
27. [1.1] ASADI, Pouya - BUCKLEY, Matthew R. - SHIH, David. It's all right(-handed neutrinos): a new W' model for the $R(D)^{(*)}$ anomaly. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 010., Registrované v: WOS
28. [1.1] AZEVEDO, Duarte - FERREIRA, Pedro M. - MUHLLEITNER, M. Margarete - PATEL, Shruti - SANTOS, Rui - WITTBRODT, Jonas. CP in the dark. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 091., Registrované v: WOS
29. [1.1] AZEVEDO, D. - DUCH, M. - GRZADKOWSKI, B. - HUANG, D. - IGLICKI, M. - SANTOS, R. One-loop contribution to dark-matter-nucleon scattering in the pseudo-scalar dark matter model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 16 2019, no. 1., Registrované v: WOS
30. [1.1] BAEK, Seungwon - KO, P. - LI, Jinmian. Minimal renormalizable simplified dark matter model with a pseudoscalar mediator. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075011., Registrované v: WOS
31. [1.1] BAGLIO, J. - CAMPANARIO, F. - GLAUS, S. - MUHLLEITNER, M. - RONCA, J. - SPIRA, M. - STREICHER, J. Higgs-pair production via gluon fusion at hadron colliders: NLO QCD corrections. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 28 2020, no. 4., Registrované v: WOS
32. [1.1] BAGLIO, J. - DAWSON, S. - LEWIS, I.M. NLO effects in EFT fits to W^+W^- production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 20 2019, vol. 99, no. 3., Registrované v: WOS
33. [1.1] BAGNASCHI, E. - BAHL, H. - FUCHS, E. - HAHN, T. - HEINEMEYER, S. - LIEBLER, S. - PATEL, S. - SLAVICH, P. - STEFANIAK, T. - WAGNER, C.E.M. - WEIGLEIN, G. MSSM Higgs boson searches at the LHC: benchmark scenarios for Run 2 and beyond. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 20 2019, vol. 79, no. 7., Registrované v: WOS
34. [1.1] BAGNASCHI, E. - DEGRASSI, G. - PASSEHR, S. -

- SLAVICH, P. Full two-loop QCD corrections to the Higgs mass in the MSSM with heavy superpartners. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
35. [1.1] BAHL, H. - HEINEMEYER, S. - HOLLIK, W. - WEIGLEIN, G. Theoretical uncertainties in the MSSM Higgs boson mass calculation. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 3 2020, vol. 80, no. 6., Registrované v: WOS
36. [1.1] BAHL, H. - LIEBLER, S. - STEFANIAK, T. MSSM Higgs benchmark scenarios for Run 2 and beyond: the low $\tan\beta$ region. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS
37. [1.1] BAKER, Michael J. - KOPP, Joachim. Dark Matter Decay between Phase Transitions at the Weak Scale. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 6, art. no. 061801., Registrované v: WOS
38. [1.1] BAKER, M.J. - KOPP, J. - LONG, A.J. Filtered Dark Matter at a First Order Phase Transition. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, OCT 9 2020, vol. 125, no. 15., Registrované v: WOS
39. [1.1] BALDES, I. - GARCIA-CELY, C. Strong gravitational radiation from a simple dark matter model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 28 2019, no. 5., Registrované v: WOS
40. [1.1] BALLESTEROS, Guillermo - CARMONA, Adrian - CHALA, Mikael. Exceptional composite dark matter. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 7, art. no. 468., Registrované v: WOS
41. [1.1] BALLESTRERO, Alessandro - MAINA, Ezio - PELLICCIOLI, Giovanni. W boson polarization in vector boson scattering at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 170., Registrované v: WOS
42. [1.1] BANDYOPADHYAY, P. - CHUN, E.J. - MANDAL, R. Phenomenology of Higgs bosons in inverse seesaw model with Type-X two Higgs doublet at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 29 2019, no. 8., Registrované v: WOS
43. [1.1] BANERJEE, Avik - BHATTACHARYYA, Gautam - RAY, Tirtha Sankar. Improving fine-tuning in composite Higgs models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035040., Registrované v: WOS
44. [1.1] BANERJEE, Avik - BHATTACHARYYA, Gautam - KUMAR, Nilanjana - RAY, Tirtha Sankar. Constraining composite Higgs models using LHC data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 062., Registrované v: WOS
45. [1.1] BANFI, Andrea - BOND, Andrew - MARTIN, Adam - SANZ, Veronica. Digging for top squarks from Higgs data: from signal strengths to differential distributions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 171., Registrované v: WOS
46. [1.1] BARMAN, Rahool Kumar - BELANGER, Genevieve - BHATTACHERJEE, Biplob - GODBOLE, Rohini - MENDIRATTA, Gaurav - SENGUPTA, Dipan. Invisible decay of the Higgs boson in the context of a thermal and nonthermal relic in MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095018., Registrované v: WOS

47. [1.1] BASLER, Philipp - FERREIRA, Pedro M. - MUEHLLEITNER, Margarete - SANTOS, Rui. High scale impact in alignment and decoupling in two-Higgs-doublet models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095024., Registrované v: WOS
48. [1.1] BASLER, P. - MEUHLEITNER, M. - WITTBRODT, J. The CP-violating 2HDM in light of a strong first order electroweak phase transition and implications for Higgs pair production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 061., Registrované v: WOS
49. [1.1] BATTYE, R.A. - PILAFTSIS, A. - VIATIC, D.G. Domain wall constraints on two-Higgs-doublet models with $Z(2)$ symmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 23 2020, vol. 102, no. 12., Registrované v: WOS
50. [1.1] BAUER, Martin - CARENA, Marcela - GEMMLER, Katrin. Creating the fermion mass hierarchies with multiple Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 115030., Registrované v: WOS
51. [1.1] BAUER, Martin - KLASSEN, Martin - TENORTH, Valentin. Universal properties of pseudoscalar mediators in dark matter extensions of 2HDMs. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 107., Registrované v: WOS
52. [1.1] BAUER, Martin - NEUBERT, Matthias - THAMM, Andrea. LHC as an Axion Factory: Probing an Axion Explanation for $(g-2)(\mu)$ with Exotic Higgs Decays. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 3, art. no. 031802., Registrované v: WOS
53. [1.1] BAUER, M. - HEILES, M. - NEUBERT, M. - THAMM, A. Axion-like particles at future colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 28 2019, vol. 79, no. 1., Registrované v: WOS
54. [1.1] BAUM, Sebastian - CARENA, Marcela - SHAH, Nausheen R. - WAGNER, Carlos E. M. Higgs portals for thermal Dark Matter. EFT perspectives and the NMSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 4, art. no. 069., Registrované v: WOS
55. [1.1] BAUM, Sebastian - FREESE, Katherine - SHAH, Nausheen R. - SHAKYA, Bibhushan. NMSSM Higgs boson search strategies at the LHC and the mono-Higgs signature in particular. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115036., Registrované v: WOS
56. [1.1] BAUM, Sebastian - SHAH, Nausheen R. Two Higgs doublets and a complex singlet: disentangling the decay topologies and associated phenomenology. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 044., Registrované v: WOS
57. [1.1] BAUM, S. - SHAH, N.R. - FREESE, K. The NMSSM is within reach of the LHC: mass correlations & decay signatures. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 1 2019, no. 4., Registrované v: WOS
58. [1.1] BELLAZZINI, Brando - MARIOTTI, Alberto - REDIGOLO, Diego - SALA, Filippo - SERRA, Javi. R-Axion at Colliders. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 14, art. no. 141804., Registrované v: WOS
59. [1.1] BERRYMAN, Jeffrey M. - DE GOUVEA, Andre - KELLY, Kevin J. - ZHANG, Yue. Lepton-number-charged scalars and neutrino beamstrahlung. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no.

7, art. no. 075030., Registrované v: WOS

60. [1.1] BERTUZZO, Enrico - MACHADO, Pedro A. N. - TABRIZI, Zahra - FUNCHAL, Renata Zukanovich. A neutrinophilic 2HDM as a UV completion for the inverse seesaw mechanism. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 11, art. no. 004., Registrované v: WOS

61. [1.1] BETANCUR, Amalia - LONGAS, Robinson - ZAPATA, Oscar. Doublet-triplet dark matter with neutrino masses. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035011., Registrované v: WOS

62. [1.1] BHATTACHARYYA, Gautam - DAS, Dipankar - JAY PEREZ, M. - SAHA, Ipsita - SANTAMARIA, Arcadi - VIVES, Oscar. Can measurements of 2HDM parameters provide hints for high scale supersymmetry? In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095018., Registrované v: WOS

63. [1.1] BIEKOTTER, T. - HEINEMEYER, S. - MUNOZ, C. Precise prediction for the Higgs-boson masses in the $\mu\mu$ SSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 504., Registrované v: WOS

64. [1.1] BIEKOTTER, T. - CHAKRABORTI, M. - HEINEMEYER, S. A 96 GeV Higgs boson in the N2HDM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 3 2020, vol. 80, no. 1., Registrované v: WOS

65. [1.1] BISWAS, A. - CHOUBEY, S. - COVI, L. - KHAN, S. Common origin of baryon asymmetry, Dark Matter and neutrino mass. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 28 2019, no. 5., Registrované v: WOS

66. [1.1] BISWAS, Sanjoy - GABRIELLI, Emidio - HEIKINHEIMO, Matti - MELE, Barbara. Dark-photon searches via ZH production at $e(+)e(-)$ colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 055012., Registrované v: WOS

67. [1.1] BIZON, W. - HAISCH, U. - ROTTOLI, L. Constraints on the quartic Higgs self-coupling from double-Higgs production at future hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 30 2019, no. 10., Registrované v: WOS

68. [1.1] BLASI, Simone - DE CURTIS, Stefania - YAGYU, Kei. Effects of custodial symmetry breaking in the Georgi-Machacek model at high energies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015001., Registrované v: WOS

69. [1.1] BOIARSKA, I. - BONDARENKO, K. - BOYARSKY, A. - GORKAVENKO, V. - OVCHYNNIKOV, M. - SOKOLENKO, A. Phenomenology of GeV-scale scalar portal. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 27 2019, no. 11., Registrované v: WOS

70. [1.1] BOLANOS, A. - SANCHEZ-VELEZ, R. - TAVARES-VELASCO, G. Flavor changing neutral current decays $t \rightarrow cX$ ($X = \gamma, g, Z, H$) and $t \rightarrow c(l)\overline{\text{bar}l}$ ($l = \mu, \tau$) via scalar leptoquarks. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 2019, vol. 79, no. 8., Registrované v: WOS

71. [1.1] BONDARENKO, K. - BOYARSKY, A. - BRINGMANN, T. - HUFNAGEL, M. - SCHMIDT-HOBERG, K. - SOKOLENKO, A. Direct detection and complementary constraints for sub-GeV dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 20 2020, no. 3.,

Registrované v: WOS

72. [1.1] BONVINI, Marco - MARZANI, Simone. Double Resummation for Higgs Production. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 20, art. no. 202003., Registrované v: WOS

73. [1.1] BOROWKA, Sophia - PASSEHR, Sebastian - WEIGLEIN, Georg. Complete two-loop QCD contributions to the lightest Higgs-boson mass in the MSSM with complex parameters. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 7, art. no. 576., Registrované v: WOS

74. [1.1] BOSELLI, Stefano - CALAME, Carlo M. Carloni - MONTAGNA, Guido - NICROSINI, Oreste - PICCININI, Fulvio - SHIVAJI, Ambresh. Higgs decay into four charged leptons in the presence of dimension-six operators. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 1, art. no. 096., Registrované v: WOS

75. [1.1] BRIVIO, I. - GAVELA, M. B. - MERLO, L. - MIMASU, K. - NO, J. M. - DEL REY, R. - SANZ, V. ALPs effective field theory and collider signatures. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 8, art. no. 572., Registrované v: WOS

76. [1.1] BUCHALLA, G. - CAPOZI, M. - CELIS, A. - HEINRICH, G. - SCYBOZ, L. Higgs boson pair production in non-linear Effective Field Theory with full $m(t)$ dependence at NLO QCD. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 057., Registrované v: WOS

77. [1.1] BUTTAZZO, Dario - REDIGOLO, Diego - SALA, Filippo - TESI, Andrea. Fusing vectors into scalars at high energy lepton colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 144., Registrované v: WOS

78. [1.1] CACCIAPAGLIA, Giacomo - DEANDREA, Aldo - GAUR, Naveen - HARADA, Daisuke - OKADA, Yasuhiro - PANIZZI, Luca. The LHC potential of vector-like quark doublets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 055., Registrované v: WOS

79. [1.1] CACCIAPAGLIA, Giacomo - FERRETTI, Gabriele - FLACKE, Thomas - SERODIO, Hugo. Revealing timid pseudo-scalars with taus at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 724., Registrované v: WOS

80. [1.1] CACCIAPAGLIA, G. - CAI, H.Y. - DEANDREA, A. - KUSHWAHA, A. Composite Higgs and Dark Matter model in $SU(6)/SO(6)$. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 4 2019, no. 10., Registrované v: WOS

81. [1.1] CACCIAPAGLIA, G. - FERRETTI, G. - FLACKE, T. - SERODIO, H. Light Scalars in Composite Higgs Models. In FRONTIERS IN PHYSICS. ISSN 2296-424X, MAR 11 2019, vol. 7., Registrované v: WOS

82. [1.1] CAMPANARIO, Francisco - FIGY, Terrance M. - PLAETZER, Simon - RAUCH, Michael - SCHICHTEL, Peter - SJODAHL, Malin. Stress testing the vector-boson-fusion approximation in multijet final states. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 033003., Registrované v: WOS

83. [1.1] CAMPBELL, Robyn - GODFREY, Stephen - DE LA PUENTE, Alejandro. Dilatonlike Higgs boson with scalar singlet dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075023., Registrované v: WOS

84. [1.1] CAMPBELL, Robyn - GODFREY, Stephen - LOGAN, Heather

- E. - POULIN, Alexandre. Real singlet scalar dark matter extension of the Georgi-Machacek model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 016005., Registrované v: WOS
85. [1.1] CAOLA, Fabrizio - LINDERT, Jonas M. - MELNIKOV, Kirill - MONNI, Pier Francesco - TANCREDI, Lorenzo - WEVER, Christopher. Bottom-quark effects in Higgs production at intermediate transverse momentum. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 035., Registrované v: WOS
86. [1.1] CAO, Junjie - GUO, Xiaofei - HE, Yangle - WU, Peiwen - ZHANG, Yang. Diphoton signal of the light Higgs boson in natural NMSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 116001., Registrované v: WOS
87. [1.1] CARENA, M. - QUIROS, M. - ZHANG, Y. Dark CP violation and gauged lepton or baryon number for electroweak baryogenesis. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 11 2020, vol. 101, no. 5., Registrované v: WOS
88. [1.1] CATA, O. - CREWETHER, R.J. - TUNSTALL, L.C. Crawling technicolor. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 8 2019, vol. 100, no. 9., Registrované v: WOS
89. [1.1] COHEN, Timothy - CRAIG, Nathaniel - GIUDICE, Gian F. - MCCULLOUGH, Matthew. The Hyperbolic Higgs. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 091., Registrované v: WOS
90. [1.1] COLEPPA, Baradhwaj - FUKS, Benjamin - POULOSE, P. - SAHOO, Shibananda. Seeking heavy Higgs bosons through cascade decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075007., Registrované v: WOS
91. [1.1] CONTINO, Roberto - GRECO, Davide - MAHBUBANI, Rakhi - RATTAZZI, Riccardo - TORRE, Riccardo. Precision tests and fine tuning in twin Higgs models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 095036., Registrované v: WOS
92. [1.1] CORDERO, A. - HERNANDEZ-SANCHEZ, J. - KEUS, V. - KING, S. F. - MORETTI, S. - ROJAS, D. - SOKOLOWSKA, D. Dark Matter signals at the LHC from a 3HDM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 030., Registrované v: WOS
93. [1.1] COUTURE, Gilles - FRANK, Mariana - HAMZAOU, Cherif - TOHARIA, Manuel. Top and bottom partners, Higgs boson on the brane, and the tt signal. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095038., Registrované v: WOS
94. [1.1] CRIVELLIN, Andreas - HEECK, Julian - MULLER, Dario. Large $h \rightarrow b\bar{s}$ in generic two-Higgs-doublet models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 035008., Registrované v: WOS
95. [1.1] CROON, D. - HOWARD, J.N. - IPEK, S. - TAIT, T.M.P. QCD baryogenesis. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 31 2020, vol. 101, no. 5., Registrované v: WOS
96. [1.1] CULLEN, J.M. - PECJAK, B.D. - SCOTT, D.J. NLO corrections to $h \rightarrow b(b)\bar{b}$ decay in SMEFT. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 29 2019, no. 8., Registrované v: WOS
97. [1.1] DANIELSSON, U. - ENBERG, R. - INGELMAN, G. -

- MANDAL, T. Varying gauge couplings and collider phenomenology. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 18 2019, vol. 100, no. 5., Registrované v: WOS
98. [1.1] DASGUPTA, Sayan - DEY, Ujjal Kumar - JHA, Tapoja - RAY, Tirtha Sankar. Status of a flavor-maximal nonminimal universal extra dimension model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 055006., Registrované v: WOS
99. [1.1] DAS, Biswaranjan - MORETTI, Stefano - MUNIR, Shoaib - POULOSE, Poulouse. Two Higgs bosons near 125 GeV in the NMSSM: beyond the narrow width approximation. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 8, art. no. 544., Registrované v: WOS
100. [1.1] DAS, Biswaranjan - MORETTI, Stefano - MUNIR, Shoaib - POULOSE, Poulouse. Quantum interference among heavy NMSSM Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 055020., Registrované v: WOS
101. [1.1] DAS, Dipankar - DEY, Ujjal Kumar - PAL, Palash B. Quark mixing in an S-3 symmetric model with two Higgs doublets. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 031701., Registrované v: WOS
102. [1.1] DAS, Dipankar - KUNDU, Anirban - SAHA, Ipsita. Higgs data does not rule out a sequential fourth generation with an extended scalar sector. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 011701., Registrované v: WOS
103. [1.1] DAWSON, Sally - MURPHY, Christopher W. Standard model EFT and extended scalar sectors. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015041., Registrované v: WOS
104. [1.1] DAWSON, S. - ENGLERT, C. - PLEHN, T. Higgs physics: It ain't over till it is over. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, JUL 3 2019, vol. 816, p. 1-85., Registrované v: WOS
105. [1.1] DE BLAS, Jorge - EBERHARDT, Otto - KRAUSE, Claudius. Current and future constraints on Higgs couplings in the nonlinear Effective Theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 048., Registrované v: WOS
106. [1.1] DE FLORIAN, Daniel - FABRE, Ignacio - MAZZITELLI, Javier. Higgs boson pair production at NNLO in QCD including dimension 6 operators. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 10, art. no. 215., Registrované v: WOS
107. [1.1] DEL AGUILA, Francisco - AMETLLER, Lluís - IGNACIO ILLANA, Jose - SANTIAGO, Jose - TALAVERA, Pere - VEGA-MORALES, Roberto. Lepton flavor changing Higgs decays in the littlest Higgs model with T-parity. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 028., Registrované v: WOS
108. [1.1] DEL AGUILA, F. - AMETLLER, L. - ILLANA, J.I. - SANTIAGO, J. - TALAVERA, P. - VEGA-MORALES, R. The full lepton flavor of the littlest Higgs model with T-parity. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 25 2019, no. 7., Registrované v: WOS
109. [1.1] DEMIRCI, M. Precise predictions for charged Higgs boson pair production in photon-photon collisions. In NUCLEAR PHYSICS B. ISSN 0550-3213, DEC 2020, vol. 961., Registrované v: WOS

110. [1.1] DEMIRCI, M. Pseudoscalar Higgs boson pair production at a photon-photon collision in the two Higgs doublet model. In *TURKISH JOURNAL OF PHYSICS*. ISSN 1300-0101, 2019, vol. 43, no. 5, p. 442-458., Registrované v: WOS
111. [1.1] DERCKX, D. - ROBENS, T. Constraining the Inert Doublet Model using Vector Boson Fusion. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
112. [1.1] DERY, Avital - FRUGIUELE, Claudia - NIR, Yosef. Large Higgs-electron Yukawa coupling in 2HDM. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2018, no. 4, art. no. 044., Registrované v: WOS
113. [1.1] DEUTSCHMANN, N. - MALTONI, F. - WIESEMANN, M. - ZARO, M. Top-Yukawa contributions to bbH production at the LHC. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, JUL 10 2019, no. 7., Registrované v: WOS
114. [1.1] DEY, Atri - LAHIRI, Jayita - MUKHOPADHYAYA, Biswarup. Extended scalar sectors, effective operators and observed data. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2018, no. 11, art. no. 127., Registrované v: WOS
115. [1.1] DEY, A. - LAHIRI, J. - MUKHOPADHYAYA, B. LHC signals of a heavy doublet Higgs as dark matter portal: cut-based approach and improvement with gradient boosting and neural networks. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, SEP 2 2019, no. 9., Registrované v: WOS
116. [1.1] DOMINGO, Florian - DRECHSEL, Peter - PASSEHR, Sebastian. On-shell neutral Higgs bosons in the NMSSM with complex parameters. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2017, vol. 77, no. 8, art. no. 562., Registrované v: WOS
117. [1.1] DOMINGO, Florian - HEINEMEYER, Sven - PASSEHR, Sebastian - WEIGLEIN, Georg. Decays of the neutral Higgs bosons into SM fermions and gauge bosons in the CP-violating NMSSM. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2018, vol. 78, no. 11, art. no. 942., Registrované v: WOS
118. [1.1] DOMINGO, F. - PASSEHR, S. Electroweak corrections to the fermionic decays of heavy Higgs states. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
119. [1.1] DOMINGO, F. - PASSEHR, S. Towards Higgs masses and decay widths satisfying the symmetries in the (N)MSSM. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, DEC 7 2020, vol. 80, no. 12., Registrované v: WOS
120. [1.1] DREYER, F.A. - KARLBERG, A. - LANG, J.N. - PELLEN, M. Precise predictions for double-Higgs production via vector-boson fusion. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, NOV 9 2020, vol. 80, no. 11., Registrované v: WOS
121. [1.1] ELLIS, John - MURPHY, Christopher W. - SANZ, Veronica - YOU, Tevong. Updated global SMEFT fit to Higgs, diboson and electroweak data. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2018, no. 6, art. no. 146., Registrované v: WOS
122. [1.1] ENGLERT, Christoph - NORDSTROM, Karl - SAKURAI, Kazuki - SPANNOWSKY, Michael. Perturbative Higgs coupling CP violation, unitarity, and phenomenology. In *PHYSICAL REVIEW D*. ISSN 2470-0010,

- 2017, vol. 95, no. 1, art. no. 015018., Registrované v: WOS
123. [1.1] ERTAS, F. - KAHLHOEFER, F. Loop-induced direct detection signatures from CP-violating scalar mediators. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 13 2019, no. 6., Registrované v: WOS
124. [1.1] ESCUDERO, Miguel - WITTE, Samuel J. - RIUS, Nuria. The dispirited case of gauged U(1)(B-L) dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 190., Registrované v: WOS
125. [1.1] FALKOWSKI, A. - STRAUB, D. Flavourful SMEFT likelihood for Higgs and electroweak data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 14 2020, no. 4., Registrované v: WOS
126. [1.1] FAROUGHY, D.A. - KAMENIK, J.F. - KOSNIK, N. - SMOLKOVIC, A. Probing the C P nature of the top quark Yukawa at hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 13 2020, no. 2., Registrované v: WOS
127. [1.1] FERREIRA, Felipe - FICHET, Sylvain - SANZ, Veronica. On new physics searches with multidimensional differential shapes. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 778, pp. 35-42., Registrované v: WOS
128. [1.1] FERREIRA, J. G. - PIRES, C. A. de S. - DA SILVA, P. S. Rodrigues - SIQUEIRA, Clarissa. On the Higgs-like boson in the minimal supersymmetric 3-3-1 model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 225., Registrované v: WOS
129. [1.1] FERREIRA, Pedro M. - LIEBLER, Stefan - WITTBRODT, Jonas. pp> A> Zh and the wrong-sign limit of the two-Higgs-doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055008., Registrované v: WOS
130. [1.1] FERREIRA, P. M. Vacuum structure of the Higgs complex singlet-doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 096011., Registrované v: WOS
131. [1.1] FERREIRA, P. M. - IVANOV, Igor P. - JIMENEZ, Enrique - PASECHNIK, Roman - SERODIO, Hugo. CP4 miracle: shaping Yukawa sector with CP symmetry of order four. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 1, art. no. 065., Registrované v: WOS
132. [1.1] FERREIRA, P.M. - GONCALVES, B.L. Stability of neutral minima against charge breaking in the Higgs triplet model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 27 2020, no. 2., Registrované v: WOS
133. [1.1] FERREIRA, P.M. - MORRISON, L.A. - PROFUMO, S. One-loop charge-breaking minima in the two-Higgs doublet model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 21 2020, no. 4., Registrované v: WOS
134. [1.1] FORTE, S. - LEVY, A. - RIDOLFI, G. From My Vast Repertoire ... Guido Altarelli's Legacy Preface. In FROM MY VAST REPERTOIRE ... : GUIDO ALTARELLI'S LEGACY. 2019, p. V-+., Registrované v: WOS
135. [1.1] FRANCESCHINI, Roberto - PANICO, Giuliano - POMAROL, Alex - RIVA, Francesco - WULZER, Andrea. Electroweak precision tests in high-energy diboson processes. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 111., Registrované v: WOS

136. [1.1] FRANZOSI, D.B. - FERRETTI, G. - HUANG, L. - SHU, J. Pseudoscalar pair production via off-shell Higgs in composite Higgs models. In *SCIPOST PHYSICS*. ISSN 2542-4653, NOV 2020, vol. 9, no. 5., Registrované v: WOS
137. [1.1] FRANZOSI, D.B. - MATTELAER, O. - RUIZ, R. - SHIL, S. Automated predictions from polarized matrix elements. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, APR 15 2020, no. 4., Registrované v: WOS
138. [1.1] GABRIELLI, Emidio - MELE, Barbara - RAIDAL, Martti - VENTURINI, Elena. FCNC decays of standard model fermions into a dark photon. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 115013., Registrované v: WOS
139. [1.1] GALLOWAY, Jamison - KAGAN, Alexander L. - MARTIN, Adam. UV complete partially composite pseudo-Nambu Goldstone boson Higgs. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035038., Registrované v: WOS
140. [1.1] GAO, C. - LUTY, M.A. - NEILL, N.A. Almost inert Higgs bosons at the LHC. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, SEP 6 2019, no. 9., Registrované v: WOS
141. [1.1] GINZBURG, I. F. - KRAWCZYK, M. Simple criterium for CP conservation in the most general 2HDM. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 055030., Registrované v: WOS
142. [1.1] GONZALEZ-ALONSO, M. - NAVILIAT-CUNCIC, O. - SEVERIJNS, N. New physics searches in nuclear and neutron beta decay. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, JAN 2019, vol. 104, p. 165-223., Registrované v: WOS
143. [1.1] GOODSSELL, Mark D. - LIEBLER, Stefan - STAUB, Florian. Generic calculation of two-body partial decay widths at the full one-loop level. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2017, vol. 77, no. 11, art. no. 758., Registrované v: WOS
144. [1.1] GRAZZINI, Massimiliano - ILNICKA, Agnieszka - SPIRA, Michael. Higgs boson production at large transverse momentum within the SMEFT: analytical results. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2018, vol. 78, no. 10, art. no. 808., Registrované v: WOS
145. [1.1] GRAZZINI, M. - KALLWEIT, S. - WIESEMANN, M. - YOOK, J.Y. ZZ production at the LHC: NLO QCD corrections to the loop-induced gluon fusion channel. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, MAR 13 2019, no. 3., Registrované v: WOS
146. [1.1] GRAZZINI, M. - KALLWEIT, S. - WIESEMANN, M. - YOOK, J.Y. W+W- production at the LHC: NLO QCD corrections to the loop-induced gluon fusion channel. In *PHYSICS LETTERS B*. ISSN 0370-2693, MAY 10 2020, vol. 804., Registrované v: WOS
147. [1.1] GUO, Shu-Yuan - HAN, Zhi-Long - LIAO, Yi. Testing the type II radiative seesaw model: From dark matter detection to LHC signatures. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 115014., Registrované v: WOS
148. [1.1] HABER, H.E. - OGREID, O.M. - OSLAND, P. - REBELO, M.N. Symmetries and mass degeneracies in the scalar sector. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, JAN 4 2019, no. 1., Registrované v: WOS

149. [1.1] HAGEDORN, Claudia - HERRERO-GARCIA, Juan - MOLINARO, Emiliano - SCHMIDT, Michael A. Phenomenology of the generalised scotogenic model with fermionic dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 103., Registrované v: WOS
150. [1.1] HAGIWARA, Kaoru - YOKOYA, Hiroshi - ZHENG, YaJuan. Probing the CP properties of top Yukawa coupling at an $e(+)e(-)$ collider. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 180., Registrované v: WOS
151. [1.1] HAISCH, Ulrich - KAMENIK, Jernej F. - MALINAUSKAS, Augustinas - SPIRA, Michael. Collider constraints on light pseudoscalars. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 178., Registrované v: WOS
152. [1.1] HAISCH, Ulrich - MALINAUSKAS, Augustinas. Let there be light from a second light Higgs doublet. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 135., Registrované v: WOS
153. [1.1] HAMBYE, T. - VANDERHEYDEN, L. Minimal self-interacting dark matter models with light mediator. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, MAY 2020, no. 5., Registrované v: WOS
154. [1.1] HARIGAYA, K. - MCGEHEE, R. - MURAYAMA, H. - SCHUTZ, K. A predictive mirror twin Higgs with small $Z(2)$ breaking. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 28 2020, no. 5., Registrované v: WOS
155. [1.1] HARLANDER, Robert V. - KLAPPERT, Jonas - LIEBLER, Stefan - SIMON, Lukas. $vh@nnlo-v2$: new physics in Higgs Strahlung. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 089., Registrované v: WOS
156. [1.1] HASHIMOTO, Michio. Revisiting vectorlike quark models with enhanced top Yukawa coupling. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035020., Registrované v: WOS
157. [1.1] HAYRETER, Alper - HE, Xiao-Gang - VALENCIA, German. Yukawa sector for lepton flavor violating in $h \rightarrow \mu \tau$ and CP violation in $h \rightarrow \tau \tau$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075002., Registrované v: WOS
158. [1.1] HELMBOLDT, Alexander J. - LINDNER, Manfred. Prospects for three-body Higgs boson decays into extra light scalars. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055008., Registrované v: WOS
159. [1.1] HOU, Wei-Shu - KIKUCHI, Mariko. Probing extra Yukawa couplings by precision measurements of Higgs boson properties. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015033., Registrované v: WOS
160. [1.1] HOU, Wei-Shu - KIKUCHI, Mariko. Approximate alignment in two-Higgs-doublet model with extra Yukawa couplings. In EPL. ISSN 0295-5075, 2018, vol. 123, no. 1, art. no. 11001., Registrované v: WOS
161. [1.1] HOU, Wei-Shu - KOHDA, Masaya - MODAK, Tanmoy. Probing for extra top Yukawa couplings in light of the $t(t)\text{over-bar}h$ (125) observation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075007., Registrované v: WOS

162. [1.1] HUANG, Peisi - JOGLEKAR, Aniket - LI, Min - WAGNER, Carlos E. M. Corrections to di-Higgs boson production with light stops and modified Higgs couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075001., Registrované v: WOS
163. [1.1] HUANG, Peisi - LONG, Andrew J. - WANG, Lian-Tao. Probing the electroweak phase transition with Higgs factories and gravitational waves. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075008., Registrované v: WOS
164. [1.1] HUANG, Peisi - ROGLANS, Roger A. - SPIEGEL, Daniel D. - SUN, Yitian - WAGNER, Carlos E. M. Constraints on supersymmetric dark matter for heavy scalar superpartners. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095021., Registrované v: WOS
165. [1.1] CHALA, Mikael - KRAUSE, Claudius - NARDINI, Germano. Signals of the electroweak phase transition at colliders and gravitational wave observatories. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 062., Registrované v: WOS
166. [1.1] CHALA, Mikael. Direct bounds on heavy toplike quarks with standard and exotic decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015028., Registrované v: WOS
167. [1.1] CHANG, Chia-Feng - HE, Xiao-Gang - TANDEAN, Jusak. Exploring spin-3/2 dark matter with effective Higgs couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075026., Registrované v: WOS
168. [1.1] CHANG, We-Fu - NG, John N. Neutrino masses and gauged $U(1)_l$ lepton number. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 015., Registrované v: WOS
169. [1.1] CHEUNG, K. - KEUNG, W.Y. - LU, C.T. - TSENG, P.Y. Vector-like quark interpretation for the CKM unitarity violation, excess in Higgs signal strength, and bottom quark forward-backward asymmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 25 2020, no. 5., Registrované v: WOS
170. [1.1] CHEUNG, K. - LEE, J.S. - TSENG, P.Y. New emerging results in Higgs precision analysis updates 2018 after establishment of third-generation Yukawa couplings. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 12 2019, no. 9., Registrované v: WOS
171. [1.1] CHIANG, Cheng-Wei - HE, Xiao-Gang - YE, Fang - YUAN, Xing-Bo. Constraints and implications on Higgs FCNC couplings from precision measurement of $B \rightarrow \mu^+ \mu^-$ decay. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035032., Registrované v: WOS
172. [1.1] CHIANG, Cheng-Wei - HE, Xiao-Gang - LI, Gang. Measuring the ratio of HWW and HZZ couplings through $W+W-H$ production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 126., Registrované v: WOS
173. [1.1] CHIANG, Cheng-Wei - FUKUDA, Hajime - TAKEUCHI, Michihisa - YANAGIDA, Tsutomu T. Current status of top-specific variant axion model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 035015., Registrované v: WOS
174. [1.1] CHOWDHURY, Debtosh - EBERHARDT, Otto. Update of global Two-Higgs-Doublet model fits. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 161., Registrované v: WOS

175. [1.1] IBE, M. - SUZUKI, M. - YANAGIDA, T.T. - YOKOZAKI, N. Muon g-2 in Split-Family SUSY in light of LHC run II. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 14 2019, vol. 79, no. 8., Registrované v: WOS
176. [1.1] ILNICKA, Agnieszka - ROBENS, Tania - STEFANIAK, Tim. Constraining extended scalar sectors at the LHC and beyond. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2018, vol. 33, no. 10-11, art. no. 1830007., Registrované v: WOS
177. [1.1] ISHIWATA, Koji - TOMA, Takashi. Probing pseudo Nambu-Goldstone boson dark matter at loop level. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 089., Registrované v: WOS
178. [1.1] ISHIWATA, Koji - YONEKURA, Yuki. Longitudinal W boson scattering in a light scalar top scenario. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015009., Registrované v: WOS
179. [1.1] KAHLHOEFER, Felix. Review of LHC dark matter searches. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 13, art. no. 1730006., Registrované v: WOS
180. [1.1] KAINULAINEN, K. - KEUS, V. - NIEMI, L. - RUMMUKAINEN, K. - TENKANEN, T.V.I. - VASKONEN, V. On the validity of perturbative studies of the electroweak phase transition in the Two Higgs Doublet model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 17 2019, no. 6., Registrované v: WOS
181. [1.1] KALINOWSKI, Jan - KOTLARSKI, Wojciech - ROBENS, Tania - SOKOLOWSKA, Dorota - ZARNECKI, Aleksander Filip. Benchmarking the Inert Doublet Model for $e^{(+)}e^{(-)}$ colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 081., Registrované v: WOS
182. [1.1] KALINOWSKI, J. - KOTLARSKI, W. - ROBENS, T. - SOKOLOWSKA, D. - ZARNECKI, A.F. Exploring inert scalars at CLIC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 10 2019, no. 7., Registrované v: WOS
183. [1.1] KANEMURA, Shinya - KIKUCHI, Mariko - SAKURAI, Kodai. Testing the dark matter scenario in the inert doublet model by future precision measurements of the Higgs boson couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 115011., Registrované v: WOS
184. [1.1] KANEMURA, Shinya - KIKUCHI, Mariko - SAKURAI, Kodai - YAGYU, Kei. Gauge invariant one-loop corrections to Higgs boson couplings in nonminimal Higgs models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035014., Registrované v: WOS
185. [1.1] KANEMURA, Shinya - KIKUCHI, Mariko - MAWATARI, Kentarou - SAKURAI, Kodai - YAGYU, Kei. Loop effects on the Higgs decay widths in extended Higgs models. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 140-149., Registrované v: WOS
186. [1.1] KANEMURA, S. - KIKUCHI, M. - MAWATARI, K. - SAKURAI, K. - YAGYU, K. Full next-to-leading-order calculations of Higgs boson decay rates in models with non-minimal scalar sectors. In NUCLEAR PHYSICS B. ISSN 0550-3213, DEC 2019, vol. 949., Registrované v: WOS
187. [1.1] KANEMURA, S. - MAWATARI, K. - SAKURAI, K. Single

- Higgs production in association with a photon at electron-positron colliders in extended Higgs models. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 15 2019, vol. 99, no. 3., Registrované v: WOS
188. [1.1] KARMAKAR, Siddhartha - RAKSHIT, Subhendu. Alignment limit in 2HDM: robustness put to test. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 142., Registrované v: WOS
189. [1.1] KEESHAN, B. - LOGAN, H.E. - PILKINGTON, T. Custodial symmetry violation in the Georgi-Machacek model. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 7 2020, vol. 102, no. 1., Registrované v: WOS
190. [1.1] KEUS, Venus - KOIVUNENA, Niko - TUOMINENA, Kimmo. Singlet scalar and 2HDM extensions of the Standard Model: CP-violation and constraints from $(g-2)(\mu)$ and eEDM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 059., Registrované v: WOS
191. [1.1] KIM, J.H. - KIM, M. - KONG, K. - MATCHEV, K.T. - PARK, M. Portraying double Higgs at the Large Hadron Collider. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 6 2019, no. 9., Registrované v: WOS
192. [1.1] KITANO, Ryuichiro - KURACHI, Masafumi. More on Electroweak-Skyrmion. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, art. no. 150., Registrované v: WOS
193. [1.1] KON, T. - NAGURA, T. - UEDA, T. - YAGYU, K. Double Higgs boson production at $e(+)e(-)$ colliders in the two-Higgs-doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 22 2019, vol. 99, no. 9., Registrované v: WOS
194. [1.1] KORCHIN, Alexander Yu. - KOVALCHUK, Vladimir A. Decay of the Higgs boson to $\tau(-)\tau(+)$ and non-Hermiticity of the Yukawa interaction. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 076003., Registrované v: WOS
195. [1.1] KRAML, S. - LOC, T.Q. - NHUNG, D.T. - NINH, L.D. Constraining new physics from Higgs measurements with Lilith: update to LHC Run 2 results. In SCIPOST PHYSICS. ISSN 2542-4653, OCT 2019, vol. 7, no. 4., Registrované v: WOS
196. [1.1] KRAUSE, M. - MUHLLEITNER, M. ewN2HDECAY-A program for the calculation of Electroweak one-loop corrections to Higgs decays in the Next-to-Minimal Two-Higgs-Doublet Model including state-of-the-art QCD corrections. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, FEB 2020, vol. 247., Registrované v: WOS
197. [1.1] KRAUSS, Manuel E. - OPFERKUCH, Toby - STAUB, Florian. The ultraviolet landscape of two-Higgs doublet models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 12, art. no. 1020., Registrované v: WOS
198. [1.1] KUMAR, S. - POULOSE, P. - RAHAMAN, R. - SINGH, R.K. Measuring Higgs self-couplings in the presence of VVH and VVHH at the ILC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, JUN 30 2019, vol. 34, no. 18., Registrované v: WOS
199. [1.1] KWASNITZA, T. - STOCKINGER, D. - VOIGT, A. Improved MSSM Higgs mass calculation using the 3-loop FlexibleEFTHiggs approach including $x(t)$ -resummation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 27 2020, no. 7., Registrované v: WOS
200. [1.1] LEWIS, Ian M. - SULLIVAN, Matthew. Benchmarks for double

- Higgs production in the singlet-extended standard model at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035037., Registrované v: WOS
201. [1.1] LINDERT, Jonas M. - MELNIKOV, Kirill - TANCREDI, Lorenzo - WEVER, Christopher. Top-Bottom Interference Effects in Higgs Plus Jet Production at the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 118, no. 25, art. no. 252002., Registrované v: WOS
202. [1.1] LOGAN, Heather E. - REIMER, Mark B. Characterizing a benchmark scenario for heavy Higgs boson searches in the Georgi-Machacek model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 095029., Registrované v: WOS
203. [1.1] MAAS, A. Brout-Englert-Higgs physics: From foundations to phenomenology. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, MAY 2019, vol. 106, p. 132-209., Registrované v: WOS
204. [1.1] MADGE, E. - SCHWALLER, P. Leptophilic dark matter from gauged lepton number: phenomenology and gravitational wave signatures. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 8 2019, no. 2., Registrované v: WOS
205. [1.1] MARIOTTI, Alberto - REDIGOLO, Diego - SALA, Filippo - TOBIOKA, Kohsaku. New LHC bound on low-mass diphoton resonances. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 13-18., Registrované v: WOS
206. [1.1] MARTINEZ, R. - SIERRA, C. F. - VALENCIA, German. Beyond $R(D^{(*)})$ with the general type-III 2HDM for $b \rightarrow c \tau \nu$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115012., Registrované v: WOS
207. [1.1] MEREGHETTI, Emanuele. Constraining top-Higgs couplings at high and low energy. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 08012., Registrované v: WOS
208. [1.1] MERCHAND, M. - SHER, M. - THRASHER, K. Is the radion a bulk Higgs doublet?. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JUL 2019, vol. 46, no. 7., Registrované v: WOS
209. [1.1] MERLO, L. - POBBE, F. - RIGOLIN, S. The minimal axion minimal linear sigma model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 5, art. no. 415., Registrované v: WOS
210. [1.1] MUNIR, Shoaib. Light exotic Higgs bosons at the LHC. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC. ISSN 1742-6588, 2017, vol. 878, art. no. UNSP 012028., Registrované v: WOS
211. [1.1] MURPHY, Christopher W. Statistical approach to Higgs boson couplings in the standard model effective field theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 015007., Registrované v: WOS
212. [1.1] MURRONE, A. Measurements of Higgs boson production cross-section and CP violation in the $H \rightarrow \tau \tau$ decay channel with the ATLAS detector. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, JUL-AUG 2019, vol. 42, no. 4., Registrované v: WOS
213. [1.1] NAKAMURA, Junya. Polarisation of the Z and W bosons in the processes $pp \rightarrow ZH$ and $pp \rightarrow (WH)-H-+/-$. In JOURNAL OF HIGH ENERGY

- PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 008., Registrované v: WOS
 214. [1.1] NEBOT, Miguel. Phenomenological prospects for two Higgs doublet models with controlled FCNC. In FIFTH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES. ISSN 1742-6588, 2017, vol. 873, art. no. UNSP 012038., Registrované v: WOS
 215. [1.1] NEBOT, M. Bounded masses in two Higgs doublets models, spontaneous CP violation and $Z(2)$ symmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 1 2020, vol. 102, no. 11., Registrované v: WOS
 216. [1.1] NEBOT, M. - BOTELLA, F.J. - BRANCO, G.C. Vacuum induced CP violation generating a complex CKM matrix with controlled scalar FCNC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 2019, vol. 79, no. 8., Registrované v: WOS
 217. [1.1] NEUMANN, Tobias. NLO Higgs+jet production at large transverse momenta including top quark mass effects. In JOURNAL OF PHYSICS COMMUNICATIONS. ISSN 2399-6528, 2018, vol. 2, no. 9, art. no. 095017., Registrované v: WOS
 218. [1.1] NOGUCHI, Y. Observation of the Higgs decay to beauty quarks. In 4TH INTERNATIONAL CONFERENCE ON PARTICLE PHYSICS AND ASTROPHYSICS (ICPPA-2018). ISSN 1742-6588, 2019, vol. 1390., Registrované v: WOS
 219. [1.1] NORDSTROM, K. - PAPAEFSTATHIOU, A. VHH production at the high-luminosity LHC. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, JUN 2019, vol. 134, no. 6., Registrované v: WOS
 220. [1.1] OREDSSON, J. - RATHSMAN, J. $Z(2)$ breaking effects in 2-loop RG evolution of 2HDM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 22 2019, no. 2., Registrované v: WOS
 221. [1.1] PASSEHR, Sebastian - WEIGLEIN, Georg. Two-loop top and bottom Yukawa corrections to the Higgs-boson masses in the complex MSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 222., Registrované v: WOS
 222. [1.1] PEDERSEN, Keith - SULLIVAN, Zack. Probing the two-Higgs-doublet wedge region with charged Higgs boson decays to boosted jets. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035037., Registrované v: WOS
 223. [1.1] PEREZ, P.F. - GOLIAS, E. - MURGUI, C. - PLASCENCIA, A.D. The Higgs and leptophobic force at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 14 2020, no. 7., Registrované v: WOS
 224. [1.1] PIERCE, Aaron - SHAKYA, Bibhushan. Implications of a stop sector signal at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 091., Registrované v: WOS
 225. [1.1] PRIMULANDO, R. - JULIO, J. - UTTAYARAT, P. Scalar phenomenology in type-II seesaw model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 6 2019, no. 8., Registrované v: WOS
 226. [1.1] PROFUMO, Stefano - STEFANIAK, Tim - STEPHENSON-HASKINS, Laurel. Not-so-well-tempered neutralino. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 055018., Registrované v: WOS
 227. [1.1] PYSKIR, Andrzej. SEARCHES FOR THE STANDARD MODEL HIGGS BOSON DECAY TO T LEPTON PAIRS AT THE CMS

- EXPERIMENT. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 6, pp. 1151-1156., Registrované v: WOS
228. [1.1] RAJU, M. - SAHA, J.P. - DAS, D. - KUNDU, A. Double Higgs boson production as an exclusive probe for a sequential fourth generation with wrong-sign Yukawa couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 30 2020, vol. 101, no. 5., Registrované v: WOS
229. [1.1] RENDON, J. - ROIG, P. - TOLEDO, G. Effective-field theory analysis of the $\tau(-) \rightarrow (K \pi)(-)\nu(\tau)$ decays. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 17 2019, vol. 99, no. 9., Registrované v: WOS
230. [1.1] ROBENS, T. - STEFANIAK, T. - WITTBRODT, J. Two-real-scalar-singlet extension of the SM: LHC phenomenology and benchmark scenarios. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 19 2020, vol. 80, no. 2., Registrované v: WOS
231. [1.1] ROJAS-ABATTE, Felipe - MORA, Maria Luisa - URBINA, Jose - ZERWEKH, Alfonso R. Inert two-Higgs-doublet model strongly coupled to a non-Abelian vector resonance. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 095025., Registrované v: WOS
232. [1.1] SACHDEVA, D. - SADHUKHAN, S. Discussing 125 GeV and 95 GeV excess in light radion model. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 31 2020, vol. 101, no. 5., Registrované v: WOS
233. [1.1] SHEKHOVTSOVA, Olga. Two- and three-meson decay modes of the tau-lepton in the Monte Carlo generator TAUOLA. In 31ST ANNUAL MEETING OF THE DIVISION OF PARTICLES AND FIELDS (DPYC) OF THE MEXICAN PHYSICAL SOCIETY. ISSN 1742-6588, 2017, vol. 912, art. no. 012004., Registrované v: WOS
234. [1.1] SPANNOWSKY, Michael - TAMARIT, Carlos. Sphalerons in composite and nonstandard Higgs models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015006., Registrované v: WOS
235. [1.1] SUAREZT, Rebeca Gonzalez. Recent CMS results in top and Higgs physics. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2017, vol. 32, no. 29, art. no. 1730026., Registrované v: WOS
236. [1.1] TREESUKRAT, W. - UTTAYARAT, P. Dark matter from the inert Higgs doublet model. In SIAM PHYSICS CONGRESS 2019 (SPC2019): PHYSICS BEYOND DISRUPTION SOCIETY. ISSN 1742-6588, 2019, vol. 1380., Registrované v: WOS
237. [1.1] VASQUEZ, A. - DEGRANDE, C. - TONERO, A. - ROSENFELD, R. New physics in double Higgs production at future $e(+)e(-)$ colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 3 2019, no. 5., Registrované v: WOS
238. [1.1] VEGA, Roberto - VEGA-MORALES, Roberto - XIE, Keping. Light (and darkness) from a light hidden Higgs. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 137., Registrované v: WOS
239. [1.1] VEGA, Roberto - VEGA-MORALES, Roberto - XIE, Keping. The supersymmetric Georgi-Machacek model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 168., Registrované v: WOS
240. [1.1] WANG, Lei - SHI, Rongle - HAN, Xiao-Fang - ZHU, Bin. Light scalar dark matter extension of the type-II two-Higgs-doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035024.,

Registrované v: WOS

241. [1.1] WANG, Weijian - HAN, Zhi-Long. Naturally small Dirac neutrino mass with intermediate SU(2)(L) multiplet fields. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, vol., no. 4, art. no. 166.,

Registrované v: WOS

242. [1.1] YANG, Kwei-Chou. Hidden Higgs portal vector dark matter for the Galactic center gamma-ray excess from the two-step cascade annihilation, and muon g-2. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 099., Registrované v: WOS

243. [1.1] ZHENG, S.B. Minimal vectorlike model in supersymmetric unification. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 26 2020, vol. 80, no. 3., Registrované v: WOS

ADCA618 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABELOOS, B. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurements of the charge asymmetry in top-quark pair production in the dilepton final state at root s=8 TeV with the ATLAS detector. In *Physical Review D*, 2016, vol. 94, no. 3, art. no. 032006. (2015: 4.506 - IF, Q2 - JCR, 2.236 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.94.032006>

Ohlasy:

1. [1.1] BERGE, S. - WESTHOFF, S. Observing the top energy asymmetry at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 014035., Registrované v: WOS

2. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS

ADCA619 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurements of the Nuclear Modification Factor for Jets in Pb plus Pb Collisions at root SNN=2.76 TeV with the ATLAS Detector. In *Physical Review Letters*, 2015, vol. 114, no. 7, art. no. 072302. (2014: 7.512 - IF, Q1 - JCR, 5.232 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.114.072302>

Ohlasy:

1. [1.1] ARLEO, Francois - CHAPON, Emilien - PAUKKUNEN, Hannu. Scaling properties of inclusive W-+/- production at hadron colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, art. no. 214., Registrované v: WOS

2. [1.1] ARMESTO, Nestor - SCOMPARIN, Enrico. Heavy-ion collisions at the Large Hadron Collider: A review of the results from Run 1. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2016, vol. 131, no. 3, art. no. 52., Registrované v: WOS

3. [1.1] BALA, Renu - BAUTISTA, Irais - BIELCIKOVA, Jana - ORTIZ, Antonio. Heavy-ion physics at the LHC: Review of Run I results. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 7, art. no. 1642006., Registrované v: WOS

4. [1.1] BASKAKOV, A. V. - BOOS, E. E. - DUDKO, L. V. - LOKHTIN, I. P. - SNIGIREV, A. M. Single top quark production in heavy ion collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 4, art. no. 044901., Registrované v: WOS
5. [1.1] BLAIZOT, J.P. - MEHTAR-TANI, Y. Jet structure in heavy ion collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2015, vol. 24, no. 11, art. no. 1530012., Registrované v: WOS
6. [1.1] CASALDERREY-SOLANA, Jorge - GULHAN, Doga Can - MILHANO, Jose Guilherme - PABLOS, Daniel - RAJAGOPAL, Krishna. A Comprehensive Analysis of Jet Quenching via a Hybrid Strong/Weak Coupling Model for Jet-Medium Interactions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 613-616., Registrované v: WOS
7. [1.1] CASALDERREY-SOLANA, Jorge - GULHAN, Doga Can - GUILHERME MILHANO, Jose - PABLOS, Daniel - RAJAGOPAL, Krishna. Boson-Jet Correlations in a Hybrid Strong/Weak Coupling Model for Jet Quenching in Heavy Ion Collisions. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 276, pp. 285-288., Registrované v: WOS
8. [1.1] CASALDERREY-SOLANA, J. - HULCHER, Z. - MILHANO, G. - PABLOS, D. - RAJAGOPAL, K. Simultaneous description of hadron and jet suppression in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 22 2019, vol. 99, no. 5., Registrované v: WOS
9. [1.1] CONNORS, Megan - NATTRASS, Christine - REED, Rosi - SALUR, Sevil. Jet measurements in heavy ion physics. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2018, vol. 90, no. 2, art. no. 025005., Registrované v: WOS
10. [1.1] DEAK, Michal - KUTAK, Krzysztof - TYWONIUK, Konrad. Towards tomography of quark-gluon plasma using double inclusive forward-central jets in Pb-Pb collision. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 11, art. no. 793., Registrované v: WOS
11. [1.1] DJORDJEVIC, Magdalena. Complex suppression patterns distinguish between major energy loss effects in Quark-Gluon Plasma. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 763, pp. 439-444., Registrované v: WOS
12. [1.1] DJORDJEVIC, Magdalena - BLAGOJEVIC, Bojana - ZIVKOVIC, Lidija. Mass tomography at different momentum ranges in quark-gluon plasma. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 4, art. no. 044908., Registrované v: WOS
13. [1.1] ELAYAVALLI, Raghav Kunnawalkam. Jet structure modifications in heavy-ion collisions with JEWEL. In WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS (HOT QUARKS 2016). ISSN 1742-6588, 2017, vol. 832, art. no. UNSP 012004., Registrované v: WOS
14. [1.1] EPPLE, Eliane. Cold nuclear matter effects on jet suppression in heavy-ion collisions. In WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS (HOT QUARKS 2016). ISSN 1742-6588, 2017, vol. 832, art. no. UNSP 012006., Registrované v: WOS

15. [1.1] FORMISANO, Luigi - JANSEN, Valerie M. - MARCIANO, Roberta - BIANCO, Roberto. From Biology to Therapy: Improvements of Therapeutic Options in Lung Cancer. In ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY. ISSN 1871-5206, 2018, vol. 18, no. 9, pp. 1235-1240., Registrované v: WOS
16. [1.1] HELENIUS, Ilkka - PAUKKUNEN, Hannu - ESKOLA, Kari J. Neutron-skin effect in direct-photon and charged-hadron production in Pb plus Pb collisions at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 3, art. no. 148., Registrované v: WOS
17. [1.1] HIRANO, Tetsufumi - TACHIBANA, Yasuki - OKAI, Michito. Interplay between collective expansion and Mach cone. In XLVI INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2016). ISSN 2100-014X, 2017, vol. 141, art. no. UNSP 05002., Registrované v: WOS
18. [1.1] CHIEN, Yang-Ting - VITEV, Ivan. Probing the Hardest Branching within Jets in Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 11, art. no. 112301., Registrované v: WOS
19. [1.1] KAHL, K. G. - HERRMANN, J. - STUBBS, B. - KRUEGER, T. H. C. - CORDES, J. - DEUSCHLE, M. - SCHWEIGER, U. - HUEPER, K. - HELM, S. - BIRKENSTOCK, A. - HARTUNG, D. Pericardial adipose tissue and the metabolic syndrome is increased in patients with chronic major depressive disorder compared to acute depression and controls. In PROGRESS IN NEURO-PSYCHOPHARMACOLOGY & BIOLOGICAL PSYCHIATRY. ISSN 0278-5846, 2017, vol. 72, pp. 30-35., Registrované v: WOS
20. [1.1] LARKOSKI, A.J. - MOULT, I. - NACHMAN, B. Jet substructure at the Large Hadron Collider: A review of recent advances in theory and machine learning. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, JAN 27 2020, vol. 841, p. 1-63., Registrované v: WOS
21. [1.1] LOKHTIN, I. P. - ALKIN, A. A. - SNIGIREV, A. M. On jet structure in heavy ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 452., Registrované v: WOS
22. [1.1] MATTHEW NGUYEN. Experimental review of jets and charged hadrons. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 160-167., Registrované v: WOS
23. [1.1] MEHTAR-TANI, Yacine - TYWONIUK, Konrad. Radiative energy loss of neighboring subjects. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 979, pp. 165-203., Registrované v: WOS
24. [1.1] MEHTAR-TANI, Yacine - TYWONIUK, Konrad. Sudakov suppression of jets in QCD media. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 051501., Registrované v: WOS
25. [1.1] MILHANO, Jose Guilherme - ZAPP, Korinna Christine. Origins of the di-jet asymmetry in heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 288., Registrované v: WOS
26. [1.1] NATTRASS, Christine. MEASUREMENTS OF JETS IN ALICE. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 6, pp. 1543-1551., Registrované v: WOS
27. [1.1] NOUICER, Rachid. Latest Results of Open Heavy Flavor and

- Quarkonia from the PHENIX Experiment at RHIC. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012003., Registrované v: WOS
28. [1.1] NOUICER, R. New state of nuclear matter: Nearly perfect fluid of quarks and gluons in heavy-ion collisions at RHIC energies. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2016, vol. 131, no. 3, art. no. 70., Registrované v: WOS
29. [1.1] PABLOS, Daniel. Jet quenching with strong coupling. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 169-176., Registrované v: WOS
30. [1.1] PUNETHA, G. - CHANDOLA, H.C. Effective Potential Formalism at Finite Temperature in Dual QCD and Deconfinement Phase Transition. In XXII INTERNATIONAL SCIENTIFIC CONFERENCE OF YOUNG SCIENTISTS AND SPECIALISTS (AYSS-2018). ISSN 2100-014X, 2019, vol. 201., Registrované v: WOS
31. [1.1] PUNETHA, G. - CHANDOLA, H.C. TRANSPORT COEFFICIENTS OF STRONGLY INTERACTING QUARK-GLUON PLASMA USING DUAL QCD HADRONIC BAG. In ROMANIAN JOURNAL OF PHYSICS. ISSN 1221-146X, 2020, vol. 65, no. 3-4., Registrované v: WOS
32. [1.1] RAJAGOPAL, Krishna - SADOBYEV, Andrey V. - VAN DER SCHEE, Wilke. Evolution of the Jet Opening Angle Distribution in Holographic Plasma. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 21, art. no. 211603., Registrované v: WOS
33. [1.1] ROSSI, A. Experiment summary. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 276, pp. 96-102., Registrované v: WOS
34. [1.1] SHUKLA, P. - SARASWAT, K. Understanding partonic energy loss from measured light charged particles and jets in PbPb collisions at LHC energies. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, DEC 2020, vol. 47, no. 12., Registrované v: WOS
35. [1.1] SIEVERT, Matthew D. - VITEV, Ivan. Quark branching in QCD matter to any order in opacity beyond the soft gluon emission limit. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 094010., Registrované v: WOS
36. [1.1] SINGH, Captain R. - SRIVASTAVA, P. K. - GANESH, S. - MISHRA, M. Unified description of charmonium suppression in a quark-gluon plasma medium at RHIC and LHC energies. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 3, art. no. 034916., Registrované v: WOS
37. [1.1] SINGH, C.R. - GANESH, S. - MISHRA, M. Centrality and transverse momentum dependent suppression of $\psi(1S)$ and $\psi(2S)$ in p-Pb and Pb-Pb collisions at the CERN Large Hadron Collider. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 19 2019, vol. 79, no. 2., Registrované v: WOS
38. [1.1] TACHIBANA, Yasuki - HIRANO, Tetsufumi. Hydrodynamic excitation by jets in the expanding QGP. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 276, pp. 173-176., Registrované v: WOS
39. [1.1] TACHIBANA, Yasuki - HIRANO, Tetsufumi. Interplay between Mach cone and radial expansion and its signal in gamma-jet events. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 5, art. no. 054907.,

Registrované v: WOS

40. [1.1] VAN HAMEREN, A. - KUTAK, K. - PLACZEK, W. - ROHRMOSER, M. - TYWONIUK, K. Jet quenching and effects of non-Gaussian transverse-momentum broadening on dijet observables. In PHYSICAL REVIEW C. ISSN 0556-2813, OCT 21 2020, vol. 102, no. 4., Registrované v: WOS

41. [1.1] VITEV, Ivan. SCET for jet physics in the vacuum and the medium. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 59-64., Registrované v: WOS

42. [1.1] VITEV, Ivan. Soft-collinear effective theory for hadronic and nuclear collisions: The evolution of jet quenching from RHIC to the highest LHC energies. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 677-680., Registrované v: WOS

43. [1.1] WANG, Mengliang. Overview of jet physics with ALICE at the LHC. In 12TH INTERNATIONAL CONFERENCE ON NUCLEUS-NUCLEUS COLLISIONS 2015. ISSN 2100-014X, 2016, vol. 117, art. no. 03009., Registrované v: WOS

ADCA620 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Measurements of the production cross section of a Z boson in association with jets in pp collisions at root s=13 TeV with the ATLAS detector. In *European Physical Journal C*, 2017, vol. 77, no. 6, art. no. 361. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-017-4900-z>

Ohlasy:

1. [1.1] ANGER, F. R. - CORDERO, F. Febres - HOCHÉ, S. - MAITRE, D. Weak vector boson production with many jets at the LHC root s=13 TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 096010., Registrované v: WOS

2. [1.1] BELLM, J. - BEWICK, G. - RAVASIO, S.F. - GIESEKE, S. - GRELLSCHEID, D. - KIRCHGAESSER, P. - LOSHAJ, F. - MASOUMINIA, M.R. - NAIL, G. - PAPAEFSTATHIOU, A. - PLATZER, S. - PODSKUBKA, R. - RAUCH, M. - REUSCHLE, C. - RICHARDSON, P. - SCHICHEL, P. - SEYMOUR, M.H. - SIODMOK, A. - WEBSTER, S. Herwig 7.2 release note. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 20 2020, vol. 80, no. 5., Registrované v: WOS

3. [1.1] BISHARA, Fady - HAISCH, Ulrich - MONNI, Pier Francesco. Regarding light resonance interpretations of the B decay anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 055002., Registrované v: WOS

4. [1.1] FRELLESVIG, H. - KUDASHKIN, K. - WEVER, C. Two-loop QCD-EW master integrals for Z plus jet production at large transverse momentum. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 8 2020, no. 5., Registrované v: WOS

5. [1.1] GEHRMANN-DE RIDDER, A. - GEHRMANN, T. - GLOVER, E.W.N. - HUSS, A. - WALKER, D.M. Vector boson production in association with a jet at forward rapidities. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 20 2019, vol. 79, no. 6., Registrované v: WOS

6. [1.1] OCALAN, K. Precise calculation of differential cross sections

for the Z boson plus jets production in proton-proton collisions at a center-of-mass energy of 13 TeV. In *TURKISH JOURNAL OF PHYSICS*. ISSN 1300-0101, 2019, vol. 43, no. 5, p. 431-441., Registrované v: WOS

7. [1.1] PENG, J.C. - CHANG, W.C. - MCCLELLAN, R.E. - TERYAEV, O. Lepton angular distribution of Z boson production and jet discrimination. In *PHYSICS LETTERS B*. ISSN 0370-2693, OCT 10 2019, vol. 797., Registrované v: WOS

8. [1.1] SUN, P. - YAN, B. - YUAN, C.P. - YUAN, F. Resummation of high order corrections in Z boson plus jet production at the LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, SEP 24 2019, vol. 100, no. 5., Registrované v: WOS

ADCA621 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABED ABUD, A. - ABELING, K. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurements of the production cross-section for a Z boson in association with b-jets in proton-proton collisions at root s=13 TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2020, no. 7, art. no. 044. (2019: 5.875 - IF, Q1 - JCR, 0.948 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP07\(2020\)044](https://doi.org/10.1007/JHEP07(2020)044)

Ohlasy:

1. [1.1] GAULD, R. - RIDDER, A.G.D. - GLOVER, E.W.N. - HUSS, A. - MAJER, I. Predictions for Z-Boson Production in Association with a b-Jet at $O(\alpha^3(s))$. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, NOV 25 2020, vol. 125, no. 22., Registrované v: WOS

ADCA622 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Measurements of the properties of $\Lambda_b(2595)$, $\Lambda_b(2625)$, $\Sigma_b(2455)$, and $\Sigma_b(2520)$ baryons. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2011, vol. 84, no. 1, art. no. 012003. (2010: 4.964 - IF, Q1 - JCR, 2.759 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.84.012003>

Ohlasy:

1. [1.1] GALANTI, Mario - GIAMMANCO, Andrea - GROSSMAN, Yuval - KATS, Yevgeny - STAMOU, Emmanuel - ZUPAN, Jure. Heavy baryons as polarimeters at colliders. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2015, no. 11, art. no. 067., Registrované v: WOS

2. [1.1] CHENG, Hai-Yang - CHUA, Chun-Khiang. Strong decays of charmed baryons in heavy hadron chiral perturbation theory: An update. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 074014., Registrované v: WOS

3. [1.1] CHENG, Hai-Yang. Charmed baryons circa 2015. In *FRONTIERS OF PHYSICS*. ISSN 2095-0462, 2015, vol. 10, no. 6, art. no. 101406., Registrované v: WOS

4. [1.1] JIANG, Nan - CHEN, Xiao-Lin - ZHU, Shi-Lin. Electromagnetic decays of the charmed and bottom baryons in chiral perturbation theory. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 054017., Registrované v: WOS

5. [1.1] SOLOVIEVA, E. I. Spectroscopy of charmed baryons. In

ADCA623 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurements of the top quark branching ratios into channels with leptons and quarks with the ATLAS detector. In *Physical Review D*, 2015, vol. 92, no. 7, art. no. 072005. (2014: 4.643 - IF, Q1 - JCR, 2.414 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.92.072005>

Ohlasy:

1. [1.1] ALEKHIN, S. - BLUEMLEIN, J. - MOCH, S. - PLACAKYTE, R. Parton distribution functions, $\alpha(s)$, and heavy-quark masses for LHC Run II. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 014011., Registrované v: WOS
2. [1.1] ALEKHIN, S. - MOCH, S. - THIER, S. Determination of the top-quark mass from hadro-production of single top-quarks. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2016, vol. 763, pp. 341-346., Registrované v: WOS
3. [1.1] FAJFER, S. - KOSNIK, N. Vector leptoquark resolution of R-K and RD^* puzzles. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2016, vol. 755, pp. 270-274., Registrované v: WOS

ADCA624 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurements of the Total and Differential Higgs Boson Production Cross Sections Combining the H - $\gamma\gamma$ and H - ZZ^* - 4l Decay Channels at $\sqrt{s}=8$ TeV with the ATLAS Detector. In *Physical Review Letters*, 2015, vol. 115, no. 9, art. no. 091801. (2014: 7.512 - IF, Q1 - JCR, 5.232 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.115.091801>

Ohlasy:

1. [1.1] ALIOLI, Simone - CAOLA, Fabrizio - LUISONI, Gionata - ROENTSCH, Raoul. ZZ production in gluon fusion at NLO matched to parton shower. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034042., Registrované v: WOS
2. [1.1] ALVAREZ, Ezequiel - FAROUGHY, Darius A. - KAMENIK, Jernej F. - MORALES, Roberto - SZYNKMAN, Alejandro. Four tops for LHC. In *NUCLEAR PHYSICS B*. ISSN 0550-3213, 2017, vol. 915, pp. 19-43., Registrované v: WOS
3. [1.1] BISHARA, Fady - HAISCH, Ulrich - MONNI, Pier Francesco - RE, Emanuele. Constraining Light-Quark Yukawa Couplings from Higgs Distributions. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2017, vol. 118, no. 12, art. no. 121801., Registrované v: WOS
4. [1.1] BONVINI, Marco - MARZANI, Simone. Double Resummation for Higgs Production. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2018, vol. 120, no. 20, art. no. 202003., Registrované v: WOS
5. [1.1] COHEN, Jonathan - BAR-SHALOM, Shaouly - EILAM, Gad - SONI, Amarjit. Light-quarks Yukawa couplings and new physics in exclusive high- $p(T)$ Higgs boson plus jet and Higgs boson plus b-jet events. In *PHYSICAL*

REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055014.,
Registrované v: WOS

6. [1.1] ENGLERT, Christoph - NORDSTROM, Karl - SAKURAI, Kazuki - SPANNOVSKY, Michael. Perturbative Higgs coupling CP violation, unitarity, and phenomenology. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015018., Registrované v: WOS

7. [1.1] GRAZZINI, Massimiliano - ILNICKA, Agnieszka - SPIRA, Michael. Higgs boson production at large transverse momentum within the SMEFT: analytical results. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 10, art. no. 808., Registrované v: WOS

8. [1.1] JADACH, S. - NAIL, G. - PLACZEK, W. - SAPETA, S. - SIODMOK, A. - SKRZYPEK, M. Monte Carlo simulations of Higgs-boson production at the LHC with the KrkNLO method. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 3, art. no. 164., Registrované v: WOS

9. [1.1] MARZANI, Simone. Combining Q(T) and small-x resummations. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 054047., Registrované v: WOS

10. [1.1] NEUMANN, Tobias - WILLIAMS, Ciaran. Higgs bosons at high p(T). In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 014004., Registrované v: WOS

11. [1.1] NEUMANN, Tobias. NLO Higgs+jet production at large transverse momenta including top quark mass effects. In JOURNAL OF PHYSICS COMMUNICATIONS. ISSN 2399-6528, 2018, vol. 2, no. 9, art. no. 095017., Registrované v: WOS

12. [1.1] SUN, Peng - ISAACSON, Joshua - YUAN, C.P. - YUAN, Feng. Resummation of high order corrections in Higgs boson plus jet production at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 769, pp. 57-61., Registrované v: WOS

ADCA625 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurements of the W production cross sections in association with jets with the ATLAS detector. In *European Physical Journal C*, 2015, vol. 75, no. 2, art. no. 82. (2014: 5.084 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-015-3262-7>

Ohlasy:

1. [1.1] ALEEDANESHVAR, A. - KHORRAMIAN, A. The impact of CMS inclusive jet data on parton distribution functions and their uncertainties. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 22, art. no. 1750134., Registrované v: WOS

2. [1.1] ANDERSEN, Jeppe R. - BROOKS, Helen M. - LONNBLAD, Leif. Merging high energy with soft and collinear logarithms using HEJ and PYTHIA. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 074., Registrované v: WOS

3. [1.1] ANGER, F. R. - CORDERO, F. Febres - ITA, H. - SOTNIKOV, V. NLO QCD predictions for Wb(b)over-bar production in association with up to three light jets at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 036018., Registrované v: WOS

4. [1.1] BELLM, Johannes - GIESEKE, Stefan - PLAETZER, Simon. Merging NLO multi-jet calculations with improved unitarization. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 244., Registrované v: WOS
5. [1.1] BERNAL, Nicolas - FONG, Chee Sheng - TONERO, Alberto. Sharing but not caring: collider phenomenology. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 037., Registrované v: WOS
6. [1.1] BERN, Z. - DIXON, L. J. - FEBRES CORDERO, F. - HOECHE, S. - ITA, H. - KOSOWER, D. A. - MAITRE, D. Extrapolating W-associated jet-production ratios at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 014008., Registrované v: WOS
7. [1.1] BOTHMANN, Enrico - FERRARESE, Piero - KRAUSS, Frank - KUTTIMALAI, Silvan - SCHUMANN, Steffen - THOMPSON, Jennifer. Aspects of perturbative QCD at a 100 TeV future hadron collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 034007., Registrované v: WOS
8. [1.1] BOUGHEZAL, Radja - FOCKE, Christfried - LIU, Xiaohui - PETRIELLO, Frank. W-Boson Production in Association with a Jet at Next-to-Next-to-Leading Order in Perturbative QCD. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 6, art. no. 062002., Registrované v: WOS
9. [1.1] BOUGHEZAL, Radja - LIU, Xiaohui - PETRIELLO, Frank. W-boson plus jet differential distributions at NNLO in QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 113009., Registrované v: WOS
10. [1.1] BOUGHEZAL, Radja - LIU, Xiaohui - PETRIELLO, Frank. A comparison of NNLO QCD predictions with 7 TeV ATLAS and CMS data for V plus jet processes. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 760, pp. 6-13., Registrované v: WOS
11. [1.1] DILSIZ, Kamuran. Differential QCD Predictions of the W (+/-)+1 Jet for the Large Hadron Collider and Possible Future High Energy Colliders. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2018, vol. 73, no. 9, pp. 1240-1246., Registrované v: WOS
12. [1.1] FRYE, Christopher - LARKOSKI, Andrew J. - THALER, Jesse - ZHOU, Kevin. Casimir meets Poisson: improved quark/gluon discrimination with counting observables. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 9, art. no. 083., Registrované v: WOS
13. [1.1] GEHRMANN-DE RIDDER, A. - GEHRMANN, T. - GLOVER, E.W.N. - HUSS, A. - WALKER, D.M. Vector boson production in association with a jet at forward rapidities. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 20 2019, vol. 79, no. 6., Registrované v: WOS
14. [1.1] GELLERSEN, L. - PRESTEL, S. Scale and scheme variations in unitarized NLO merging. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 11 2020, vol. 101, no. 11., Registrované v: WOS
15. [1.1] CHIESA, Mauro - GREINER, Nicolas - TRAMONTANO, Francesco. Automation of electroweak corrections for LHC processes. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 1, art. no. 013002., Registrované v: WOS
16. [1.1] CHRISTIANSEN, Jesper Roy - PRESTEL, Stefan. Merging

weak and QCD showers with matrix elements. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 1, art. no. 39., Registrované v: WOS

17. [1.1] KALLWEIT, S. - LINDERT, J. M. - MAIERHOEFER, P. - POZZORINI, S. - SCHOENHERR, M. NLO QCD plus EW predictions for V plus jets including off-shell vector-boson decays and multijet merging. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 021., Registrované v: WOS

18. [1.1] OCALAN, K. Higher-order differential cross section calculation for the associated production of a W boson and jets in the electron decay channel at a center-of-mass energy of 13 TeV in proton-proton collisions. In TURKISH JOURNAL OF PHYSICS. ISSN 1300-0101, 2019, vol. 43, no. 2, p. 156-166., Registrované v: WOS

19. [1.1] SAPETA, Sebastian. QCD and jets at hadron colliders. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 89, pp. 1-55., Registrované v: WOS

20. [1.1] SHAKERIN, B. - WARD, B.F.L. IR-improved DGLAP parton shower effects in W plus jets in pp collisions at $\sqrt{s}=7$ TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 27 2019, vol. 100, no. 3., Registrované v: WOS

21. [1.1] SCHAEZEL, Sebastian. Boosted top quarks and jet structure. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 415., Registrované v: WOS

ADCA626 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at $\sqrt{s}=7$ TeV. In *European Physical Journal C*, 2013, vol. 73, no. 1, art. no. 2261. (2012: 5.247 - IF, Q1 - JCR, 3.034 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-012-2261-1>

Ohlasy:

1. [1.1] BROD, Joachim - DROBNAK, Jure - KAGAN, Alexander L. - STAMOU, Emmanuel - ZUPAN, Jure. Stealth QCD-like strong interactions and the $t(\bar{t})$ asymmetry. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 095009., Registrované v: WOS

2. [1.1] CATANI, Stefano - GRAZZINI, Massimiliano - TORRE, Alessandro. Transverse-momentum resummation for heavy-quark hadroproduction. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 890, pp. 518-538., Registrované v: WOS

3. [1.1] CZAKON, Michal - MITOV, Alexander - ROJO, Juan. Summary of the Topical Workshop on Top Quark Differential Distributions 2014. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 1, art. no. 015004., Registrované v: WOS

4. [1.1] D'ENTERRIA, David - KRAJCZAR, Krisztian - PAUKKUNEN, Hannu. Top-quark production in proton-nucleus and nucleus-nucleus collisions at LHC energies and beyond. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 746, pp. 64-72., Registrované v: WOS

5. [1.1] FARINA, M. - MONDINO, C. - PAPPADOPULO, D. - RUDERMAN, J.T. New physics from high energy tops. In JOURNAL OF HIGH

ENERGY PHYSICS. ISSN 1029-8479, JAN 31 2019, no. 1., Registrované v: WOS

6. [1.1] GUZZI, Marco - LIPKA, Katerina - MOCH, Sven-Olaf. Differential cross sections for top pair production at the LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 2177-2180., Registrované v: WOS

7. [1.1] HARLAND-LANG, L. A. - MARTIN, A. D. - MOTYLINSKI, P. - THORNE, R. S. Parton distributions in the LHC era: MMHT 2014 PDFs. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 204., Registrované v: WOS

8. [1.1] WAGNER-KUHR, Jeannine. EXPERIMENTAL STUDIES OF TOP QUARK PRODUCTION. In ACTA PHYSICA SLOVACA. ISSN 0323-0465, 2016, vol. 66, no. 1, pp. 1-68., Registrované v: WOS

ADCA627 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Measurements of top quark spin observables in tt events using dilepton final states in root s=8 TeV pp collisions with the ATLAS detector. In *Journal of High Energy Physics*, 2017, no. 3, art. no. 113. (2016: 6.063 - IF, Q1 - JCR, 1.163 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP03\(2017\)113](https://doi.org/10.1007/JHEP03(2017)113)

Ohlasy:

1. [1.1] ARHRIB, Abdesslam - JUEID, Adil - MORETTI, Stefano. Top quark polarization as a probe of charged Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115006., Registrované v: WOS

2. [1.1] BEHRING, A. - CZAKON, M. - MITOV, A. - PONCELET, R. - PAPANASTASIOU, A.S. Higher Order Corrections to Spin Correlations in Top Quark Pair Production at the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, AUG 21 2019, vol. 123, no. 8., Registrované v: WOS

3. [1.1] DE VRIES, J. - DRAPER, P. - FUYUTO, K. - KOZACZUK, J. - SUTHERLAND, D. Indirect signs of the Peccei-Quinn mechanism. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 31 2019, vol. 99, no. 1., Registrované v: WOS

4. [1.1] CHEUNG, K. - JUEID, A. - MAO, Y.N. - MORETTI, S. Two-Higgs-doublet model with soft CP violation confronting electric dipole moments and colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 23 2020, vol. 102, no. 7., Registrované v: WOS

5. [1.1] JUEID, Adil. Probing anomalous Wtb couplings at the LHC in single t-channel top quark production. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 053006., Registrované v: WOS

6. [1.1] MA, Kai. Asymmetry observables for measuring spin correlations in top-quark pair production. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 071501, Registrované v: WOS

ADCA628 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurements of top-quark pair differential cross-sections in the e mu channel in pp collisions at root s=13 TeV using the ATLAS detector. In *European Physical Journal C*, 2017, vol. 77, no. 5, art. no. 292. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current

Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044.
Dostupné na: <https://doi.org/10.1140/epjc/s10052-017-4821-x>

Ohlasy:

1. [1.1] CATANI, Stefano - GRAZZINI, Massimiliano - SARGSYAN, Hayk. Transverse-momentum resummation for top-quark pair production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 061., Registrované v: WOS
2. [1.1] CATANI, S. - DEVOTO, S. - GRAZZINI, M. - KALLWEIT, S. - MAZZITELLI, J. Top-quark pair production at the LHC: fully differential QCD predictions at NNLO. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 17 2019, no. 7., Registrované v: WOS
3. [1.1] HANSON, E. - KLEMM, W. - NARANJO, R. - PETERS, Y. - PILAFTSIS, A. Charged Higgs bosons in naturally aligned two-Higgs-doublet models at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 27 2019, vol. 100, no. 3., Registrované v: WOS
4. [1.1] LA RUFFA, F. Measurements of top-quark pair differential cross-sections using the ATLAS detector at LHC. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, JUL-AUG 2019, vol. 42, no. 4., Registrované v: WOS

ADCA629 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurements of top-quark pair differential cross-sections in the lepton plus jets channel in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. In *Journal of High Energy Physics*, 2017, no. 11, art. no. 191. (2016: 6.063 - IF, Q1 - JCR, 1.163 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP11\(2017\)191](https://doi.org/10.1007/JHEP11(2017)191)

Ohlasy:

1. [1.1] BEHRING, A. - CZAKON, M. - MITOV, A. - PONCELET, R. - PAPANASTASIOU, A.S. Higher Order Corrections to Spin Correlations in Top Quark Pair Production at the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, AUG 21 2019, vol. 123, no. 8., Registrované v: WOS
2. [1.1] DARME, Luc - FUKS, Benjamin - GOODSSELL, Mark. Cornering sgluons with four-top-quark events. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 784, pp. 223-228., Registrované v: WOS

ADCA630 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s}=8$ TeVs=8 TeV using the ATLAS detector. In *European Physical Journal C*, 2016, vol. 76, no. 10, art. no. 538. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4366-4>

Ohlasy:

1. [1.1] BAILEY, S. - HARLAND-LANG, L.A. Differential top quark pair production at the LHC: Challenges for PDF fits. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 25 2020, vol. 80, no. 1., Registrované v: WOS
2. [1.1] BALL, Richard D. - BERTONE, Valerio - CARRAZZA,

- Stefano - DEL DEBBIO, Luigi - FORTE, Stefano - GROTH-MERRILD, Patrick - GUFFANTI, Alberto - HARTLAND, Nathan P. - KASSABOV, Zahari - LATORRE, Jose I. - NOCERA, Emanuele R. - ROJO, Juan - ROTTOLI, Luca - SLADE, Emma - UBIALI, Maria. Parton distributions from high-precision collider data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 10, art. no. 663., Registrované v: WOS
3. [1.1] BALL, R.D. - NOCERA, E.R. - PEARSON, R.L. Nuclear uncertainties in the determination of proton PDFs: NNPDF Collaboration. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS
4. [1.1] BELLAGENTE, M. - BUTTER, A. - KASIECZKA, G. - PLEHN, T. - ROUSSELOT, A. - WINTERHALDER, R. - ARDIZZONE, L. - KOTHE, U. Invertible networks or partons to detector and back again. In SCIPOST PHYSICS. ISSN 2542-4653, NOV 2020, vol. 9, no. 5., Registrované v: WOS
5. [1.1] BELLAGENTE, M. - BUTTER, A. - KASIECZKA, G. - PLEHN, T. - WINTERHALDER, R. How to GAN away detector effects. In SCIPOST PHYSICS. ISSN 2542-4653, APR 2020, vol. 8, no. 4., Registrované v: WOS
6. [1.1] BERTONE, Valerio - CARRAZZA, Stefano - HARTLAND, Nathan P. - ROJO, Juan. Illuminating the photon content of the proton within a global PDF analysis. In SCIPOST PHYSICS. ISSN 2542-4653, 2018, vol. 5, no. 1, art. no. 008., Registrované v: WOS
7. [1.1] BRIVIO, I. - BRUGGISSER, S. - MALTONI, F. - MOUTAFIS, R. - PLEHN, T. - VRYONIDOU, E. - WESTHOFF, S. - ZHANG, C. O new physics, where art thou? A global search in the top sector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 24 2020, no. 2., Registrované v: WOS
8. [1.1] CARRAZZA, S. - NOCERA, E.R. - SCHWAN, C. - ZARO, M. PineAPPL: combining EW and QCD corrections for fast evaluation of LHC processes. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 17 2020, no. 12., Registrované v: WOS
9. [1.1] CATANI, Stefano - GRAZZINI, Massimiliano - SARGSYAN, Hayk. Transverse-momentum resummation for top-quark pair production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 061., Registrované v: WOS
10. [1.1] CATANI, S. - DEVOTO, S. - GRAZZINI, M. - KALLWEIT, S. - MAZZITELLI, J. Top-quark pair production at the LHC: fully differential QCD predictions at NNLO. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 17 2019, no. 7., Registrované v: WOS
11. [1.1] CORMIER, K. - PLATZER, S. - REUSCHLE, C. - RICHARDSON, P. - WEBSTER, S. Parton showers and matching uncertainties in top quark pair production with Herwig 7. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
12. [1.1] DI VITA, S. - GEHRMANN, T. - LAPORTA, S. - MASTROLIA, P. - PRIMO, A. - SCHUBERT, U. Master integrals for the NNLO virtual corrections to $q(q)\text{-}\bar{\rightarrow} t(t)\text{-}\bar{\rightarrow}$ scattering in QCD: the non-planar graphs. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 24 2019, no. 6., Registrované v: WOS

13. [1.1] FARINA, M. - MONDINO, C. - PAPPADOPULO, D. - RUDERMAN, J.T. New physics from high energy tops. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 31 2019, no. 1., Registrované v: WOS
14. [1.1] FRANZOSI, Diogo Buarque - FABBRI, Federica - SCHUMANN, Steffen. Constraining scalar resonances with top-quark pair production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 022., Registrované v: WOS
15. [1.1] FRANZOSI, D.B. - CACCIAPAGLIA, G. - DEANDREA, A. Sigma-assisted low scale composite Goldstone-Higgs. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 11 2020, vol. 80, no. 1., Registrované v: WOS
16. [1.1] HARTLAND, N.P. - MALTONI, F. - NOCERA, E.R. - ROJO, J. - SLADE, E. - VRYONIDOU, E. - ZHANG, C. A Monte Carlo global analysis of the Standard Model Effective Field Theory: the top quark sector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 15 2019, no. 4., Registrované v: WOS
17. [1.1] HOBBS, T.J. - WANG, B.T. - NADOLSKY, P.M. - OLNES, F.I. Charting the coming synergy between lattice QCD and high-energy phenomenology. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 27 2019, vol. 100, no. 9., Registrované v: WOS
18. [1.1] HOU, T.J. - YU, Z.T. - DULAT, S. - SCHMIDT, C. - YUAN, C.P. Updating and optimizing error parton distribution function sets in the Hessian approach. II. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 13 2019, vol. 100, no. 11., Registrované v: WOS
19. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS
20. [1.1] KHALEK, R.A. - BALL, R.D. - CARRAZZA, S. - FORTE, S. - GIANI, T. - KASSABOV, Z. - PEARSON, R.L. - NOCERA, E.R. - ROJO, J. - ROTTOLI, L. - UBIALI, M. - VOISEY, C. - WILSON, M. Parton distributions with theory uncertainties: general formalism and first phenomenological studies NNPDF Collaboration. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
21. [1.1] KHALEK, R.A. - FORTE, S. - GEHRMANN, T. - GEHRMANN-DE RIDDER, A. - GIANI, T. - GLOVER, N. - HUSS, A. - NOCERA, E.R. - PIRES, J. - ROJO, J. - STAGNITTO, G. Phenomenology of NNLO jet production at the LHC and its impact on parton distributions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 31 2020, vol. 80, no. 8., Registrované v: WOS
22. [1.1] KIDONAKIS, Nikolaos. Soft-gluon corrections in top-quark production. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 25, art. no. 1830021., Registrované v: WOS
23. [1.1] MARTIN, A. D. - RYSKIN, M. G. Optimal choice of factorization scales for the description of jet production at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 4, art. no. 218., Registrované v: WOS
24. [1.1] NOCERA, E.R. - UBIALI, M. - VOISEY, C. Single top production in PDF fits. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 14 2020, no. 5., Registrované v: WOS

25. [1.1] TOKAREV, M.V. - ZBOROVSKY, I. - KECHECHYAN, A.O. - DEDOVICH, T.G. Verification of z-Scaling in p plus p, p and Au plus Au Collisions at RHIC, Tevatron and LHC. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, MAR 2020, vol. 51, no. 2, p. 141-171., Registrované v: WOS

ADCA631 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABED ABUD, A. - ABELING, K. - BRUNCKO, Dušan - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurements of top-quark pair differential and double-differential cross-sections in the l plus jets channel with pp collisions at root s=13 TeV using the ATLAS detector. In *European Physical Journal C*, 2019, vol. 79, no. 12, art. no. 1028. (2018: 4.843 - IF, Q1 - JCR, 1.972 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-019-7525-6>

Ohlasy:

1. [1.1] FRANZOSI, D.B. - TONERO, A. Top-quark partial compositeness beyond the effective field theory paradigm. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 7 2020, no. 4., Registrované v: WOS

2. [1.1] JU, W.L. - WANG, G.X. - WANG, X. - XU, X.F. - XU, Y.Q. - YANG, L.L. Top quark pair production near threshold: single/double distributions and mass determination. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 25 2020, no. 6., Registrované v: WOS

3. [1.1] KIDONAKIS, N. Top-quark double-differential distributions at approximate (NLO)-L-3. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 7 2020, vol. 101, no. 7., Registrované v: WOS

ADCA632 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurements of top-quark pair to Z-boson cross-section ratios at root s=13, 8, 7 TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2017, no. 2, art. no. 117. (2016: 6.063 - IF, Q1 - JCR, 1.163 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP02\(2017\)117](https://doi.org/10.1007/JHEP02(2017)117)

Ohlasy:

1. [1.1] BISHARA, Fady - HAISCH, Ulrich - MONNI, Pier Francesco. Regarding light resonance interpretations of the B decay anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 055002., Registrované v: WOS

ADCA633 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurements of t(t)over-bar differential cross-sections of highly boosted top quarks decaying to all-hadronic final states in pp collisions at root s=13 Te V using the ATLAS detector. In *Physical Review D*, 2018, vol. 98, no. 1, art. no. 012003. (2017: 4.394 - IF, Q1 - JCR, 1.801 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.98.012003>

Ohlasy:

1. [1.1] BAKER, M.J. - FUENTES-MARTIN, J. - ISIDORI, G. -

- KONIG, M. High-p(T) signatures in vector-leptoquark models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, APR 13 2019, vol. 79, no. 4., Registrované v: WOS
2. [1.1] ENGLERT, C. - JAECKEL, J. - SPANNOVSKY, M. - STYLIANOU, P. Power meets precision to explore the symmetric Higgs portal. In PHYSICS LETTERS B. ISSN 0370-2693, JUL 10 2020, vol. 806., Registrované v: WOS
3. [1.1] HOANG, A.H. What Is the Top Quark Mass?. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 225-255., Registrované v: WOS
4. [1.1] JU, W.L. - WANG, G.X. - WANG, X. - XU, X.F. - XU, Y.Q. - YANG, L.L. Invariant-mass distribution of top-quark pairs and top-quark mass determination*. In CHINESE PHYSICS C. ISSN 1674-1137, SEP 2020, vol. 44, no. 9., Registrované v: WOS

ADCA634 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurements of underlying-event properties using neutral and charged particles in pp collisions at root s=900 GeV and root s=7 TeV with the ATLAS detector at the LHC. In *European Physical Journal C*, 2011, vol. 71, no. 5, art. no. 1636. (2010: 3.248 - IF, Q2 - JCR, 2.215 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1434-6044.

Ohlasy:

1. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
2. [1.1] BELLM, J. - GIESEKE, S. - KIRCHGAESSER, P. Improving the description of multiple interactions in Herwig. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 25 2020, vol. 80, no. 5., Registrované v: WOS
3. [1.1] KHAN, R. - AJAZ, M. - ALI, Y. - YOUNIS, H. - KHAN, G. - WAZIR, Z. - ZAMAN, A. - KHAN, A. Model Predictions of Charged-Particle Azimuthal Distributions and Forward-Backward Correlations in pp Interactions at root s=900 GeV. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, OCT 2019, vol. 71, no. 10, p. 1172-1178., Registrované v: WOS
4. [1.1] KUMAR, R. - BANSAL, M. - BANSAL, S. - SINGH, J. B. New observables for multiple-parton interactions measurements using Z plus jets processes at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 054019., Registrované v: WOS
5. [1.1] MEHDIABADI, S.P. - FAHIM, A. Explicit jet veto as a tool to purify the underlying event in the Drell-Yan process using CMS Open Data. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, SEP 2019, vol. 46, no. 9., Registrované v: WOS
6. [1.1] ORTIZ, Antonio - VALENCIA PALOMO, Lizardo. Universality of the underlying event in pp collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 114019., Registrované v: WOS
7. [1.1] SAPETA, Sebastian. QCD and jets at hadron colliders. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410,

2016, vol. 89, pp. 1-55., Registrované v: WOS

8. [1.1] STEWART, Iain W. - TACKMANN, Frank J. - WAALEWIJN, Wouter J. Dissecting Soft Radiation with Factorization. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 9, art. no. 092001., Registrované v: WOS

ADCA635 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Measurements of W and Z boson production in pp collisions at $\sqrt{s}=5.02$ TeV with the ATLAS detector. In *European Physical Journal C*, 2019, vol. 79, no. 2, art. no. 128. (2018: 4.843 - IF, Q1 - JCR, 1.972 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-019-6622-x>

Ohlasy:

1. [1.1] D'ENTERRIA, D. - POLDARU, A. Extraction of the strong coupling $\alpha(s)(m(Z))$ from a combined NNLO analysis of inclusive electroweak boson cross sections at hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 1 2020, no. 6., Registrované v: WOS

2. [1.1] ESKOLA, K.J. - HELENIUS, I. - KUHA, M. - PAUKKUNEN, H. Shadowing in Inelastic Nucleon-Nucleon Cross Section?. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, NOV 18 2020, vol. 125, no. 21., Registrované v: WOS

3. [1.1] GRAZIANI, G. Heavy ion and fixed-target physics at ATLAS, CMS and LHCb. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, OCT-DEC 2019, vol. 42, no. 6., Registrované v: WOS

ADCA636 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCÉI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurements of W gamma and Z gamma production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector at the LHC. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2013, vol. 87, no. 11, art. no. 112003. (2012: 4.691 - IF, Q1 - JCR, 2.725 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.87.112003>

Ohlasy:

1. [1.1] AHMADOV, A.I. W Boson Pair Production in Association with the Photon in Proton-Proton Collisions at LHC Energies. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, SEP 2019, vol. 58, no. 9, p. 2770-2794., Registrované v: WOS

2. [1.1] EBOLI, O. J. P. - GONZALEZ-GARCIA, M. C. Classifying the bosonic quartic couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 093013., Registrované v: WOS

3. [1.1] ETESAMI, Seyed Mohsen - KHATIBI, Sara - NAJAFABADI, Mojtaba Mohammadi. Measuring anomalous WW and t couplings using top plus production at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 10., Registrované v: WOS

4. [1.1] GRAZZINI, Massimiliano - KALLWEIT, Stefan -

- WIESEMANN, Marius. Fully differential NNLO computations with MATRIX. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 7, art. no. 537., Registrované v: WOS
5. [1.1] HAN, Chengcheng - WU, Lei - YANG, Jin Min - ZHANG, Mengchao - ZHANG, Yang. New approach for detecting a compressed bino/wino at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055030., Registrované v: WOS
6. [1.1] LUZIO, Luca Di - KAMENIK, Jernej F. - NARDECCHIA, Marco. Implications of perturbative unitarity for scalar di-boson resonance searches at LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 1, art. no. 30., Registrované v: WOS
7. [1.1] MCDERMOTT, Samuel D. - MEADE, Patrick - RAMANI, Harikrishnan. Singlet scalar resonances and the diphoton excess. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 755, pp. 353-357., Registrované v: WOS
8. [1.1] MERKOTAN, K. K. - ZELENTSOVA, T. M. - CHUDAK, N. O. - PTASHYNSKIY, D. A. - URBANEVICH, V. V. - POTIIENKO, O. S. - VOITENKO, V. V. - BEREZOVSKIY, O. D. - SHARPH, I. V. - RUSOV, V. D. A NEW SYMMETRY OF ELECTROWEAK LAGRANGIAN. In EAST EUROPEAN JOURNAL OF PHYSICS. ISSN 2312-4334, 2018, vol. 5, no. 2, pp. 35-48., Registrované v: WOS
9. [1.1] RAHAMAN, Rafiqul - SINGH, Ritesh K. On polarization parameters of spin-1 particles and anomalous couplings in $e^{+}e^{-} \rightarrow ZZ/\gamma$. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 10, art. no. 539., Registrované v: WOS
10. [1.1] RAHAMAN, R. - SINGH, R.K. Probing the anomalous triple gauge boson couplings in $e^{+}e^{-} \rightarrow W+W-$ using W polarizations with polarized beams. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 24 2020, vol. 101, no. 7., Registrované v: WOS

ADCA637 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABELOOS, B. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurements of $W^{+/-}Z$ production cross sections in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector and limits on anomalous gauge boson self-couplings. In *Physical Review D*, 2016, vol. 93, no. 9, art. no. 092004. (2015: 4.506 - IF, Q2 - JCR, 2.236 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.93.092004>

Ohlasy:

1. [1.1] AHMADOV, A.I. W Boson Pair Production in Association with the Photon in Proton-Proton Collisions at LHC Energies. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, SEP 2019, vol. 58, no. 9, p. 2770-2794., Registrované v: WOS
2. [1.1] ALMEIDA, E.D. - ALVES, A. - ROSA-AGOSTINHO, N. - EBOLI, O.J.P. - GONZALEZ-GARCIA, M.C. Electroweak sector under scrutiny: A combined analysis of LHC and electroweak precision data. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 6 2019, vol. 99, no. 3., Registrované v: WOS
3. [1.1] ALMEIDA, E.D. - ROSA-AGOSTINHO, N. - EBOLI, O.J.P. - GONZALEZ-GARCIA, M.C. Light-quark dipole operators at the LHC. In

PHYSICAL REVIEW D. ISSN 2470-0010, JUL 22 2019, vol. 100, no. 1.,
Registrované v: WOS

4. [1.1] ALVES, Alexandre - ROSA AGOSTINHO, N. - EBOLI, Oscar J. P. - GONZALEZ-GARCIA, M. C. Effect of fermionic operators on the gauge legacy of the LHC Run I. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 013006., Registrované v: WOS

5. [1.1] ARGANDA, E. - GARCIA-GARCIA, C. - HERRERO, M.J. Probing the Higgs self-coupling through double Higgs production in vector boson scattering at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, AUG 2019, vol. 945., Registrované v: WOS

6. [1.1] BAGLIO, J. - DAWSON, S. - HOMILLER, S. QCD corrections in Standard Model EFT fits to WZ and WW production. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 30 2019, vol. 100, no. 11., Registrované v: WOS

7. [1.1] BAGLIO, J. - DAWSON, S. - HOMILLER, S. - LANE, S.D. - LEWIS, I.M. Validity of standard model EFT studies of VH and VV production at NLO. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 1 2020, vol. 101, no. 11., Registrované v: WOS

8. [1.1] BAGLIO, J. - NINH, L.D. Fiducial polarization observables in hadronic WZ production: a next-to-leading order QCD plus EW study. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 8 2019, no. 4., Registrované v: WOS

9. [1.1] BECHER, T. - HAGER, M. Event-based transverse momentum resummation. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 8 2019, vol. 79, no. 8., Registrované v: WOS

10. [1.1] BEURIA, Jyotiranjana - DATA, Asesh Krishna - DEBNATH, Dipsikha - MATCHEV, Konstantin T. LHC collider phenomenology of minimal universal extra dimensions. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 226, pp. 187-205., Registrované v: WOS

11. [1.1] BIEKOTTER, A. - CORBETT, T. - PLEHN, T. The Gauge-Higgs legacy of the LHC run II. In SCIPOST PHYSICS. ISSN 2542-4653, JUN 2019, vol. 6, no. 6., Registrované v: WOS

12. [1.1] DAWSON, Sally - ISMAIL, Ahmed. Standard model EFT corrections to Z boson decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 093003., Registrované v: WOS

13. [1.1] FRANCESCHINI, Roberto - PANICO, Giuliano - POMAROL, Alex - RIVA, Francesco - WULZER, Andrea. Electroweak precision tests in high-energy diboson processes. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 111., Registrované v: WOS

14. [1.1] GAVELA, M. B. - KANSHIN, K. - MACHADO, P. A. N. - SAA, S. The linear-non-linear frontier for the Goldstone Higgs. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 12, art. no. 690., Registrované v: WOS

15. [1.1] GRAZZINI, Massimiliano - KALLWEIT, Stefan - WIESEMANN, Marius. Fully differential NNLO computations with MATRIX. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 7, art. no. 537., Registrované v: WOS

16. [1.1] GROJEAN, C. - MONTULL, M. - RIEMBAU, M. Diboson at the LHC vs LEP. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 5 2019, no. 3., Registrované v: WOS

17. [1.1] CHIESA, Mauro - DENNER, Ansgar - LANG, Jean-Nicolas. Anomalous triple-gauge-boson interactions in vector-boson pair production with RECOLA2. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 467., Registrované v: WOS
18. [1.1] JAGER, B. - KARLBERG, A. - SCHELLER, J. Parton-shower effects in electroweak WZjj production at the next-to-leading order of QCD. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 12 2019, vol. 79, no. 3., Registrované v: WOS
19. [1.1] KALINOWSKI, Jan - KOZOW, Pawel - POKORSKI, Stefan - ROSIEK, Janusz - SZLEPER, Michal - TKACZYK, Slawomir. Same-sign WW scattering at the LHC: can we discover BSM effects before discovering new states? In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 5, art. no. 403., Registrované v: WOS
20. [1.1] KOZOW, P. - MERLO, L. - POKORSKI, S. - SZLEPER, M. Same-sign WW scattering in the HEFT: discoverability vs. EFT validity. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 4 2019, no. 7., Registrované v: WOS
21. [1.1] RAHAMAN, R. - SINGH, R.K. Probing the anomalous triple gauge boson couplings in $e^{+}e^{-} \rightarrow W+W^{-}$ using W polarizations with polarized beams. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 24 2020, vol. 101, no. 7., Registrované v: WOS
22. [1.1] RAHAMAN, R. - SINGH, R.K. Unravelling the anomalous gauge boson couplings in $ZW^{+/-}$ production at the LHC and the role of spin-1 polarizations. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 14 2020, no. 4., Registrované v: WOS
23. [1.1] SENOL, A. - KOKSAL, M. - INAN, S. C. Probe of the Anomalous Quartic Couplings with Beam Polarization at the CLIC. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, art. no. 6970587., Registrované v: WOS
24. [1.1] SHAO, H.S. Probing impact-parameter dependent nuclear parton densities from double parton scatterings in heavy-ion collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 26 2020, vol. 101, no. 5., Registrované v: WOS
25. [1.1] ZHANG, C. - ZHOU, S.Y. Positivity bounds on vector boson scattering at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 4 2019, vol. 100, no. 9., Registrované v: WOS

ADCA638 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABELOOS, B. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Measurements of Z gamma and Z gamma gamma production in pp collisions at root s=8 TeV with the ATLAS detector. In *Physical Review D*, 2016, vol. 93, no. 11, art. no. 112002. (2015: 4.506 - IF, Q2 - JCR, 2.236 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.93.112002>

Ohlasy:

1. [1.1] BILLUR, A. A. - KOKSAL, M. - GUTIERREZ-RODRIGUEZ, A. - HERNANDEZ-RUIZ, M. A. Model-independent sensibility studies for the anomalous dipole moments of the $\nu(\tau)$ at the CLIC based $e^{+}e^{-}$ and gamma e^{-} colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095013., Registrované v: WOS

2. [1.1] FORTE, S. - LEVY, A. - RIDOLFI, G. From My Vast Repertoire ... Guido Altarelli's Legacy Preface. In FROM MY VAST REPERTOIRE ... : GUIDO ALTARELLI'S LEGACY. 2019, p. V-+., Registrované v: WOS
3. [1.1] GRAZZINI, Massimiliano - KALLWEIT, Stefan - WIESEMANN, Marius. Fully differential NNLO computations with MATRIX. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 7, art. no. 537., Registrované v: WOS
4. [1.1] GUTIERREZ-RODRIGUEZ, A. - KOKSAL, M. - BILLUR, A.A. - HERNANDEZ-RUIZ, M.A. Studies on the anomalous magnetic and electric dipole moments of the tau-neutrino in pp collisions at the LHC. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, AUG 2019, vol. 55, no. 8., Registrované v: WOS
5. [1.1] HUANG, Fa Peng - LI, Chong Sheng - LIU, Ze Long - WANG, Yan. Diphoton and dark matter from cascade decay. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055025., Registrované v: WOS
6. [1.1] KOKSAL, M. - ARI, V. - SENOL, A. Search for Anomalous Quartic ZZ gamma gamma Couplings in Photon-Photon Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 8672391., Registrované v: WOS
7. [1.1] RAHAMAN, Rafiqul - SINGH, Ritesh K. On the choice of beam polarization in $e^{(+)}e^{(-)} \rightarrow ZZ/Z$ gamma and anomalous triple gauge-boson couplings. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 8, art. no. 521., Registrované v: WOS
8. [1.1] SENOL, A. - KOKSAL, M. - INAN, S. C. Probe of the Anomalous Quartic Couplings with Beam Polarization at the CLIC. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, art. no. 6970587., Registrované v: WOS
9. [1.1] WIESEMANN, M. - ROTTOLI, L. - TORRIELLI, P. The Z gamma transverse-momentum spectrum at NNLO+(NLL)-L-3. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS

ADCA639 ACHARYA, S. - ADAMOŮÁ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Measuring (KSK +/-)-K-0 interactions using Pb-Pb collisions at root S-NN=2.76 TeV. In *Physics Letters B*, 2017, vol. 774, p. 64-77. (2016: 4.807 - IF, Q1 - JCR, 3.032 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2017.09.009>

Ohlasy:

1. [1.1] ACHASOV, N. N. - KISELEV, A. V. $a(0)(980)$ physics in semileptonic D-0 and D+ decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 096009., Registrované v: WOS
2. [1.1] ACHASOV, N. N. - KISELEV, A. V. Light scalar mesons and two-kaon correlation functions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 036015., Registrované v: WOS
3. [1.1] ACHASOV, N.N. Fate of Light Scalar Mesons. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, JUL 2020, vol. 51, no. 4, p. 632-639., Registrované v: WOS

ADCA640 ACHARYA, S. - ACOSTA, F.T. - ADAMOVÁ, D. - ADLER, A. - ADOLFSSON, J. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Medium modification of the shape of small-radius jets in central Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV. In *Journal of High Energy Physics*, 2018, no. 10, art. no. 139. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP10\(2018\)139](https://doi.org/10.1007/JHEP10(2018)139)

Ohlasy:

1. [1.1] AGAFONOVA, Veronika. Study of Jet Shape Observables in Au+Au Collisions at $\sqrt{sNN} = 200$ GeV with JEWEL. In UNIVERSE. ISSN 2218-1997, 2019, vol. 5, no. 5, art. no. 114., Registrované v: WOS
2. [1.1] BREWER, Jasmine - MILHANO, Jose Guilherme - THALER, Jesse. Sorting Out Quenched Jets. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 22, art. no. 222301., Registrované v: WOS
3. [1.1] KANG, Zhong-Bo - LEE, Kyle - LIU, Xiaohui - RINGER, Felix. Soft drop groomed jet angularities at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 793, pp. 41-47., Registrované v: WOS
4. [1.1] KARPENKO, I. - AICHELIN, J. - GOSSIAUX, P. - ROHRMOSER, M. - WERNER, K. Jet overlap in heavy ion collisions at energies available at the CERN Large Hadron Collider and its consequences for the jet shape. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 9 2020, vol. 101, no. 1., Registrované v: WOS
5. [1.1] MEHTAR-TANI, Y. - SOTO-ONTOSO, A. - TYWONIUK, K. Dynamical grooming of QCD jets. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 6 2020, vol. 101, no. 3., Registrované v: WOS
6. [1.1] QIU, Jian-Wei - RINGER, Felix - SATO, Nobuo - ZURITA, Pia. Factorization of Jet Cross Sections in Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 25, art. no. 252301., Registrované v: WOS

ADCA641 ABDELLAOUI, G. - ABE, S. - ACHELI, A. - ADAMS, J.H. Jr. - AHMAD, Salleh - BOBÍK, Pavol - KUDELA, Karel - PASTIRČÁK, Blahoslav - PUTIŠ, Marián. Meteor studies in the framework of the JEM-EUSO program. In *Planetary and Space Science*, 2017, vol. 143, p. 245-255. (2016: 1.892 - IF, Q3 - JCR, 1.207 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS, NASA ADS). ISSN 0032-0633. Dostupné na: <https://doi.org/10.1016/j.pss.2016.12.001>

Ohlasy:

1. [1.1] ROIBAS-MILLAN, Elena - CUBAS, Javier - PINDADO, Santiago. Studies on Cup Anemometer Performances Carried out at IDR/UPM Institute. Past and Present Research. In ENERGIES. ISSN 1996-1073, 2017, vol. 10, no. 11., Registrované v: WOS

ADCA642 AAMODT, K. - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - PASTIRČÁK, Blahoslav - ŠÁNDOR, Ladislav - VALA, Martin. Midrapidity Antiproton-to-Proton Ratio in pp Collisions $\sqrt{s}=0.9$ and 7 TeV Measured by the ALICE Experiment. In *Physical Review Letters*, 2010, vol. 105, no. 7, art. no. 072002. (2009: 7.328 - IF, 6.325 - SJR, Q1 - SJR, Current

Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.
Dostupné na: <https://doi.org/10.1103/PhysRevLett.105.072002>

Ohlasy:

1. [1.1] AJAZ, M. - BILAL, M. - ALI, Y. - SULEYMANOV, M.K. - KHAN, K.H. Models prediction of hadrons production ratios in pp collisions at root $s=7$ TeV. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, APR 30 2019, vol. 34, no. 13., Registrované v: WOS
2. [1.1] ARAKELYAN, G. H. - MERINO, C. - SHABELSKI, Yu. M. Net-Baryon Production in Nucleus-Nucleus Collisions and Rare QGP Events. In 1ST INTERNATIONAL KAIDALOV WORKSHOP ON THE PHENOMENOLOGY OF HIGH ENERGY PARTICLE PHYSICS. ISSN 1742-6588, 2015, vol. 607, art. no. 012006., Registrované v: WOS
3. [1.1] ARAKELYAN, G. H. - MERINO, C. - SHABELSKI, Yu. M. Midrapidity hyperon production in pp and pA collisions from low to LHC energies. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 1, art. no. 9., Registrované v: WOS
4. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
5. [1.1] FULEK, Lukasz. Measurements of Identified Particle Spectra in Diffractive pp Collisions with the STAR Detector at RHIC. In DIFFRACTION 2016: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2017, vol. 1819, art. no. UNSP 040007-1., Registrované v: WOS
6. [1.1] FULEK, L. MEASUREMENTS OF PARTICLE SPECTRA IN DIFFRACTIVE PROTON-PROTON COLLISIONS WITH THE STAR DETECTOR AT RHIC. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 4, p. 999-1004., Registrované v: WOS
7. [1.1] HUANG, Ding-wei. Temporal evolution of multi-author papers in basic sciences from 1960 to 2010. In SCIENTOMETRICS. ISSN 0138-9130, 2015, vol. 105, no. 3, pp. 2137-2147., Registrované v: WOS
8. [1.1] KUNDU, Sourav. Identified Hadron Production in Proton-Proton Collisions at root $s=13$ TeV with ALICE at the LHC. In XXII DAE HIGH ENERGY PHYSICS SYMPOSIUM. ISSN 0930-8989, 2018, vol. 203, pp. 497-499., Registrované v: WOS
9. [1.1] SHEN, K.M. Analysis on hadron spectra in heavy-ion collisions with a new non-extensive approach. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, OCT 2019, vol. 46, no. 10., Registrované v: WOS
10. [1.1] SIDERI, Theodora - YASHIRODA, Yoko - ELLIS, David A. - RODRIGUEZ-LOPEZ, Maria - YOSHIDA, Minoru - TUIE, Mick F. - BAEHLER, Juerg. The copper transport-associated protein Ctr4 can form prion-like epigenetic determinants in Schizosaccharomyces pombe. In MICROBIAL CELL. ISSN 2311-2638, 2017, vol. 4, no. 1, pp. 16-28., Registrované v: WOS
11. [1.1] WERNER, K. - KNOSPE, A. G. - MARKERT, C. - GUIOT, B. - KARPENKO, Iu. - PIEROG, T. - SOPHYS, G. - STEFANIAK, M. - BLEICHER, M. - STEINHEIMER, J. Resonance production in high energy

collisions from small to big systems. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 09002., Registrované v: WOS
 12. [1.1] WINKLER, Martin Wolfgang. Cosmic ray antiprotons at high energies. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2017, no. 2, art. no. 048., Registrované v: WOS
 13. [1.1] ZHENG, H. - ZHU, X.R. - ZHU, L.L. - BONASERA, A. Systematic investigation of the particle spectra in heavy-ion collisions at the Large Hadron Collider. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, JUL 10 2020, vol. 35, no. 21., Registrované v: WOS

ADCA643 ABBAS, E. - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Mid-rapidity anti-baryon to baryon ratios in pp collisions at $s = 0.9, 2.76$ and 7 TeV measured by ALICE (ALICE Collaboration). In *European Physical Journal C*, 2013, vol. 73, no. 7, art. no. 2496. (2012: 5.247 - IF, Q1 - JCR, 3.034 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-013-2496-5>

Ohlasy:

1. [1.1] HOENEISEN, B. Ratio between two Lambda and (Lambda)over-bar production mechanisms in p scattering. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 760, pp. 242-243., Registrované v: WOS
2. [1.1] INAM-UL BASHIR - PARRA, R.A. - BHAT, R.A. - UDDIN, S. Particle Transverse Momentum Distributions in p-p Collisions at $s_{NN}=0.9$ TeV. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2019, vol. 2019., Registrované v: WOS
3. [1.1] RAGAB, N.A. - SHE, Z.L. - CHEN, G. Light (anti-)nuclei and (anti-)hypertriton production in pp collisions at $\sqrt{s}=0.90, 2.76$ and 7 TeV. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, SEP 17 2020, vol. 135, no. 9., Registrované v: WOS

ADCA644 AABOUD, M. - AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - BRUNCKO, Dušan - STRÍŽENEC, Pavol - URBÁN, Jozef. Modelling radiation damage to pixel sensors in the ATLAS detector. In *Journal of Instrumentation*, 2019, vol. 14, no. 6, art. no. P06012. (2018: 1.366 - IF, Q3 - JCR, 0.685 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1748-0221. Dostupné na: <https://doi.org/10.1088/1748-0221/14/06/P06012>

Ohlasy:

1. [1.1] BALBI, G. Operational Experience and Performance with the ATLAS Pixel detector at the Large Hadron Collider. In 2019 IEEE NUCLEAR SCIENCE SYMPOSIUM AND MEDICAL IMAGING CONFERENCE (NSS/MIC). ISSN 1095-7863, 2019., Registrované v: WOS

ADCA645 ABELEV, Betty - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Multiparticle azimuthal correlations in p-Pb and Pb-Pb collisions at the CERN Large Hadron Collider. In *Physical Review C. Nuclear physics*, 2014, vol. 90, no. 5, art. no. 054901. (2013: 3.881 - IF, Q1 - JCR, 2.584 - SJR, Q1 - SJR, Current Contents - CCC). (2014 -

Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na:
<https://doi.org/10.1103/PhysRevC.90.054901>

Ohlasy:

1. [1.1] ALQAHTANI, Mubarak - NOPOUSH, Mohammad - RYBLEWSKI, Radoslaw - STRICKLAND, Michael. Anisotropic hydrodynamic modeling of 2.76 TeV Pb-Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 4, art. no. 044910., Registrované v: WOS
2. [1.1] ALQAHTANI, Mubarak - NOPOUSH, Mohammad - RYBLEWSKI, Radoslaw - STRICKLAND, Michael. (3+1)D Quasiparticle Anisotropic Hydrodynamics for Ultrarelativistic Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 4, art. no. 042301., Registrované v: WOS
3. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
4. [1.1] BERNHARD, Jonah E. - MARCY, Peter W. - COLEMAN-SMITH, Christopher E. - HUZURBAZAR, Snehalata - WOLPERT, Robert L. - BASS, Steffen A. Quantifying properties of hot and dense QCD matter through systematic model-to-data comparison. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 5, art. no. 054910., Registrované v: WOS
5. [1.1] BLOK, B. - WIEDEMANN, U.A. Collectivity in pp from resummed interference effects?. In PHYSICS LETTERS B. ISSN 0370-2693, AUG 10 2019, vol. 795, p. 259-265., Registrované v: WOS
6. [1.1] BOER, Daniel - VAN DAAL, Tom - MULDER, Piet J. - PETRESKA, Elena. Directed flow from C-odd gluon correlations at small x. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 140., Registrované v: WOS
7. [1.1] BOZEK, Piotr. Small systems hydrodynamics. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 208-215., Registrované v: WOS
8. [1.1] DERRADI DE SOUZA, R. - KOIDE, T. - KODAMA, T. Hydrodynamic approaches in relativistic heavy ion reactions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 86, pp. 35-85., Registrované v: WOS
9. [1.1] DUMITRU, Adrian - LAPPI, Tuomas - SKOKOV, Vladimir. Distribution of Linearly Polarized Gluons and Elliptic Azimuthal Anisotropy in Deep Inelastic Scattering Dijet Production at High Energy. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 25, art. no. 252301., Registrované v: WOS
10. [1.1] DUMITRU, Adrian - SKOKOV, Vladimir. Anisotropy of the semiclassical gluon field of a large nucleus at high energy. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 7, art. no. 074006., Registrované v: WOS
11. [1.1] DUSLING, Kevin - LI, Wei - SCHENKE, Bjoern. Novel collective phenomena in high-energy proton-proton and proton-nucleus collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 1, art. no. 1630002., Registrované v: WOS
12. [1.1] DUSLING, Kevin - MACE, Mark - VENUGOPALAN, Raju.

Parton model description of multiparticle azimuthal correlations in pA collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 016014., Registrované v: WOS

13. [1.1] DUSLING, Kevin - MACE, Mark - VENUGOPALAN, Raju. Multiparticle Collectivity from Initial State Correlations in High Energy Proton-Nucleus Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 4, art. no. 042002., Registrované v: WOS

14. [1.1] FUJII, Hirotugu - WATANABE, Kazuhiro. Leptons from heavy-quark semileptonic decay in pA collisions within the GC framework. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 951, pp. 45-59., Registrované v: WOS

15. [1.1] GIACALONE, Giuliano - NORONHA-HOSTLER, Jacquelyn - OLLITRAULT, Jean-Yves. Relative flow fluctuations as a probe of initial state fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 5, art. no. 054910., Registrované v: WOS

16. [1.1] GIACALONE, Giuliano - YAN, Li - NORONHA-HOSTLER, Jacquelyn - OLLITRAULT, Jean-Yves. Skewness of elliptic flow fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 1, art. no. 014913., Registrované v: WOS

17. [1.1] GIACALONE, Giuliano - NORONHA-HOSTLER, Jacquelyn - LUZUM, Matthew - OLLITRAULT, Jean-Yves. Hydrodynamic predictions for 5.44 TeV Xe+Xe collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034904., Registrované v: WOS

18. [1.1] GOTSMAN, E. - LEVIN, E. Azimuthal angle correlations at large rapidities: revisiting density variation mechanism. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 11, art. no. 773., Registrované v: WOS

19. [1.1] GOTSMAN, E. - LEVIN, E. - POTASHNIKOVA, I. A. CGC/saturation approach for angular correlations in proton-proton scattering. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 632., Registrované v: WOS

20. [1.1] GOTSMAN, E. - LEVIN, E. CGC/saturation approach: re-visiting the problem of odd harmonics in angular correlations. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 792., Registrované v: WOS

21. [1.1] CHKHAIDZE, L. - CHLACHIDZE, G. - DJOBAVA, T. - GALOYAN, A. - KHARKHELAURI, L. - TOGOO, R. - UZHINSKY, V. Study of collective flows of protons and pi(-)-mesons in p plus C, Ta and He plus Li, C collisions at momenta of 4.2, 4.5 and 10 AGeV/c. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 11, art. no. 351., Registrované v: WOS

22. [1.1] IANCU, Edmond - REZAEIAN, Amir H. Elliptic flow from color-dipole orientation in pp and pA collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 094003., Registrované v: WOS

23. [1.1] JAISWAL, Amaresh - BHADURI, Partha Pratim. Effect of an anisotropic escape mechanism on elliptic flow in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 4, art. no. 044909., Registrované v: WOS

24. [1.1] JIA, Jiangyong - RADHAKRISHNAN, Sooraj. Limitation of multiparticle correlations for studying the event-by-event distribution of

harmonic flow in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 2, art. no. 024911., Registrované v: WOS

25. [1.1] KE, Weiyao - MORELAND, J. Scott - BERNHARD, Jonah E. - BASS, Steffen A. Constraints on rapidity-dependent initial conditions from charged-particle pseudorapidity densities and two-particle correlations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 4, art. no. 044912., Registrované v: WOS

26. [1.1] KLASSEN, M. - KOVARIK, K. - POTTHOFF, J. Nuclear parton density functions from jet production in DIS at an EIC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 094013., Registrované v: WOS

27. [1.1] KOVNER, Alex - LUBLINSKY, Michael - SKOKOV, Vladimir. Exploring correlations in the CGC wave function: Odd azimuthal anisotropy. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 016010., Registrované v: WOS

28. [1.1] KOVNER, Alex - REZAEIAN, Amir H. Double parton scattering in the CGC: Double quark production and effects of quantum statistics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074018., Registrované v: WOS

29. [1.1] KOVNER, Alex - REZAEIAN, Amir H. Double parton scattering in the color glass condensate: Hanbury-Brown-Twiss correlations in double inclusive photon production. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 114028., Registrované v: WOS

30. [1.1] KOVNER, Alex - REZAEIAN, Amir H. Multiquark production in p plus A collisions: Quantum interference effects. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 074008., Registrované v: WOS

31. [1.1] KOVNER, Alex - SKOKOV, Vladimir V. Does shape matter? $v(2)$ vs eccentricity in small x gluon production. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 785, pp. 372-380., Registrované v: WOS

32. [1.1] KURKELA, Aleksa - WIEDEMANN, Urs Achim - WU, Bin. Nearly isentropic flow at sizeable η/s . In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 274-279., Registrované v: WOS

33. [1.1] KURKELA, A. - MAZELIAUSKAS, A. Chemical Equilibration in Hadronic Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, APR 10 2019, vol. 122, no. 14., Registrované v: WOS

34. [1.1] KURKELA, A. - TAGHAVI, S.F. - WIEDEMANN, U.A. - WU, B. Hydrodynamization in systems with detailed transverse profiles. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS

35. [1.1] KURKELA, A. - WIEDEMANN, U.A. - WU, B. Flow in AA and pA as an interplay of fluid-like and non-fluid like excitations. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS

36. [1.1] KURKELA, A. - WIEDEMANN, U.A. - WU, B. Opacity dependence of elliptic flow in kinetic theory. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 2019, vol. 79, no. 9., Registrované v: WOS

37. [1.1] LAPPI, T. Azimuthal harmonics of color fields in a high energy nucleus. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 744, pp. 315-319., Registrované v: WOS

38. [1.1] MA, L. - MA, G. L. - MA, Y. G. Initial partonic eccentricity fluctuations in a multiphase transport model. In PHYSICAL REVIEW C. ISSN

- 2469-9985, 2016, vol. 94, no. 4, art. no. 044915., Registrované v: WOS
39. [1.1] MORELAND, J. Scott - BERNHARD, Jonah E. - BASS, Steffen A. Alternative ansatz to wounded nucleon and binary collision scaling in high-energy nuclear collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 1, art. no. 011901., Registrované v: WOS
40. [1.1] MORELAND, J. Scott - BERNHARD, Jonah E. - KE, Weiyao - BASS, Steffen A. Flow in small and large quark-gluon plasma droplets: the role of nucleon substructure. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 361-364., Registrované v: WOS
41. [1.1] NAGLE, James L. - ZAJC, William A. Small System Collectivity in Relativistic Hadronic and Nuclear Collisions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 68. ISSN 0163-8998, 2018, vol. 68, pp. 211-235., Registrované v: WOS
42. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS
43. [1.1] NORONHA-HOSTLER, Jacquelyn - BETZ, Barbara - GYULASSY, Miklos - LUZUM, Matthew - NORONHA, Jorge - PORTILLO, Israel - RATTI, Claudia. Cumulants and nonlinear response of high p(T) harmonic flow at root s(NN)=5.02 TeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 4, art. no. 044901., Registrované v: WOS
44. [1.1] OEZOENDER, Sener. Long range azimuthal correlations of multiple gluons in gluon saturation limit. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 054036., Registrované v: WOS
45. [1.1] OEZOENDER, Sener. Triple-gluon and quadruple-gluon azimuthal correlations from glasma and higher-dimensional ridges. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 034005., Registrované v: WOS
46. [1.1] OZONDER, Sener. Cumulant expansion in gluon saturation and five- and six-gluon azimuthal correlations. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074005., Registrované v: WOS
47. [1.1] PIEROG, T. - KARPENKO, Iu. - KATZY, J. M. - YATSENKO, E. - WERNER, K. EPOS LHC: Test of collective hadronization with data measured at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 92, no. 3, art. no. 034906., Registrované v: WOS
48. [1.1] ROGLY, Rudolph - GIACALONE, Giuliano - OLLITRAULT, Jean-Yves. Reconstructing the impact parameter of proton-nucleus and nucleus-nucleus collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 024902., Registrované v: WOS
49. [1.1] SHEN, Chun - QIU, Zhi - SONG, Huichao - BERNHARD, Jonah - BASS, Steffen - HEINZ, Ulrich. The iEBE-VISHNU code package for relativistic heavy-ion collisions. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2016, vol. 199, pp. 61-85., Registrované v: WOS
50. [1.1] SCHENKE, B. - SHEN, C. - TRIBEDY, P. Running the gamut of high energy nuclear collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, OCT 15 2020, vol. 102, no. 4., Registrované v: WOS
51. [1.1] SCHENKE, B. - SHEN, C. - TRIBEDY, P. Hybrid Color Glass

Condensate and hydrodynamic description of the Relativistic Heavy Ion Collider small system scan. In PHYSICS LETTERS B. ISSN 0370-2693, APR 10 2020, vol. 803., Registrované v: WOS

52. [1.1] SCHLICHTING, Soren. Initial state and pre-equilibrium effects in small systems. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 216-221., Registrované v: WOS

53. [1.1] SIEVERT, M. - NORONHA-HOSTLER, J. CERN Large Hadron Collider system size scan predictions for PbPb, XeXe, ArAr, and OO with relativistic hydrodynamics. In PHYSICAL REVIEW C. ISSN 2469-9985, AUG 2 2019, vol. 100, no. 2., Registrované v: WOS

54. [1.1] SKOKOV, Vladimir. High order cumulants of the azimuthal anisotropy in the dilute-dense limit: Connected graphs. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 054014., Registrované v: WOS

55. [1.1] WELSH, Kevin - SINGER, Jordan - HEINZ, Ulrich. Initial-state fluctuations in collisions between light and heavy ions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024919., Registrované v: WOS

56. [1.1] YAN, Li - OLLITRAULT, Jean-Yves. $v(4)$, $v(5)$, $v(6)$, $v(7)$: Nonlinear hydrodynamic response versus LHC data. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 744, pp. 82-87., Registrované v: WOS

57. [1.1] YAN, Li. A flow paradigm in heavy-ion collisions. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 4, art. no. 042001., Registrované v: WOS

58. [1.1] ZHAO, W.B. - KO, C.M. - LIU, Y.X. - QIN, G.Y. - SONG, H.C. Probing the Partonic Degrees of Freedom in High-Multiplicity p-Pb collisions at $\sqrt{s(NN)}=5.02$ TeV. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, AUG 12 2020, vol. 125, no. 7., Registrované v: WOS

ADCA646 ADAM, J. - ADAMOVIĆ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Multipion Bose-Einstein correlations in pp, p-Pb collisions at energies available at the CERN Large Hadron Collider. In *Physical Review C. Nuclear Physics*, 2016, vol. 93, no. 5, art. no. 054908. (2015: 3.146 - IF, Q2 - JCR, 1.993 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.93.054908>

Ohlasy:

1. [1.1] AYALA, Alejandro - MERCADO, Pedro - VILLAVICENCIO, C. Magnetic catalysis of a finite-size pion condensate. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 1, art. no. 014904., Registrované v: WOS

2. [1.1] BARY, Ghulam - RU, Peng - ZHANG, Wei-Ning. Analyses of multi-pion Hanbury Brown-Twiss correlations for the pion-emitting sources with Bose-Einstein condensation. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 6, art. no. 065102., Registrované v: WOS

3. [1.1] BARY, Ghulam - RU, Peng - ZHANG, Wei-Ning. Normalized multi-pion Hanbury-Brown-Twiss correlation functions of pion-emitting sources with Bose-Einstein condensation. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 11., Registrované v: WOS

4. [1.1] BEGUN, Viktor. Fluctuations as a test of chemical

nonequilibrium at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 5, art. no. 054904., Registrované v: WOS

5. [1.1] DONG, Xin - LEE, Yen-Jie - RAPP, Ralf. Open Heavy-Flavor Production in Heavy-Ion Collisions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 69. ISSN 0163-8998, 2019, vol. 69, pp. 417-445., Registrované v: WOS

6. [1.1] GROSSI, E. - SOLOVIEV, A. - TEANEY, D. - YAN, F. Transport and hydrodynamics in the chiral limit. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 27 2020, vol. 102, no. 1., Registrované v: WOS

7. [1.1] HE, Min - RAPP, Ralf. Charm-baryon production in proton-proton collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 795, pp. 117-121., Registrované v: WOS

8. [1.1] IMAKI, S. Chiral magnetic effect in the hadronic phase. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 20 2020, vol. 101, no. 7., Registrované v: WOS

9. [1.1] KNIEHL, B.A. - KRAMER, G. - SCHIENBEIN, I. - SPIESBERGER, H. Λ (+/-)(c) production in pp collisions with a new fragmentation function. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 22 2020, vol. 101, no. 11., Registrované v: WOS

10. [1.1] KURGYIS, B. Three Particle Levy HBT from PHENIX. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, MAY 2020, vol. 51, no. 3, p. 263-266., Registrované v: WOS

11. [1.1] LIU, Yizhuang - ZAHED, Ismail. Pion Condensation by Rotation in a Magnetic Field. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 3, art. no. 032001., Registrované v: WOS

12. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS

13. [1.1] RU, Peng - BARY, Ghulam - ZHANG, Wei-Ning. Pion transverse-momentum spectrum and elliptic anisotropy of partially coherent source. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 777, pp. 79-85., Registrované v: WOS

14. [1.1] SINEGOVSKY, S. I. - SOROKOVIKOV, M. N. The atmospheric neutrino flux from decays of charmed particles. In 26TH EXTENDED EUROPEAN COSMIC RAY SYMPOSIUM. ISSN 1742-6588, 2019, vol. 1181., Registrované v: WOS

15. [1.1] TANJI, Naoto - VENUGOPALAN, Raju. Effective kinetic description of the expanding overoccupied glasma. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 094009., Registrované v: WOS

16. [1.1] ZHAO, W.B. - KO, C.M. - LIU, Y.X. - QIN, G.Y. - SONG, H.C. Probing the Partonic Degrees of Freedom in High-Multiplicity p-Pb collisions at $\sqrt{s(NN)}=5.02$ TeV. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, AUG 12 2020, vol. 125, no. 7., Registrované v: WOS

ADCA647 ADAM, J. - ADAMOVIĆ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Multiplicity and transverse momentum evolution of charge-dependent correlations in pp, p-Pb, and

Pb-Pb collisions at the LHC. In *European Physical Journal C*, 2016, vol. 76, no. 2, art. no. 86. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-3915-1>

Ohlasy:

1. [1.1] BIALAS, A. - BZDAK, A. Short-range two-particle correlations from statistical clusters. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 094015., Registrované v: WOS
2. [1.1] BRONIOWSKI, Wojciech - BOZEK, Piotr. Simple model for rapidity fluctuations in the initial state of ultrarelativistic heavy-ion collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2016, vol. 93, no. 6, art. no. 064910., Registrované v: WOS
3. [1.1] GAVIN, Sean - MOSCHELLI, George - ZIN, Christopher. Rapidity correlation structure in nuclear collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024921., Registrované v: WOS
4. [1.1] GAVIN, Sean - MOSCHELLI, George - ZIN, Christopher. Boltzmann-Langevin approach to pre-equilibrium correlations in nuclear collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 064901., Registrované v: WOS
5. [1.1] KAPUSTA, Joseph I. - PLUMBERG, Christopher. Causal electric charge diffusion and balance functions in relativistic heavy-ion collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2018, vol. 97, no. 1, art. no. 014906., Registrované v: WOS
6. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS

ADCA648 ADAM, J. - ADAMOVIĆ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Multiplicity dependence of charged pion, kaon, and (anti)proton production at large transverse momentum in p-Pb collisions at $\sqrt{s(NN)}=5.02$ TeV. In *Physics Letters B*, 2016, vol. 760, p. 720-735. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2016.07.050>

Ohlasy:

1. [1.1] ARLEO, F. - COUGOULIC, F. - PEIGNE, S. Fully coherent energy loss effects on light hadron production in pA collisions. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, SEP 30 2020, no. 9., Registrované v: WOS
2. [1.1] ARLEO, F. - PEIGNE, S. Quenching of Light Hadron Spectra in p-A Collisions from Fully Coherent Energy Loss. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, JUL 14 2020, vol. 125, no. 3., Registrované v: WOS
3. [1.1] BUSZA, Wit - RAJAGOPAL, Krishna - VAN DER SCHEE, Wilke. Heavy Ion Collisions: The Big Picture and the Big Questions. In *ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE*, VOL 68. ISSN 0163-8998, 2018, vol. 68, pp. 339-376., Registrované v: WOS
4. [1.1] DUSLING, Kevin - MACE, Mark - VENUGOPALAN, Raju.

Parton model description of multiparticle azimuthal correlations in pA collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 016014., Registrované v: WOS

5. [1.1] DUSLING, Kevin - MACE, Mark - SKOKOV, Vladimir V. - TRIBEDY, Prithwish - VENUGOPALAN, Raju. Multiparticle correlations and collectivity in small systems from the initial state. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 495-498., Registrované v: WOS

6. [1.1] GUO, Z.L. - LI, B.C. - DONG, H.W. Transverse Momentum and Pseudorapidity Dependence of Particle Production in Xe-Xe Collision at $\sqrt{s(NN)}=5.44$ TeV. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, FEB 1 2020, vol. 2020., Registrované v: WOS

7. [1.1] CHATURVEDI, O. S. K. - SRIVASTAVA, P. K. - SINGH, Arpit - SINGH, B. K. Universal freezeout condition for charged hadrons in a hybrid approach. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 3, art. no. 46., Registrované v: WOS

8. [1.1] KHALEK, Rabah Abdul - ETHIER, Jacob J. - ROJO, Juan. Nuclear parton distributions from lepton-nucleus scattering and the impact of an electron-ion collider. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 6., Registrované v: WOS

9. [1.1] KHALEK, R.A. - ETHIER, J.J. - ROJO, J. - VAN WEELDEN, G. nNNPDF2.0: quark flavor separation in nuclei from LHC data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 28 2020, no. 9., Registrované v: WOS

10. [1.1] LAO, Hai-Ling - LIU, Fu-Hu - LI, Bao-Chun - DUAN, Mai-Ying - LACEY, Roy A. Examining the model dependence of the determination of kinetic freeze-out temperature and transverse flow velocity in small collision system. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2018, vol. 29, no. 11, art. no. 164., Registrované v: WOS

11. [1.1] LIU, Na - DU, Xiaoling - QIAO, Liyun - CHE, Guorong - ZHANG, Wenchao. Universal scaling of meson and baryon spectra in p-Pb collisions at 5.02 TeV. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, 2019, vol. 28, no. 5., Registrované v: WOS

12. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS

13. [1.1] ORTIZ, Antonio - VAZQUEZ, Omar. Energy density and path-length dependence of the fractional momentum loss in heavy-ion collisions at $\sqrt{s(NN)}$ from 62.4 to 5020 GeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 1, art. no. 014910., Registrované v: WOS

14. [1.1] ORTIZ, A. - PAZ, A. - ROMO, J.D. - TRIPATHY, S. - ZEPEDA, E.A. - BAUTISTA, I. Multiparton interactions in pp collisions from machine learning-based regression. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 23 2020, vol. 102, no. 7., Registrované v: WOS

15. [1.1] QIAO, L.Y. - CHE, G.R. - GU, J.B. - ZHENG, H. - ZHANG, W.C. Nuclear modification factor in Pb-Pb and p-Pb collisions using Boltzmann transport equation. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JUL 2020, vol. 47, no. 7., Registrované v: WOS

16. [1.1] SHEN, Ke-Ming. Analysis on hadron spectra in heavy-ion collisions with a new non-extensive approach. In JOURNAL OF PHYSICS

G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 10., Registrované v: WOS

17. [1.1] ZHAO, W.B. - KO, C.M. - LIU, Y.X. - QIN, G.Y. - SONG, H.C. Probing the Partonic Degrees of Freedom in High-Multiplicity p-Pb collisions at root $s(NN)=5.02$ TeV. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, AUG 12 2020, vol. 125, no. 7., Registrované v: WOS

ADCA649 ABELEV, Betty - ADAM, J. - ADAMOVIĆ, D. - AGGARWAL, M.M. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Multiplicity dependence of jet-like two-particle correlation structures in p-Pb collisions at root $s(NN)=5.02$ TeV. In *Physics Letters B*, 2015, vol. 741, p. 38-50. (2014: 6.131 - IF, Q1 - JCR, 3.562 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2014.11.028>

Ohlasy:

1. [1.1] BARTALINI, P. - GAUNT, J. R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, pp. 1-+., Registrované v: WOS
2. [1.1] CASTILHO, Wagner M. - QIAN, Wei-Liang. Centrality and transverse momentum dependence of dihadron correlations in a hydrodynamic model. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 974, pp. 35-44., Registrované v: WOS
3. [1.1] CASTILHO, Wagner M. - QIAN, Wei-Liang - HAMA, Yojiro - KODAMA, Takeshi. Event-plane dependent di-hadron correlations with harmonic $v(n)$ subtraction in a hydrodynamic model. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 777, pp. 369-373., Registrované v: WOS
4. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS
5. [1.1] OEZOENDER, Sener. Long range azimuthal correlations of multiple gluons in gluon saturation limit. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 054036., Registrované v: WOS
6. [1.1] OZONDER, Sener. Cumulant expansion in gluon saturation and five- and six-gluon azimuthal correlations. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074005., Registrované v: WOS
7. [1.1] OZONDER, Sener. Predictions on three-particle azimuthal correlations in proton proton collisions. In TURKISH JOURNAL OF PHYSICS. ISSN 1300-0101, 2018, vol. 42, no. 1, pp. 78-83., Registrované v: WOS

ADCA650 ACHARYA, S. - ACOSTA, F.T. - ADAMOVIĆ, D. - ADLER, A. - ADOLFSSON, J. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Multiplicity dependence of light-flavor hadron production in pp collisions at root $s=7$ TeV. In *Physical Review C*, 2019, vol. 99, no. 2, art. no. 024906. (2018: 3.132 - IF, Q2 - JCR, 1.502 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.99.024906>

Ohlasy:

1. [1.1] DUNCAN, C.B. - SKANDS, P. Fragmentation of two repelling Lund strings. In *SCIPOST PHYSICS*. ISSN 2542-4653, MAY 2020, vol. 8, no. 5., Registrované v: WOS
2. [1.1] HUNT-SMITH, N. - SKANDS, P. String fragmentation with a time-dependent tension. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, NOV 2020, vol. 80, no. 11., Registrované v: WOS
3. [1.1] KANAKUBO, Y. - TACHIBANA, Y. - HIRANO, T. Unified description of hadron yield ratios from dynamical core-corona initialization. In *PHYSICAL REVIEW C*. ISSN 2469-9985, FEB 24 2020, vol. 101, no. 2., Registrované v: WOS
4. [1.1] LI, L.L. - LIU, F.H. Kinetic Freeze-Out Properties from Transverse Momentum Spectra of Pions in High Energy Proton-Proton Collisions. In *PHYSICS*. JUN 2020, vol. 2, no. 2, p. 277-308., Registrované v: WOS
5. [1.1] RAGAB, N.A. - SHE, Z.L. - CHEN, G. Light (anti-)nuclei and (anti-)hypertriton production in pp collisions at $\sqrt{s}=0.90, 2.76$ and 7 TeV. In *EUROPEAN PHYSICAL JOURNAL PLUS*. ISSN 2190-5444, SEP 17 2020, vol. 135, no. 9., Registrované v: WOS

ADCA651 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - ŠÁNDOR, Ladislav - VALA, Martin. Multiplicity dependence of pion, kaon, proton and lambda production in p-Pb collisions at $\sqrt{s(NN)}=5.02$ TeV. In *Physics Letters B*, 2014, vol. 728, p. 25-38. (2013: 6.019 - IF, Q1 - JCR, 3.707 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2013.11.020>

Ohlasy:

1. [1.1] ALBA, P. - SARTI, V.M. - NORONHA-HOSTLER, J. - PAROTTO, P. - PORTILLO-VAZQUEZ, I. - RATTI, C. - STAFFORD, J.M. Influence of hadronic resonances on the chemical freeze-out in heavy-ion collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, MAY 15 2020, vol. 101, no. 5., Registrované v: WOS
2. [1.1] ALI, Q. - ALI, Y. - TABASSAM, U. - HASEEB, M. - IKRAM, M. Distribution of strange particles transverse momentum and rapidity in high energy proton-proton collisions at $\sqrt{s}=0.9$ TeV at LHC. In *MODERN PHYSICS LETTERS A*. ISSN 0217-7323, FEB 20 2020, vol. 35, no. 5., Registrované v: WOS
3. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In *MULTIPLE PARTON INTERACTIONS AT THE LHC*. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
4. [1.1] BASHIR, I. - UDDIN, S. Kinetic Freeze-out Spectra of Identified Particles Produced in p-Pb Collisions at $\sqrt{s(NN)}=5.02$ TeV. In *JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS*. ISSN 1063-7761, 2017, vol. 124, no. 3, pp. 429-432., Registrované v: WOS
5. [1.1] BHATTACHARYYA, S. - BISWAS, D. - GHOSH, S.K. - RAY, R. - SINGHA, P. Novel scheme for parametrizing the chemical freeze-out surface in heavy ion collision experiments. In *PHYSICAL REVIEW D*. ISSN 2470-0010, SEP 26 2019, vol. 100, no. 5., Registrované v: WOS

6. [1.1] BHATTACHARYYA, S. - BISWAS, D. - GHOSH, S.K. - RAY, R. - SINGHA, P. Systematics of chemical freeze-out parameters in heavy-ion collision experiments. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 4 2020, vol. 101, no. 5., Registrované v: WOS
7. [1.1] BIERLICH, Christian - CHRISTIANSEN, Jesper Roy. Effects of color reconnection on hadron flavor observables. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 094010., Registrované v: WOS
8. [1.1] BISWAS, D. Formation of light nuclei at chemical freezeout: Description within a statistical thermal model. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 3 2020, vol. 102, no. 5., Registrované v: WOS
9. [1.1] BOZEK, Piotr. Small systems hydrodynamics. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, 208-215., Registrované v: WOS
10. [1.1] BUGAEV, K. A. - SAGUN, V. V. - IVANYTSKYI, A. I. - YAKIMENKO, I. P. - NIKONOV, E. G. - TARANENKO, A. V. - ZINOVJEV, G. M. Going beyond the second virial coefficient in the hadron resonance gas model. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 970, pp. 133-155., Registrované v: WOS
11. [1.1] CAI, Y.M. - COHEN, T.D. - GELMAN, B.A. - YAMAUCHI, Y. Yields of weakly bound light nuclei as a probe of the statistical hadronization model. In PHYSICAL REVIEW C. ISSN 2469-9985, AUG 23 2019, vol. 100, no. 2., Registrované v: WOS
12. [1.1] CASTORINA, P. - IORIO, A. - LANTERI, D. - SATZ, H. - SPOUSTA, M. Universality in hadronic and nuclear collisions at high energy. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 11 2020, vol. 101, no. 5., Registrované v: WOS
13. [1.1] DOBADO, Antonio - LLANES-ESTRADA, Felipe J. - RODRIGUEZ FERNANDEZ, David. Entropy production in the early-cosmology pionic phase. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 20-21, art. no. 1650118., Registrované v: WOS
14. [1.1] DUCLOUE, B. - LAPPI, T. - MANTYSAARI, H. Isolated photon production in proton-nucleus collisions at forward rapidity. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 054023., Registrované v: WOS
15. [1.1] DUSLING, Kevin - LI, Wei - SCHENKE, Bjoern. Novel collective phenomena in high-energy proton-proton and proton-nucleus collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 1, art. no. 1630002., Registrované v: WOS
16. [1.1] JACAZIO, Nicolo. Production of identified charged hadrons in Pb-Pb collisions at $\sqrt{s(NN)}=5.02$ TeV. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 421-424., Registrované v: WOS
17. [1.1] JAISWAL, Amaresh - BHADURI, Partha Pratim. Effect of an anisotropic escape mechanism on elliptic flow in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 4, art. no. 044909., Registrované v: WOS
18. [1.1] KAMIN, Jason. Hot and cold nuclear matter effects in p-Pb collisions at the LHC. In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, art. no. 03018., Registrované v: WOS

19. [1.1] KANAKUBO, Yuuka - OKAI, Michito - TACHIBANA, Yasuki - HIRANO, Tetsufumi. Enhancement of strange baryons in high-multiplicity proton-proton and proton-nucleus collisions. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2018, no. 12, art. no. 121D01., Registrované v: WOS
20. [1.1] KANAKUBO, Y. - TACHIBANA, Y. - HIRANO, T. Unified description of hadron yield ratios from dynamical core-corona initialization. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 24 2020, vol. 101, no. 2., Registrované v: WOS
21. [1.1] KOLBE, Isobel - HOROWITZ, William A. Is pQCD energy loss in trouble? In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 848-851., Registrované v: WOS
22. [1.1] KOLBE, Isobel - HOROWITZ, W. A. A pQCD sized problem in small systems. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC. ISSN 1742-6588, 2017, vol. 878, art. no. UNSP 012025., Registrované v: WOS
23. [1.1] KOLBE, Isobel - HOROWITZ, W. A. A generalization to all system sizes of DGLV energy loss in the quark-gluon plasma. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP 2017. ISSN 1742-6588, 2017, vol. 889, art. no. UNSP 012008., Registrované v: WOS
24. [1.1] KOLBE, Isobel - HOROWITZ, W. A. Short path length pQCD corrections to energy loss in the quark gluon plasma. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP 2016. ISSN 1742-6588, 2017, vol. 802, art. no. UNSP 012006., Registrované v: WOS
25. [1.1] KOLBE, I. - HOROWITZ, W.A. Short-path-length corrections to Djordjevic-Gyulassy-Levai-Vitev energy loss. In PHYSICAL REVIEW C. ISSN 2469-9985, AUG 26 2019, vol. 100, no. 2., Registrované v: WOS
26. [1.1] KUBOS, J. Studies of Hyperon Production in HADES-Cascade Production. In RECENT PROGRESS IN FEW-BODY PHYSICS. ISSN 0930-8989, 2020, vol. 238, p. 987-994., Registrované v: WOS
27. [1.1] KURKELA, A. - MAZELIAUSKAS, A. Chemical Equilibration in Hadronic Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, APR 10 2019, vol. 122, no. 14., Registrované v: WOS
28. [1.1] LIU, Fu-Hu - WEI, Hua-Rong - LACEY, Roy A. Transverse momentum and pseudorapidity distributions of final-state particles and spatial structure pictures of an interacting system in p-Pb collisions at root sNN=5.02 TeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 4, art. no. 43., Registrované v: WOS
29. [1.1] LIU, N. - DU, X.L. - QIAO, L.Y. - CHE, G.R. - ZHANG, W.C. Universal scaling of meson and baryon spectra in p-Pb collisions at 5.02 TeV. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, MAY 2019, vol. 28, no. 5., Registrované v: WOS
30. [1.1] LIU, X. Y. - CHEN, J. H. - MA, C. W. - MA, Y. G. A study on $K^*(892)(0)$ and $\phi(1020)$ production in p-Pb and Pb-Pb collisions at the LHC from a multiphase transport model. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 2, art. no. 025102., Registrované v: WOS
31. [1.1] LI, Wei. Collective flow from AA, pA to pp collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 59-66., Registrované v: WOS

32. [1.1] MANTYSAARI, Heikki - SCHENKE, Bjorn - SHEN, Chun - TRIBEDY, Prithwish. Imprints of fluctuating proton shapes on flow in proton-lead collisions at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 772, pp. 681-686., Registrované v: WOS
33. [1.1] MAZELIAUSKAS, A. - VISLAVICIUS, V. Temperature and fluid velocity on the freeze-out surface from π , K, and p spectra in pp, p-Pb, and Pb-Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 17 2020, vol. 101, no. 1., Registrované v: WOS
34. [1.1] MOGLIACCI, S. - KOLBE, I. - HOROWITZ, W.A. Geometrically confined thermal field theory: Finite size corrections and phase transitions. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 23 2020, vol. 102, no. 11., Registrované v: WOS
35. [1.1] MORITA, K. - GONGYO, S. - HATSUDA, T. - HYODO, T. - KAMIYA, Y. - OHNISHI, A. Probing Omega Omega and p Omega dibaryons with femtoscopic correlations in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 6 2020, vol. 101, no. 1., Registrované v: WOS
36. [1.1] MOTORNENKO, A. - VOVCHENKO, V. - GREINER, C. - STOECKER, H. Kinetic freeze-out temperature from yields of short-lived resonances. In PHYSICAL REVIEW C. ISSN 0556-2813, AUG 13 2020, vol. 102, no. 2., Registrované v: WOS
37. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS
38. [1.1] ORTIZ VELASQUEZ, Antonio. Mean $p(T)$ scaling with $m/n(q)$ at the LHC: Absence of (hydro) flow in small systems? In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 943, pp. 9-17., Registrované v: WOS
39. [1.1] PALNI, P. - KHUNTIA, A. - BARTALINI, P. Evolution of strange and multi-strange hadron production with relative transverse multiplicity activity in underlying event. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 6 2020, vol. 80, no. 10., Registrované v: WOS
40. [1.1] PIEROG, T. - KARPENKO, Iu. - KATZY, J. M. - YATSENKO, E. - WERNER, K. EPOS LHC: Test of collective hadronization with data measured at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 92, no. 3, art. no. 034906., Registrované v: WOS
41. [1.1] POBEREZHNYUK, R.V. - VOVCHENKO, V. - MOTORNENKO, A. - GORENSTEIN, M.I. - STOCKER, H. Chemical freeze-out conditions and fluctuations of conserved charges in heavy-ion collisions within a quantum van der Waals model. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 12 2019, vol. 100, no. 5., Registrované v: WOS
42. [1.1] PU, Jie - SUN, Kai-Jia - CHEN, Lie-Wen. Extracting strange-quark freeze-out information in Pb plus Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV from ϕ and ω production. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 6, art. no. 064905., Registrované v: WOS
43. [1.1] QIAO, L.Y. - CHE, G.R. - GU, J.B. - ZHENG, H. - ZHANG, W.C. Nuclear modification factor in Pb-Pb and p-Pb collisions using Boltzmann transport equation. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JUL 2020, vol. 47, no. 7., Registrované v: WOS

44. [1.1] RISTEA, O. - RISTEA, C. - JIPA, A. Strange particle effective temperatures in relativistic nuclear collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, FEB 2020, vol. 29, no. 2., Registrované v: WOS
45. [1.1] RUSTAMOV, Anar. Energy dependence of strangeness production and event-by-event fluctuations. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 02003., Registrované v: WOS
46. [1.1] RYU, Sangwook - PAQUET, Jean-Francois - SHEN, Chun - DENICOL, Gabriel - SCHENKE, Bjorn - JEON, Sangyong - GALE, Charles. Effects of bulk viscosity and hadronic rescattering in heavy ion collisions at energies available at the BNL Relativistic Heavy Ion Collider and at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034910., Registrované v: WOS
47. [1.1] SHAO, T.H. - CHEN, J.H. - KO, C.M. - LIN, Z.W. Enhanced production of strange baryons in high-energy nuclear collisions from a multiphase transport model. In PHYSICAL REVIEW C. ISSN 0556-2813, JUL 8 2020, vol. 102, no. 1., Registrované v: WOS
48. [1.1] SHEN, K.M. Analysis on hadron spectra in heavy-ion collisions with a new non-extensive approach. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, OCT 2019, vol. 46, no. 10., Registrované v: WOS
49. [1.1] SCHENKE, Bjoern - SCHLICHTING, Soeren - TRIBEDY, Prithwish - VENUGOPALAN, Raju. Mass Ordering of Spectra from Fragmentation of Saturated Gluon States in High-Multiplicity Proton-Proton Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 117, no. 16, art. no. 162301., Registrované v: WOS
50. [1.1] TAWFIK, Abdel Nasser - YASSIN, Hayam - ELYAZEED, Eman R. Abo. On thermodynamic self-consistency of generic axiomatic-nonextensive statistics. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 5, art. no. 053107., Registrované v: WOS
51. [1.1] TRAINOR, T.A. A two-component model for identified-hadron p(t) spectra from 5 TeV p-Pb collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, FEB 2020, vol. 47, no. 4., Registrované v: WOS
52. [1.1] TRAINOR, T.A. Comparing the PYTHIA Monte Carlo to a two-component (soft plus hard) model of hadron production in high-energy p-p collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, APR 2019, vol. 28, no. 4., Registrované v: WOS
53. [1.1] WANG, F.T. - XU, J. Hadronization using the Wigner function approach for a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, DEC 20 2019, vol. 100, no. 6., Registrované v: WOS
54. [1.1] WAQAS, M. - LIU, F.H. - FAKHRADDIN, S. - RAHIM, M.A. Possible scenarios for single, double, or multiple kinetic freeze-out in high-energy collisions. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, OCT 2019, vol. 93, no. 10, p. 1329-1343., Registrované v: WOS
55. [1.1] WAQAS, M. - LIU, F.H. - WAZIR, Z. Dependence of Temperatures and Kinetic Freeze-Out Volume on Centrality in Au-Au and Pb-Pb Collisions at High Energy. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, MAY 27 2020, vol. 2020., Registrované v: WOS

56. [1.1] WAQAS, M. - LIU, F.H. Initial, effective, and kinetic freeze-out temperatures from transverse momentum spectra in high-energy proton(deuteron)-nucleus and nucleus-nucleus collisions. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, JAN 28 2020, vol. 135, no. 2., Registrované v: WOS
57. [1.1] WEI, Hua-Rong - LIU, Fu-Hu - LACEY, Roy A. Disentangling random thermal motion of particles and collective expansion of source from transverse momentum spectra in high energy collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 12, art. no. 125102., Registrované v: WOS
58. [1.1] WEI, Hua-Rong - LIU, Fu-Hu - LACEY, Roy A. Kinetic freeze-out temperature and flow velocity extracted from transverse momentum spectra of final-state light flavor particles produced in collisions at RHIC and LHC. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 4, art. no. 102., Registrované v: WOS
59. [1.1] ZHANG, L.Y. - CHEN, J.H. - LIN, Z.W. - MA, Y.G. - ZHANG, S. Two-particle angular correlations in heavy ion collisions from a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 7 2019, vol. 99, no. 5., Registrované v: WOS
60. [1.1] ZHANG, S. - MA, Y.G. Omega-dibaryon production with hadron interaction potential from the lattice QCD in relativistic heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS
61. [1.1] ZHAO, W.B. - KO, C.M. - LIU, Y.X. - QIN, G.Y. - SONG, H.C. Probing the Partonic Degrees of Freedom in High-Multiplicity p-Pb collisions at root s(NN)=5.02 TeV. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, AUG 12 2020, vol. 125, no. 7., Registrované v: WOS
62. [1.1] ZHENG, H. - ZHU, Lilin. Can Tsallis Distribution Fit All the Particle Spectra Produced at RHIC and LHC? In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 180491., Registrované v: WOS
63. [1.1] ZHU, L.L. - HWA, R.C. A unified study of the production of all identified hadrons over wide ranges of transverse momenta at LHC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, MAY 2020, vol. 47, no. 5., Registrované v: WOS

ADCA652 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Multiplicity dependence of the average transverse momentum in pp, p-Pb, and Pb-Pb collisions at the LHC. In *Physics Letters B*, 2013, vol. 727, no. 4-5, p. 371-380. (2012: 4.569 - IF, Q1 - JCR, 3.353 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] ABDEL-WAGED, Khaled - FELEMBAN, Nuha. Interpretation of charged-particle spectra in p plus p and p plus Pb collisions at energies available at the CERN Large Hadron Collider using an improved HIJING code with a collective cascade. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 3, art. no. 034908., Registrované v: WOS
2. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON

INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+.,
Registrované v: WOS

3. [1.1] BOZEK, Piotr - BRONIOWSKI, Wojciech. Hydrodynamic modeling of He-3-Au collisions at root S-NN=200 GeV. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 135-138., Registrované v: WOS

4. [1.1] BRATKOVSKAYA, E. L. - CASSING, W. - KONCHAKOVSKI, V. P. - TONEEV, V. D. The QGP dynamics in relativistic collisions. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2014). ISSN 1742-6588, 2015, vol. 623, art. no. 012005., Registrované v: WOS

5. [1.1] CUAUTLE FLORES, Eleazar. Are the collective phenomena a universal feature of the hadronic matter created in p-p, p-A and A-A colliding systems? In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 7, art. no. 1642007., Registrované v: WOS

6. [1.1] EL-DAHSHAN, El-Sayed. Function mining for the $\langle P-T \rangle$ -N-ch correlations in pp and pp(bar) collisions based on symbolic regression. In TURKISH JOURNAL OF PHYSICS. ISSN 1300-0101, 2018, vol. 42, no. 3, pp. 273-282., Registrované v: WOS

7. [1.1] GIANNINI, A.V. - GRASSI, F. - LUZUM, M. Bulk quantities in nuclear collisions from running-coupling $k(T)$ factorization and hybrid simulations. In PHYSICAL REVIEW C. ISSN 2469-9985, JUL 31 2019, vol. 100, no. 1., Registrované v: WOS

8. [1.1] HABICH, M. - NAGLE, J. L. - ROMATSCHKE, P. Particle spectra and HBT radii for simulated central nuclear collisions of C plus C, Al plus Al, Cu plus Cu, Au plus Au, and Pb plus Pb from root s=62.4-2760 GeV. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 1, art. no. 15., Registrované v: WOS

9. [1.1] CHRISTIANSEN, Jesper R. - SKANDS, Peter Z. String formation beyond leading colour. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 8, art. no. 003., Registrované v: WOS

10. [1.1] KONCHAKOVSKI, V. P. - CASSING, W. - TONEEV, V. D. Impact of the initial size of spatial fluctuations on the collective flow in Pb-Pb collisions at root S-NN=2.76 TeV. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 5, art. no. 055106., Registrované v: WOS

11. [1.1] LINNYK, O. - BRATKOVSKAYA, E. L. - GASSING, W. Effective QCD and transport description of dilepton and photon production in heavy-ion collisions and elementary processes. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 87, pp. 50-115., Registrované v: WOS

12. [1.1] MCLERRAN, Larry - PRASZALOWICZ, Michal. Geometrical scaling and the dependence of the average transverse momentum on the multiplicity and energy for the ALICE experiment. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 741, pp. 246-251., Registrované v: WOS

13. [1.1] MORELAND, J.S. - BERNHARD, J.E. - BASS, S.A. Bayesian calibration of a hybrid nuclear collision model using p-Pb and Pb-Pb data at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 21 2020, vol. 101, no. 2., Registrované v: WOS

14. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L.

Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS

15. [1.1] ORTIZ VELASQUEZ, Antonio. Mean $p(T)$ scaling with $m/n(q)$ at the LHC: Absence of (hydro) flow in small systems? In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 943, pp. 9-17., Registrované v: WOS

16. [1.1] OSADA, Takeshi - ISHIHARA, Masamichi. Event-by-event mean $p(T)$ fluctuations and transverse size of color flux tube generated in p-p collisions at $\sqrt{s}=0.90$ TeV. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 1, art. no. 015104., Registrované v: WOS

17. [1.1] OSADA, T. - KUMAOKA, T. Saturation momentum scale extracted from semi-inclusive transverse spectra in high-energy pp collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, SEP 26 2019, vol. 100, no. 3., Registrované v: WOS

18. [1.1] PRASZALOWICZ, Michal. Why mean P-T is interesting. In DIFFRACTION 2014: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2015, vol. 1654, art. no. 080001., Registrované v: WOS

19. [1.1] SARMA, P. - BHATTACHARJEE, B. Color reconnection as a possible mechanism of intermittency in the emission spectra of charged particles in PYTHIA-generated high-multiplicity pp collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, MAR 1 2019, vol. 99, no. 3., Registrované v: WOS

20. [1.1] SCHENKE, Bjoern - SCHLICHTING, Soeren - TRIBEDY, Prithwish - VENUGOPALAN, Raju. Mass Ordering of Spectra from Fragmentation of Saturated Gluon States in High-Multiplicity Proton-Proton Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 117, no. 16, art. no. 162301., Registrované v: WOS

21. [1.1] SCHENKE, B. - SHEN, C. - TRIBEDY, P. Running the gamut of high energy nuclear collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, OCT 15 2020, vol. 102, no. 4., Registrované v: WOS

22. [1.1] SCHULZ, P. - WOLSCHIN, G. Analysis of pPb collisions at LHC energies in the relativistic diffusion model. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 2, art. no. 18., Registrované v: WOS

23. [1.1] SNELLINGS, Raimond. How much does the hadronic phase contribute to the observed anisotropic flow at the LHC? In RESONANCE WORKSHOP AT CATANIA. ISSN 2100-014X, 2015, vol. 97, art. no. 00025., Registrované v: WOS

24. [1.1] TRAINOR, Thomas A. Charge-multiplicity and collision-energy dependence of $p(t)$ spectra from p-p collisions at the relativistic heavy-ion collider and large hadron collider. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 7, art. no. 075008., Registrované v: WOS

25. [1.1] TRAINOR, Thomas A. Eventwise mean- $p(t)$ fluctuations versus minimum-bias jets (minijets) at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 2, art. no. 024915., Registrované v: WOS

26. [1.1] TRAINOR, Thomas A. - KETTLER, David T. - PRINDLE,

Duncan J. - RAY, R. L. Challenging claims of 'elliptic flow' by comparing azimuth quadrupole and jet-related angular correlations from Au-Au collisions at root S-NN=62 and 200 GeV. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 2, art. no. 025102., Registrované v: WOS

27. [1.1] TRAINOR, T.A. A two-component model for identified-hadron p(t) spectra from 5 TeV p-Pb collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, FEB 2020, vol. 47, no. 4., Registrované v: WOS

28. [1.1] TRAINOR, T.A. Comparing the PYTHIA Monte Carlo to a two-component (soft plus hard) model of hadron production in high-energy p-p collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, APR 2019, vol. 28, no. 4., Registrované v: WOS

29. [1.1] WANG HONG-MIN - HOU ZHAO-YU - SUN XIAN-JING. Energy dependent growth of nucleon and inclusive charged hadron distributions. In CHINESE PHYSICS C. ISSN 1674-1137, 2015, vol. 39, no. 11, art. no. 114105., Registrované v: WOS

ADCA653 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Multiplicity dependence of two-particle azimuthal correlations in pp collisions at the LHC. In *Journal of High Energy Physics*, 2013, vol. 2013, no. 9, art. no. 049. (2012: 5.618 - IF, 1.475 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP09\(2013\)049](https://doi.org/10.1007/JHEP09(2013)049)

Ohlasy:

1. [1.1] BAI, Ting - GUO, Yuan-Yuan - LI, Bao-Chun. Dihadron Azimuthal Correlations in p-p Collisions at root s(NN)=7 TeV and p-Pb Collisions at root s(NN)=5.02 TeV. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 190714., Registrované v: WOS

2. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS

3. [1.1] BLEIBEL, J. - BRAVINA, L. V. - ZABRODIN, E. E. How many of the scaling trends in pp collisions will be violated at root s(NN)=14 TeV? Predictions from Monte Carlo quark-gluon string model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 114012., Registrované v: WOS

4. [1.1] MARTIN, T. - SKANDS, P. - FARRINGTON, S. Probing collective effects in hadronisation with the extremes of the underlying event. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 299., Registrované v: WOS

5. [1.1] STEPIEN, L.T. ON BOGOMOLNY EQUATIONS IN THE SKYRME MODEL. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, JAN 2019, vol. 50, no. 1, p. 65-76., Registrované v: WOS

ADCA654 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - ŠÁNDOR, Ladislav - VALA, Martin. Multi-strange baryon production at mid-rapidity in Pb-Pb collisions at root s(NN)=2.76 TeV. In *Physics*

Letters B, 2014, vol. 728, p. 216-227. (2013: 6.019 - IF, Q1 - JCR, 3.707 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2013.11.048>

Ohlasy:

1. [1.1] ALBA, Paolo - ALBERICO, Wanda Maria - NADA, Alessandro - PANERO, Marco - STOECKER, Horst. Excluded-volume effects for a hadron gas in Yang-Mills theory. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 094511., Registrované v: WOS
2. [1.1] ALBA, Paolo. Role of repulsive interactions in the interplay with missing strange resonances. In *17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017)*. ISSN 2100-014X, 2018, vol. 171, art. no. 14001., Registrované v: WOS
3. [1.1] ALBA, P. - VOVCHENKO, V. - GORENSTEIN, M. - STOECKER, H. Flavor-dependent eigenvolume interactions in a hadron resonance gas. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2018, vol. 974, pp. 22-34., Registrované v: WOS
4. [1.1] BECATTINI, Francesco - STEINHEIMER, Jan - STOCK, Reinhard - BLEICHER, Marcus. Hadronization conditions in relativistic nuclear collisions and the QCD pseudo-critical line. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2017, vol. 764, pp. 241-246., Registrované v: WOS
5. [1.1] BEGUN, Viktor - FLORKOWSKI, Wojciech. Bose-Einstein condensation of pions in heavy-ion collisions at energies available at the CERN Large Hadron Collider. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2015, vol. 91, no. 5, art. no. 054909., Registrované v: WOS
6. [1.1] BEITEL, M. - GALLMEISTER, K. - GREINER, C. Fast Dynamical Evolution of Hadron Resonance Gas via Hagedorn States. In *16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016)*. ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012076., Registrované v: WOS
7. [1.1] BEITEL, M. - GREINER, C. - STOECKER, H. Fast dynamical evolution of a hadron resonance gas via Hagedorn states. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 021902., Registrované v: WOS
8. [1.1] FLORKOWSKI, Wojciech. Transverse-momentum spectra of strange particles produced in Pb plus Pb collisions at $\sqrt{s(NN)}=2.76$ TeV in the chemical non-equilibrium model. In *16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016)*. ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012054., Registrované v: WOS
9. [1.1] HEINZ, Ulrich - LIU, Jia. Pre-equilibrium dynamics and heavy-ion observables. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2016, vol. 956, pp. 549-552., Registrované v: WOS
10. [1.1] HE, Yuncun - LIN, Zi-Wei. Baryon spectra and antiparticle-to-particle ratios from the improved AMPT model. In *17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017)*. ISSN 2100-014X, 2018, vol. 171, art. no. 14004., Registrované v: WOS
11. [1.1] HWA, Rudolph C. - ZHU, Lilin. Phenomenological Implications of the p(T) Spectra of phi and Omega produced at LHC and RHIC. In *16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016)*. ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012049.,

Registrované v: WOS

12. [1.1] HWA, Rudolph C. - ZHU, Lilin. Universal formula for baryon spectra in heavy-ion collisions and its implications. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 5, art. no. 054908., Registrované v: WOS
13. [1.1] MELO, Ivan - TOMASIK, Boris. Reconstructing the final state of Pb plus Pb collisions at root $s(NN)=2.76\text{TeV}$. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 1, art. no. 015102., Registrované v: WOS
14. [1.1] SAGUN, V. V. - BUGAEV, K. A. - IVANYTSKYI, A. I. - OLIINYCHENKO, D. R. - MISHUSTIN, I. N. Nuclear and hadron matter equation of state within the induced surface tension approach. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 07022., Registrované v: WOS
15. [1.1] SATAROV, L. M. - VOVCHENKO, V. - ALBA, P. - GORENSTEIN, M. I. - STOECKER, H. New scenarios for hard-core interactions in a hadron resonance gas. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 2, art. no. 024902., Registrované v: WOS
16. [1.1] SEIFERT, E. - CASSING, W. Baryon-antibaryon dynamics in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 4, art. no. 044907., Registrované v: WOS
17. [1.1] SUN, Kai-Jia - CHEN, Lie-Wen. Production of Lambda Lambda and $(\Lambda n)_{\text{over-bar}}$ in central Pb plus Pb collisions at root $sNN=2.76\text{ TeV}$ within a covariant coalescence model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 6, art. no. 064908., Registrované v: WOS
18. [1.1] SUN, Kai-Jia - CHEN, Lie-Wen. Analytical coalescence formula for particle production in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 4, art. no. 044905., Registrované v: WOS
19. [1.1] VOVCHENKO, Volodymyr - STOECKER, Horst. Surprisingly large uncertainties in temperature extraction from thermal fits to hadron yield data at LHC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 5, art. no. 055103., Registrované v: WOS
20. [1.1] VOVCHENKO, Volodymyr - STOECKER, Horst. Examination of the sensitivity of the thermal fits to heavy-ion hadron yield data to the modeling of the eigenvolume interactions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 4, art. no. 044904., Registrované v: WOS
21. [1.1] VOVCHENKO, V. - GORENSTEIN, M. I. - SATAROV, L. M. - STOECKER, H. Chemical Freeze-Out Conditions in Hadron Resonance Gas. In NEW HORIZONS IN FUNDAMENTAL PHYSICS, 2017, pp. 127-137., Registrované v: WOS
22. [1.1] VOYCHENKO, Volodymyr - STOECKER, Horst. Analysis of hadron yield data within hadron resonance gas model with multi-component eigenvolume corrections. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012078., Registrované v: WOS
23. [1.1] ZHENG, H. - ZHU, Lilin. Can Tsallis Distribution Fit All the Particle Spectra Produced at RHIC and LHC? In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 180491., Registrované v: WOS

ADCA655 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - PASTIRČÁK, Blahoslav - ŠÁNDOR, Ladislav - VALA, Martin. Multi-strange baryon production in pp collisions at $\sqrt{s}=7$ TeV with ALICE. In *Physics Letters B*, 2012, vol. 712, no. 4-5, p. 309-318. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2012.05.011>

Ohlasy:

1. [1.1] ARAKELYAN, G. H. - MERINO, C. - SHABELSKI, Yu. M. Midrapidity hyperon production in pp and pA collisions from low to LHC energies. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2016, vol. 52, no. 1, art. no. 9., Registrované v: WOS
2. [1.1] BECATTINI, Francesco. PARTICLE PHYSICS Alice in strangeland. In *NATURE PHYSICS*. ISSN 1745-2473, 2017, vol. 13, no. 6, pp. 531-532., Registrované v: WOS
3. [1.1] BIERLICH, Christian - CHRISTIANSEN, Jesper Roy. Effects of color reconnection on hadron flavor observables. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 094010., Registrované v: WOS
4. [1.1] GAO, Y. - ZHENG, H. - ZHU, L. L. - BONASERA, A. Description of charged particle pseudorapidity distributions in Pb plus Pb collisions with Tsallis thermodynamics. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2017, vol. 53, no. 10, art. no. 197., Registrované v: WOS
5. [1.1] JIANG, Kun - ZHU, Yinying - LIU, Weitao - CHEN, Hongfang - LI, Cheng - RUAN, Lijuan - TANG, Zebo - XU, Zhangbu. Onset of radial flow in p plus p collisions. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2015, vol. 91, no. 2, art. no. 024910., Registrované v: WOS
6. [1.1] MARTIN, T. - SKANDS, P. - FARRINGTON, S. Probing collective effects in hadronisation with the extremes of the underlying event. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 299., Registrované v: WOS
7. [1.1] PIEROG, T. - KARPENKO, Iu. - KATZY, J. M. - YATSENKO, E. - WERNER, K. EPOS LHC: Test of collective hadronization with data measured at the CERN Large Hadron Collider. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2015, vol. 92, no. 3, art. no. 034906., Registrované v: WOS
8. [1.1] ZHENG, H. - ZHU, Lilin - BONASERA, A. Systematic analysis of hadron spectra in p plus p collisions using Tsallis distributions. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 074009., Registrované v: WOS
9. [1.1] ZHENG, H. - ZHU, Lilin. Can Tsallis Distribution Fit All the Particle Spectra Produced at RHIC and LHC? In *ADVANCES IN HIGH ENERGY PHYSICS*. ISSN 1687-7357, 2015, art. no. 180491., Registrované v: WOS
10. [1.1] ZHENG, H. - ZHU, Lilin. Comparing the Tsallis Distribution with and without Thermodynamical Description in p plus p Collisions. In *ADVANCES IN HIGH ENERGY PHYSICS*. ISSN 1687-7357, 2016, art. no. 9632126., Registrované v: WOS

ADCA656 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Multi-strange baryon production in p-Pb collisions at root s(NN)=5.02 TeV. In *Physics Letters B*, 2016, vol. 758, p. 389-401. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2016.05.027>

Ohlasy:

1. [1.1] ARAKELYAN, G. H. - SHABELSKI, Yu M. - SHUVAEV, A. G. Central and peripheral hadron-nucleus collisions in the Additive Quark Model. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2019, vol. 34, no. 6., Registrované v: WOS
2. [1.1] CASTORINA, P. - IORIO, A. - LANTERI, D. - SATZ, H. - SPOUSTA, M. Universality in hadronic and nuclear collisions at high energy. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 11 2020, vol. 101, no. 5., Registrované v: WOS
3. [1.1] CHANG, Sung. Proton-proton collisions prove stranger than expected. In PHYSICS TODAY. ISSN 0031-9228, 2017, vol. 70, no. 7, pp. 21-23., Registrované v: WOS
4. [1.1] KANAKUBO, Yuuka - OKAI, Michito - TACHIBANA, Yasuki - HIRANO, Tetsufumi. Enhancement of strange baryons in high-multiplicity proton-proton and proton-nucleus collisions. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2018, no. 12, art. no. 121D01., Registrované v: WOS
5. [1.1] KANAKUBO, Y. - TACHIBANA, Y. - HIRANO, T. Unified description of hadron yield ratios from dynamical core-corona initialization. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 24 2020, vol. 101, no. 2., Registrované v: WOS
6. [1.1] KOCH, Peter - MULLER, Berndt - RAFELSKI, Johann. From strangeness enhancement to quark-gluon plasma discovery. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 31, art. no. 1730024., Registrované v: WOS
7. [1.1] KOLBE, Isobel - HOROWITZ, W. A. Short-path-length corrections to Djordjevic-Gyulassy-Levai-Vitev energy loss. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2., Registrované v: WOS
8. [1.1] LIU, Na - DU, Xiaoling - QIAO, Liyun - CHE, Guorong - ZHANG, Wenchao. Universal scaling of meson and baryon spectra in p-Pb collisions at 5.02 TeV. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, 2019, vol. 28, no. 5., Registrované v: WOS
9. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS
10. [1.1] ORTIZ, A. - PAZ, A. - ROMO, J.D. - TRIPATHY, S. - ZEPEDA, E.A. - BAUTISTA, I. Multiparton interactions in pp collisions from machine learning-based regression. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 23 2020, vol. 102, no. 7., Registrované v: WOS
11. [1.1] PARVAN, A.S. - BHATTACHARYYA, T. Hadron transverse momentum distributions of the Tsallis normalized and unnormalized statistics. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, FEB 27 2020, vol.

56, no. 2., Registrované v: WOS

12. [1.1] QIAO, L.Y. - CHE, G.R. - GU, J.B. - ZHENG, H. - ZHANG, W.C. Nuclear modification factor in Pb-Pb and p-Pb collisions using Boltzmann transport equation. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JUL 2020, vol. 47, no. 7., Registrované v: WOS

13. [1.1] SHAO, T.H. - CHEN, J.H. - KO, C.M. - LIN, Z.W. Enhanced production of strange baryons in high-energy nuclear collisions from a multiphase transport model. In PHYSICAL REVIEW C. ISSN 0556-2813, JUL 8 2020, vol. 102, no. 1., Registrované v: WOS

14. [1.1] SHEN, Ke-Ming. Analysis on hadron spectra in heavy-ion collisions with a new non-extensive approach. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 10., Registrované v: WOS

15. [1.1] ULUGBEK, Abdurakhmanov - KADYR, Gulamov - VLADIMIR, Lugovoi - VADIM, Navotny. Observation of Gaussian Pseudorapidity Distributions for Produced Particles in Proton-Nucleus Collisions at Tevatron Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2018, art. no. 3098252., Registrované v: WOS

16. [1.1] WAQAS, M. - LIU, F-H - FAKHRADDIN, S. - RAHIM, M. A. Possible scenarios for single, double, or multiple kinetic freeze-out in high-energy collisions. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, 2019, vol. 93, no. 10, pp. 1329-1343., Registrované v: WOS

ADCA657 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at $\sqrt{s}=7$ TeV in 2010. In *European Physical Journal C*, 2014, vol. 74, no. 9, art. no. 3034. (2013: 5.436 - IF, Q1 - JCR, 2.323 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-014-3034-9>

Ohlasy:

1. [1.1] ANDILLA, Jordi - JORAND, Raphael - OLARTE, Omar E. - DUFOUR, Alexandre C. - CAZALES, Martine - MONTAGNER, Yoann L. E. - CEOLATO, Romain - RIVIERE, Nicolas - OLIVO-MARIN, Jean-Christophe - LOZA-ALVAREZ, Pablo - LORENZO, Corinne. Imaging tissue-mimic with light sheet microscopy: A comparative guideline. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2017, vol. 7, art. no. 44939., Registrované v: WOS

2. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS

3. [1.1] ILTEN, Philip - SOREQ, Yotam - THALER, Jesse - WILLIAMS, Mike - XUE, Wei. Proposed Inclusive Dark Photon Search at LHCb. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 25, art. no. 251803., Registrované v: WOS

ADCA658 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABELOOS, B. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Muon reconstruction performance of the ATLAS detector in proton-proton collision data at $\sqrt{s}=13$ TeV. In *European Physical Journal C*, 2016, vol. 76, no. 5, art. no.

292. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4120-y>

Ohlasy:

1. [1.1] ALVES, Daniele S. M. - EL HEDRI, Sonia - TAKI, Anna Maria - WEINER, Neal. Charged Higgs signals in $t(\bar{t})$ searches. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075032., Registrované v: WOS
2. [1.1] BAE, K.J. - PARK, M. - ZHANG, M.C. Demystifying freeze-in dark matter at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 29 2020, vol. 101, no. 11., Registrované v: WOS
3. [1.1] BAHRAMI, Sahar - FRANK, Mariana - GHOSH, Dilip Kumar - GHOSH, Nivedita - SAHA, Ipsita. Dark matter and collider studies in the left-right symmetric model with vectorlike leptons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095024., Registrované v: WOS
4. [1.1] BEVILACQUA, G. - BI, H.Y. - HARTANTO, H.B. - KRAUS, M. - WOREK, M. The simplest of them all: $t(\bar{t}) \rightarrow W^+ W^-$ at NLO accuracy in QCD. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 10 2020, no. 8., Registrované v: WOS
5. [1.1] BIEKOETTER, Anke - KEILBACH, Fabian - MOUTAFIS, Rhea - PLEHN, Tilman - THOMPSON, Jennifer M. Tagging Jets in Invisible Higgs Searches. In SCIPOST PHYSICS. ISSN 2542-4653, 2018, vol. 4, no. 6, art. no. 035., Registrované v: WOS
6. [1.1] BOYE, D. - MAPEKULA, X. Search for a Higgs boson decaying through $Z(\gamma)$ to 4 leptons. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2018). ISSN 1742-6588, 2019, vol. 1271., Registrované v: WOS
7. [1.1] BUONOCORE, L. - HAISCH, U. - NASON, P. - TRAMONTANO, F. - ZANDERIGHI, G. Lepton-Quark Collisions at the Large Hadron Collider. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, DEC 2 2020, vol. 125, no. 23., Registrované v: WOS
8. [1.1] DE MELO, T.B. - QUEIROZ, F.S. - VILLAMIZAR, Y. Doubly charged scalar at the High-Luminosity and High-Energy LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, SEP 30 2019, vol. 34, no. 27., Registrované v: WOS
9. [1.1] DERCKS, Daniel - DESAI, Nishita - KIM, Jong Soo - ROLBIECKI, Krzysztof - TATTERSALL, Jamie - WEBER, Torsten. CheckMATE 2: From the model to the limit. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2017, vol. 221, pp. 383-418., Registrované v: WOS
10. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS
11. [1.1] ELAHI, F. - MARTIN, A. LHC constraints on a $(B-L)(3)$ gauge boson. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 19 2019, vol. 100, no. 3., Registrované v: WOS
12. [1.1] FRANCESCHINI, Roberto - PANICO, Giuliano - POMAROL, Alex - RIVA, Francesco - WULZER, Andrea. Electroweak precision tests in high-energy diboson processes. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 111., Registrované v: WOS

13. [1.1] GHOSH, Dilip Kumar - GHOSH, Nivedita - SAHA, Ipsita - SHAW, Avirup. Revisiting the high-scale validity of the type II seesaw model with novel LHC signature. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115022., Registrované v: WOS
14. [1.1] GIUDICE, Gian F. - KATS, Yevgeny - MCCULLOUGH, Matthew - TORRE, Riccardo - URBANO, Alfredo. Clockwork/linear dilaton: structure and phenomenology. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 009., Registrované v: WOS
15. [1.1] GONCALVES, Dorival - PLEHN, Tilman - THOMPSON, Jennifer M. Weak boson fusion at 100 TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095011., Registrované v: WOS
16. [1.1] CHAKRABORTY, Amit - IYER, Abhishek M. - ROY, Tuhin S. A framework for finding anomalous objects at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 932, pp. 439-470., Registrované v: WOS
17. [1.1] KIM, Minho - LEE, Hye-Sung - PARK, Myeonghun - ZHANG, Mengchao. Examining the origin of dark matter mass at colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 055027., Registrované v: WOS
18. [1.1] NEMEVSEK, Miha - NESTI, Fabrizio - POPARA, Goran. Keung-Senjanovic process at the LHC: From lepton number violation to displaced vertices to invisible decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115018., Registrované v: WOS
19. [1.1] SALFELD-NEBGEN, J. - MARLOW, D. Data-driven precision luminosity measurements with Z bosons at the LHC and HL-LHC. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2018, vol. 13, art. no. P12016., Registrované v: WOS
20. [1.1] VON BUDDENBROCK, S. - RUIZ, R. - MELLADO, B. Anatomy of inclusive $t(\bar{t})\text{over-bar}W$ production at hadron colliders. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS
21. [1.1] XIA, L.G. QBDT, a new boosting decision tree method with systematical uncertainties into training for High Energy Physics. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, JUN 21 2019, vol. 930, p. 15-26., Registrované v: WOS

ADCA659 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - ŠÁNDOR, Ladislav - VALA, Martin. Net-Charge Fluctuations in Pb-Pb Collisions at $\sqrt{s(NN)}=2.76$ TeV. In *Physical Review Letters*, 2013, vol. 110, no. 15, art. no. 152301. (2012: 7.943 - IF, Q1 - JCR, 6.292 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.110.152301>

Ohlasy:

1. [1.1] ASAKAWA, Masayuki - KITAZAWA, Masakiyo. Fluctuations of conserved charges in relativistic heavy ion collisions: An introduction. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 90, pp. 299-342., Registrované v: WOS
2. [1.1] ASAKAWA, M. - KITAZAWA, M. - ONISHI, Y. - SAKAIDA, M. Thermal blurring effects on fluctuations of conserved charges in rapidity

- space. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 332-335., Registrované v: WOS
3. [1.1] BHATTACHARYYA, Abhijit - GHOSH, Sanjay K. - MAITY, Soumitra - RAHA, Sibaji - RAY, Rajarshi - SAHA, Kinkar - UPADHAYA, Sudipa. Reparametrizing the Polyakov-Nambu-Jona-Lasinio model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 054005., Registrované v: WOS
 4. [1.1] BHATTACHARYYA, A. - GHOSH, S.K. - MAITY, S. - RAHA, S. - RAY, R. - SAHA, K. - SAMANTA, S. - UPADHAYA, S. Thermodynamics of strongly interacting matter in a hybrid model. In PHYSICAL REVIEW C. ISSN 2469-9985, APR 23 2019, vol. 99, no. 4., Registrované v: WOS
 5. [1.1] BHATTACHARYYA, A. - DEB, P. - GHOSH, S.K. - MAITY, S. - RAHA, S. - RAY, R. - SAHA, K. - UPADHAYAO, S. Finite temperature properties of a modified Polyakov-Nambu-Jona-Lasinio model. In PHYSICAL REVIEW D. ISSN 1550-7998, OCT 13 2020, vol. 102, no. 7., Registrované v: WOS
 6. [1.1] GHOSH, Somnath - MALI, Provash - MUKHOPADHYAY, Amitabha. Net-charge fluctuation in Au plus Au collisions at energies available at the Facility for Antiproton and Ion Research using the UrQMD model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 2, art. no. 024912., Registrované v: WOS
 7. [1.1] KITAZAWA, Masakiyo - LUO, Xiaofeng. Properties and uses of factorial cumulants in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 2, art. no. 024910., Registrované v: WOS
 8. [1.1] KITAZAWA, Masakiyo. Rapidity window dependences of higher order cumulants and diffusion master equation. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 942, pp. 65-96., Registrované v: WOS
 9. [1.1] KITAZAWA, Masakiyo. Efficient formulas for efficiency correction of cumulants. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 4, art. no. 044911., Registrované v: WOS
 10. [1.1] KOCH, Volker - BZDAK, Adam. FLUCTUATIONS AND THE QCD PHASE DIAGRAM. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 7, pp. 1867-1882., Registrované v: WOS
 11. [1.1] MALI, P. - GHOSH, S. - MUKHOPADHYAY, A. System size dependence of net-charge fluctuation in nucleus-nucleus collisions at FAIR energies. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, DEC 2019, vol. 46, no. 12., Registrované v: WOS
 12. [1.1] MISHRA, D. K. - NETRAKANTI, P. K. - GARG, P. Conserved charge fluctuations using the D measure in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 5., Registrované v: WOS
 13. [1.1] MOHAPATRA, R.K. Effect of inverse magnetic catalysis on conserved-charge fluctuations in a hadron resonance gas model. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 5 2019, vol. 99, no. 2., Registrované v: WOS
 14. [1.1] OHNISHI, Yutaro - KITAZAWA, Masakiyo - ASAKAWA, Masayuki. Thermal blurring of event-by-event fluctuations generated by rapidity conversion. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 4, art. no. 044905., Registrované v: WOS
 15. [1.1] PRATT, Scott - YOUNG, Clint. Relating measurable

correlations in heavy ion collisions to bulk properties of equilibrated QCD matter. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 5, art. no. 054901., Registrované v: WOS

16. [1.1] PRATT, Scott. Consistent implementation of non-zero-range terms into hydrodynamics. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 4, art. no. 044903., Registrované v: WOS

17. [1.1] ROGLY, R. - GIACALONE, G. - OLLITRAULT, J.Y. Isolating dynamical net-charge fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, MAR 7 2019, vol. 99, no. 3., Registrované v: WOS

18. [1.1] SAKAIDA, Miki - ASAKAWA, Masayuki - KITAZAWA, Masakiyo. Higher order fluctuations of conserved charges in heavy ion collisions. In HOT QUARKS 2014: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS. ISSN 1742-6588, 2015, vol. 612, art. no. 012046., Registrované v: WOS

19. [1.1] SAKAIDA, Miki - ASAKAWA, Masayuki - FUJII, Hirotsugu - KITAZAWA, Masakiyo. Dynamical evolution of critical fluctuations and its observation in heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 064905., Registrované v: WOS

20. [1.1] SHARMA, Bhanu - AGGARWAL, Madan M. - SAHOO, Nihar Ranjan - NAYAK, Tapan K. Dynamical charge fluctuations in the hadronic medium. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 2, art. no. 024909., Registrované v: WOS

21. [1.1] SOMBUN, S. - STEINHEIMER, J. - HEROLD, C. - LIMPHIRAT, A. - YAN, Y. - BLEICHER, M. Higher order net-proton number cumulants dependence on the centrality definition and other spurious effects. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 2, art. no. 025101., Registrované v: WOS

22. [1.1] TAWFIK, Abdel Nasser - ABOU-SALEM, L. I. - SHALABY, Asmaa G. - HANAFY, M. On Dynamical Net-Charge Fluctuations within a Hadron Resonance Gas Approach. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 2475916., Registrované v: WOS

ADCA660 ACHARYA, S. - ACOSTA, F.T. - ADAMOVIĆ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Neutral pion and eta meson production at midrapidity in Pb-Pb collisions at root S-NN=2.76 TeV. In *Physical Review C*, 2018, vol. 98, no. 4, art. no. 044901. (2017: 3.304 - IF, Q2 - JCR, 1.443 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.98.044901>

Ohlasy:

1. [1.1] BASS, Steven D. - MOSKAL, Pawel. eta ' and eta mesons with connection to anomalous glue. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2019, vol. 91, no. 1, art. no. 015003., Registrované v: WOS

2. [1.1] DAI WEI - XING HONGXI - ZHANG BEN-WEI - WANG ENKE - WANG XIN-NIAN. Multiple scattering and parton energy loss in nuclei. In SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA. ISSN 1674-7275, 2019, vol. 49, no. 10, art. no. 102005., Registrované v: WOS

3. [1.1] MA, Guo-Yang - DAI, Wei - ZHANG, Ben-Wei - WANG, Enke. NLO Productions of and KS0 with a global extraction of the jet transport

parameter in heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 6, art. no. 518., Registrované v: WOS

ADCA661 ACHARYA, S. - ADAMOŤÁ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Neutral pion and eta meson production in p-Pb collisions at root S-NN=5.02 TeV. In *European Physical Journal C*, 2018, vol. 78, no. 8, art. no. 624. (2017: 5.172 - IF, Q1 - JCR, 2.022 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-018-6013-8>

Ohlasy:

1. [1.1] ARLEO, F. - COUGOULIC, F. - PEIGNE, S. Fully coherent energy loss effects on light hadron production in pA collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 30 2020, no. 9., Registrované v: WOS
2. [1.1] BASS, Steven D. - MOSKAL, Pawel. eta ' and eta mesons with connection to anomalous glue. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2019, vol. 91, no. 1, art. no. 015003., Registrované v: WOS
3. [1.1] LIU, H.Y. - KANG, Z.B. - LIU, X.H. Threshold resummation for hadron production in the small-x region. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 28 2020, vol. 102, no. 5., Registrované v: WOS
4. [1.1] MANTYSAARI, Heikki - PAUKKUNEN, Hannu. Saturation and forward jets in proton-lead collisions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 11, art. no. 114029., Registrované v: WOS
5. [1.1] NISIUS, R. BLUE: Combining correlated estimates of physics observables within ROOT using the Best Linear Unbiased Estimate method. In SOFTWAREX. ISSN 2352-7110, JAN-JUN 2020, vol. 11., Registrované v: WOS

ADCA662 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - PASTIRČÁK, Blahoslav - ŠÁNDOR, Ladislav - VALA, Martin. Neutral pion and eta meson production in proton-proton collisions at root s=0.9 TeV and root s=7 TeV. In *Physics Letters B*, 2012, vol. 717, no. 1-3, p. 162-172. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
2. [1.1] DAI, Wei - CHEN, Xiao-Fang - ZHANG, Ben-Wei - WANG, Enke. eta meson production of high-energy nuclear collisions at NLO. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 750, pp. 390-395., Registrované v: WOS
3. [1.1] DE FLORIAN, Daniel - SASSOT, R. - EPELE, Manuel - HERNANDEZ-PINTO, Roger J. - STRATMANN, Marco. Parton-to-pion fragmentation reloaded. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 014035., Registrované v: WOS
4. [1.1] DURAES, F. O. - GIANNINI, A. V. - GONCALVES, V. P. -

- NAVARRA, F. S. Rapidity dependence of the average transverse momentum in hadronic collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024917., Registrované v: WOS
5. [1.1] EPELE, Manuel - GARCIA CANAL, Carlos - SASSOT, R. Role of heavy quarks in light hadron fragmentation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 034037., Registrované v: WOS
6. [1.1] HIRAI, M. - KAWAMURA, H. - KUMANO, S. - SAITO, K. Impacts of B-factory measurements on determination of fragmentation functions from electron-positron annihilation data. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2016, no. 11, art. no. 10.1093., Registrované v: WOS
7. [1.1] JIANG, Kun - ZHU, Yinying - LIU, Weitao - CHEN, Hongfang - LI, Cheng - RUAN, Lijuan - TANG, Zebo - XU, Zhangbu. Onset of radial flow in p plus p collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 2, art. no. 024910., Registrované v: WOS
8. [1.1] KHATUN, A. - THAKUR, D. - DEB, S. - SAHOO, R. J/psi production dynamics: event shape, multiplicity and rapidity dependence in proton plus proton collisions at LHC energies using PYTHIA8. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, MAY 2020, vol. 47, no. 5., Registrované v: WOS
9. [1.1] KOVALENKO, O. NEUTRAL MESON AND DIRECT PHOTON MEASUREMENTS WITH THE ALICE EXPERIMENT. In UKRAINIAN JOURNAL OF PHYSICS. ISSN 2071-0186, 2019, vol. 64, no. 7, p. 602-606., Registrované v: WOS
10. [1.1] LEBIEDOWICZ, P. - SZCZUREK, A. Production of $f(2)$ (1270) meson in pp collisions at the LHC via gluon-gluon fusion in the $k(t)$ -factorization approach. In PHYSICS LETTERS B. ISSN 0370-2693, NOV 10 2020, vol. 810., Registrované v: WOS
11. [1.1] METZ, A. - VOSSEN, A. Parton fragmentation functions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 91, pp. 136-202., Registrované v: WOS
12. [1.1] MORIGGI, L.S. - PECCINI, G.M. - MACHADO, M.V.T. Investigating the inclusive transverse spectra in high-energy pp collisions in the context of geometric scaling framework. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 13 2020, vol. 102, no. 3., Registrované v: WOS
13. [1.1] MORREALE, Astrid - COLLABORATION, A. L. I. C. E. Production of $\pi(0)$, $K^{+/-}$ and eta mesons in Pb-Pb and pp collisions at $\sqrt{s(NN)}=2.76$ TeV measured with the ALICE detector at the LHC. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012051., Registrované v: WOS
14. [1.1] RATH, R. - TRIPATHY, S. - CHATTERJEE, B. - SAHOO, R. - TIWARI, S.K. - NATH, A. Violation of Wiedemann-Franz Law for hot hadronic matter created at NICA, FAIR and RHIC energies using non-extensive statistics. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, AUG 2019, vol. 55, no. 8., Registrované v: WOS
15. [1.1] SARASWAT, Kapil - SHUKLA, Prashant - SINGH, Venktesh. Transverse momentum spectra of hadrons in high energy pp and heavy ion collisions. In JOURNAL OF PHYSICS COMMUNICATIONS. ISSN 2399-6528, 2018, vol. 2, no. 3, art. no. 035003., Registrované v: WOS

16. [1.1] TIWARI, Swatantra Kumar - TRIPATHY, Sushanta - SAHOO, Raghunath - KAKATI, Nilotpal. Dissipative properties and isothermal compressibility of hot and dense hadron gas using non-extensive statistics. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 11, art. no. 938., Registrované v: WOS
17. [1.1] ZHENG, H. - ZHU, Lilin - BONASERA, A. Systematic analysis of hadron spectra in p plus p collisions using Tsallis distributions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 074009., Registrované v: WOS
18. [1.1] ZHENG, H. - ZHU, Lilin. Can Tsallis Distribution Fit All the Particle Spectra Produced at RHIC and LHC? In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 180491., Registrované v: WOS
19. [1.1] ZHENG, H. - ZHU, Lilin. Comparing the Tsallis Distribution with and without Thermodynamical Description in p plus p Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 9632126., Registrované v: WOS

ADCA663 ABELEV, Betty - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Neutral pion production at midrapidity in pp and Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. In *European Physical Journal C*, 2014, vol. 74, no. 10, art. no. 3108. (2013: 5.436 - IF, Q1 - JCR, 2.323 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-014-3108-8>

Ohlasy:

1. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
2. [1.1] BEGUN, Viktor - FLORKOWSKI, Wojciech. Bose-Einstein condensation of pions in heavy-ion collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 5, art. no. 054909., Registrované v: WOS
3. [1.1] BEGUN, Viktor. Fluctuations as a test of chemical nonequilibrium at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 5, art. no. 054904., Registrované v: WOS
4. [1.1] BEGUN, Viktor. Thermal model for Pb plus Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with explicit treatment of hadronic ground states. In RESONANCE WORKSHOP AT CATANIA. ISSN 2100-014X, 2015, vol. 97, art. no. 00003., Registrované v: WOS
5. [1.1] CHIEN, Yang-Ting - EMERMAN, Alexander - KANG, Zhong-Bo - OVANESYAN, Grigory - VITEV, Ivan. Jet quenching from QCD evolution. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 074030., Registrované v: WOS
6. [1.1] JIZBA, P. - KORBEL, J. Maximum Entropy Principle in Statistical Inference: Case for Non-Shannonian Entropies. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, MAR 26 2019, vol. 122, no. 12., Registrované v: WOS

7. [1.1] KOLBE, Isobel - HOROWITZ, W. A. A pQCD sized problem in small systems. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC. ISSN 1742-6588, 2017, vol. 878, art. no, UNSP 012025., Registrované v: WOS
8. [1.1] KOLBE, Isobel - HOROWITZ, W. A. A generalization to all system sizes of DGLV energy loss in the quark-gluon plasma. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP 2017. ISSN 1742-6588, 2017, vol. 889, art. no. UNSP 012008., Registrované v: WOS
9. [1.1] KOLBE, Isobel - HOROWITZ, W. A. Short path length pQCD corrections to energy loss in the quark gluon plasma. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP 2016. ISSN 1742-6588, 2017, vol. 802, art. no. UNSP 012006., Registrované v: WOS
10. [1.1] KOLBE, I. - HOROWITZ, W.A. Short-path-length corrections to Djordjevic-Gyulassy-Levai-Vitev energy loss. In PHYSICAL REVIEW C. ISSN 2469-9985, AUG 26 2019, vol. 100, no. 2., Registrované v: WOS
11. [1.1] KOVALENKO, O. NEUTRAL MESON AND DIRECT PHOTON MEASUREMENTS WITH THE ALICE EXPERIMENT. In UKRAINIAN JOURNAL OF PHYSICS. ISSN 2071-0186, 2019, vol. 64, no. 7, p. 602-606., Registrované v: WOS
12. [1.1] MINISSALE, Vincenzo - SCARDINA, Francesco - GRECO, Vincenzo. Hadrons from coalescence plus fragmentation in AA collisions at energies available at the BNL Relativistic Heavy Ion Collider to the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 92, no. 5, art. no. 054904., Registrované v: WOS
13. [1.1] MORREALE, Astrid - COLLABORATION, A. L. I. C. E. Production of $\pi(0)$, $K^{+/-}$ and η mesons in Pb-Pb and pp collisions at $\sqrt{s(NN)}=2.76$ TeV measured with the ALICE detector at the LHC. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012051., Registrované v: WOS
14. [1.1] PANTUEV, V. S. Corona Effect in AA Collisions at the LHC. In JETP LETTERS. ISSN 0021-3640, 2017, vol. 105, no. 10, pp. 631-634., Registrované v: WOS
15. [1.1] SARASWAT, Kapil - SHUKLA, Prashant - SINGH, Venktesh. Transverse momentum spectra of hadrons in high energy pp and heavy ion collisions. In JOURNAL OF PHYSICS COMMUNICATIONS. ISSN 2399-6528, 2018, vol. 2, no. 3, art. no. 035003., Registrované v: WOS
16. [1.1] TAYLOR, Frank E. Radial scaling in inclusive jet production at hadron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 054016., Registrované v: WOS
17. [1.1] VITEV, Ivan. Soft-collinear effective theory for hadronic and nuclear collisions: The evolution of jet quenching from RHIC to the highest LHC energies. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 677-680., Registrované v: WOS
18. [1.1] ZHENG, H. - ZHU, Lilin. Comparing the Tsallis Distribution with and without Thermodynamical Description in p plus p Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 9632126., Registrované v: WOS

ADCA664 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Observation and measurement of Higgs boson decays to WW^* with the ATLAS detector. In *Physical Review D*, 2015, vol. 92, no. 1, art. no. 012006. (2014: 4.643 - IF, Q1 - JCR, 2.414 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.92.012006>

Ohlasy:

1. [1.1] ABDUSSALAM, S. - CABRERA, M.E. Revealing mass-degenerate states in Higgs boson signals. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, DEC 2019, vol. 79, no. 12., Registrované v: WOS
2. [1.1] ALTIN, Z. - KIRCA, Z. - TANIMAK, T. - UN, C.S. Stop search in SUSY SO(10) GUTs with nonuniversal Gaugino masses. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, SEP 4 2020, vol. 80, no. 9., Registrované v: WOS
3. [1.1] ALTUNKAYNAK, Baris - HOU, Wei-Shu - AO, Chung - KOHDA, Masaya - MCCOY, Brent. Flavor changing heavy Higgs interactions at the LHC. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2015, vol. 751, pp. 135-142., Registrované v: WOS
4. [1.1] BABU, K.S. - JANA, S. Enhanced di-Higgs production in the two Higgs doublet model. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, FEB 28 2019, no. 2., Registrované v: WOS
5. [1.1] BANDYOPADHYAY, Priyotosh - COSTANTINI, Antonio. Distinguishing charged Higgs bosons from different representations at the LHC. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2018, no. 1, art. no. 067., Registrované v: WOS
6. [1.1] BARMAN, R.K. - BHATTACHERJEE, B. - CHOUDHURY, A. - CHOWDHURY, D. - LAHIRI, J. - RAY, S. Current status of MSSM Higgs sector with LHC 13 TeV data. In *EUROPEAN PHYSICAL JOURNAL PLUS*. ISSN 2190-5444, APR 2019, vol. 134, no. 4., Registrované v: WOS
7. [1.1] BASLER, P. - DAWSON, S. - ENGLERT, C. - MUHLLEITNER, M. Showcasing HH production: Benchmarks for the LHC and HL-LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, MAR 29 2019, vol. 99, no. 5., Registrované v: WOS
8. [1.1] BERNON, Jeremy - DUMONT, Beranger. Lilith: a tool for constraining new physics from Higgs measurements. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 440., Registrované v: WOS
9. [1.1] BROCHET, S. - DELAERE, C. - FRANCOIS, B. - LEMAITRE, V. - MERTENS, A. - SAGGIO, A. - MARONO, M.V. - WERTZ, S. MoMEMta, a modular toolkit for the Matrix Element Method at the LHC. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, FEB 11 2019, vol. 79, no. 2., Registrované v: WOS
10. [1.1] BUCKLEY, Matthew R. - FELD, David. Dark matter in leptophilic Higgs models after the LHC run I. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 075024., Registrované v: WOS
11. [1.1] CORDERO, F. Febres - HOFMANN, P. - ITA, H. $W+W\text{-}+3\text{-jet}$ production at the Large Hadron Collider in next-to-leading-order QCD. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034006.,

Registrované v: WOS

12. [1.1] DE BLAS, Jorge - EBERHARDT, Otto - KRAUSE, Claudius. Current and future constraints on Higgs couplings in the nonlinear Effective Theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 048., Registrované v: WOS
13. [1.1] DENNER, A. - PELLICCIOLI, G. Polarized electroweak bosons in $W+W-$ production at the LHC including NLO QCD effects. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 25 2020, no. 9., Registrované v: WOS
14. [1.1] DONINI, A. - MARIMON, S. G. Micro-orbits in a many-brane model and deviations from Newton's $1/r(2)$ law. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 12, art. no. 696., Registrované v: WOS
15. [1.1] DORSCH, G. C. - HUBER, S. J. - MIMASU, K. - NO, J. M. Hierarchical versus degenerate 2HDM: The LHC run 1 legacy at the onset of run 2. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115033., Registrované v: WOS
16. [1.1] DWIVEDI, Siddharth - GHOSH, Dilip Kumar - MUKHOPADHYAYA, Biswarup - SHIVAJI, Ambresh. Constraints on CP-violating gauge-Higgs operators. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095015., Registrované v: WOS
17. [1.1] ESSIG, Rouven - MEADE, Patrick - RAMANI, Harikrishnan - ZHONG, Yi-Ming. Higgs-precision constraints on colored naturalness. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 9, art. no. 085., Registrované v: WOS
18. [1.1] GRAZZINI, M. - KALLWEIT, S. - WIESEMANN, M. - YOOK, J.Y. $W+W-$ production at the LHC: NLO QCD corrections to the loop-induced gluon fusion channel. In PHYSICS LETTERS B. ISSN 0370-2693, MAY 10 2020, vol. 804., Registrované v: WOS
19. [1.1] HICYILMAZ, Yasar - SOLMAZ, Levent - TANYILDIZI, Sukru Hanif - UN, Cem Salih. Least fine-tuned $U(1)$ extended SSM. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 933, pp. 275-298., Registrované v: WOS
20. [1.1] HICYILMAZ, Yasar - SELBUZ, Levent - SOLMAZ, Levent - UN, Cem Salih. Charged Higgs boson in MSSM and beyond. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115041., Registrované v: WOS
21. [1.1] CHABAB, M. - PEYRANERE, M. C. - RAHILI, L. Probing the Higgs sector of $Y=0$ Higgs triplet model at LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 10, art. no. 873., Registrované v: WOS
22. [1.1] CHAKRABORTY, Indrani - MUKHOPADHYAYA, Biswarup - MONDAL, Subhadeep. Lepton flavor violating Higgs boson decay at $e(+)e(-)$ colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 115020., Registrované v: WOS
23. [1.1] CHAN, Chen-Hsun - CHEUNG, Kingman - CHUNG, Yi-Lun - HSU, Pai-Hsien. Vector boson fusion versus gluon fusion. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 096009., Registrované v: WOS
24. [1.1] JANA, Sudip - NANDI, S. New physics scale from Higgs

- observables with effective dimension-6 operators. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 51-58., Registrované v: WOS
25. [1.1] KACHANOVICH, A. - NIERSTE, U. - NISANDZIC, I. Higgs boson decay into a lepton pair and a photon revisited. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 16 2020, vol. 101, no. 7., Registrované v: WOS
26. [1.1] KANEMURAA, Shinya - YAGYU, Kei. Unitarity bound in the most general two Higgs doublet model. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 751, pp. 289-296., Registrované v: WOS
27. [1.1] KANEMURA, Shinya - NISHIWAKI, Kenji - OKADA, Hiroshi - ORIKASA, Yuta - PARK, Seong Chan - WATANABE, Ryoutaro. LHC 750 GeV diphoton excess in a radiative seesaw model. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2016, no. 12, art. no. 123B04., Registrované v: WOS
28. [1.1] KARAM, Alexandros - TAMVAKIS, Kyriakos. Dark matter and neutrino masses from a scale-invariant multi-Higgs portal. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 075010., Registrované v: WOS
29. [1.1] MATCHEV, K.T. - SHYAMSUNDAR, P. Singularity variables for missing energy event kinematics. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 6 2020, no. 4., Registrované v: WOS
30. [1.1] NISATI, A. - TONELLI, G. The discovery of the Higgs boson at the Large Hadron Collider. In RIVISTA DEL NUOVO CIMENTO. ISSN 0393-697X, 2015, vol. 38, no. 11, pp. 507-573., Registrované v: WOS
31. [1.1] NISHIWAKI, Kenji - OKADA, Hiroshi - ORIKASA, Yuta. Three loop neutrino model with isolated $k(+/-+/-)$. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 093013., Registrované v: WOS
32. [1.1] PEREZ, Gilad - SOREQ, Yotam - STAMOU, Emmanuel - TOBIOKA, Kohsaku. Constraining the charm Yukawa and Higgs-quark coupling universality. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 033016., Registrované v: WOS
33. [1.1] QUIGG, Chris. Future colliders symposium in Hong Kong: Scientific overview. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 33, art. no. 1644001., Registrované v: WOS
34. [1.1] RAUCH, Michael - PLATZER, Simon. Parton-shower matching systematics in vector-boson-fusion WW production. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 5, art. no. 293., Registrované v: WOS
35. [1.1] RE, Emanuele - WIESEMANN, Marius - ZANDERIGHI, Giulia. NNLOPS accurate predictions for $W+W^-$ production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 121., Registrované v: WOS
36. [1.1] TORASSA, Ezio. The Standard Model and Higgs physics. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 69-106., Registrované v: WOS
37. [1.1] WINDISCHHOFFER, P. - ZGUBIC, M. - BORTOLETTO, D. Preserving physically important variables in optimal event selections: a case study in Higgs physics. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 1 2020, no. 7., Registrované v: WOS
38. [1.1] ZHENG, S.B. Minimal vectorlike model in supersymmetric

unification. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 26 2020, vol. 80, no. 3., Registrované v: WOS

- ADCA665 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Observation and measurements of the production of prompt and non-prompt J/ψ mesons in association with a Z boson in pp collisions at root $s=8$ TeV with the ATLAS detector. In *European Physical Journal C*, 2015, vol. 75, no. 5, art. no. 229. (2014: 5.084 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-015-3406-9>
- Ohlasy:
1. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
 2. [1.1] BORSCHEFSKY, Christoph - KULESZA, Anna. Double parton scattering in pair production of J/ψ mesons at the LHC revisited. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034029., Registrované v: WOS
 3. [1.1] BUFFING, Maarten G. A. - DIEHL, Markus - KASEMETS, Tomas. Transverse momentum in double parton scattering: factorisation, evolution and matching. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 1, art. no. 044., Registrované v: WOS
 4. [1.1] DIEHL, M. - GAUNT, J.R. - PLOSSL, P. - SCHAFER, A. Two-loop splitting in double parton distributions. In SCIPOST PHYSICS. ISSN 2542-4653, AUG 2019, vol. 7, no. 2., Registrované v: WOS
 5. [1.1] DIEHL, M. - GAUNT, J.R. - LANG, D.M. - PLOSSL, P. - SCHAFER, A. Sum rule improved double parton distributions in position space. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 25 2020, vol. 80, no. 5., Registrované v: WOS
 6. [1.1] FEDKEVYCH, O. - LONNBLAD, L. Four-jet double parton scattering production in proton-nucleus collisions within the PYTHIA8 framework. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 17 2020, vol. 102, no. 1., Registrované v: WOS
 7. [1.1] GOTSMAN, E. - LEVIN, E. Double parton interaction: The values of $\sigma(\text{eff})$. In PHYSICS LETTERS B. ISSN 0370-2693, APR 10 2020, vol. 803., Registrované v: WOS
 8. [1.1] HUAYRA, E. - DE OLIVEIRA, E.G. - PASECHNIK, R. Probing double parton scattering via associated open charm and bottom production in ultraperipheral pA collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 2019, vol. 79, no. 10., Registrované v: WOS
 9. [1.1] HUAYRA, E. - DE OLIVEIRA, E.G. - PASECHNIK, R. DPS mechanism for associated $c(c)\text{over-bar}b(b)\text{over-bar}$ production in AA UPCs. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 25 2020, vol. 80, no. 8., Registrované v: WOS
 10. [1.1] KOSHKAREV, Sergey - GROOTE, Stefan. Double quarkonium production at high Feynman-x. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 915, pp. 384-391., Registrované v: WOS

11. [1.1] LANSBERG, JeanPhilippe - PISANO, Cristian - SCHLEGEL, Marc. Associated production of a dilepton and a Upsilon (J/ψ) at the LHC as a probe of gluon transverse momentum dependent distributions. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 920, pp. 192-210., Registrované v: WOS
12. [1.1] LANSBERG, Jean-Philippe - SHAO, Hua-Sheng. Phenomenological analysis of associated production of $Z(0) + b$ in the $b \rightarrow J/\psi X$ decay channel at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 916, pp. 132-142., Registrované v: WOS
13. [1.1] LANSBERG, Jean-Philippe - SHAO, Hua-Sheng. J/ψ plus Z production at the LHC. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 06013., Registrované v: WOS
14. [1.1] LANSBERG, Jean-Philippe - SHAO, Hua-Sheng - YAMANAKA, Nodoka. Indication for double parton scatterings in W plus prompt J/ψ production at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 781, pp. 485-491., Registrované v: WOS
15. [1.1] LANSBERG, J. P. Theory status of quarkonium production in proton-nucleus collisions. In 15TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2015). ISSN 1742-6588, 2016, vol. 668, art. no. 012019., Registrované v: WOS
16. [1.1] LANSBERG, J.P. New observables in inclusive production of quarkonia. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, DEC 20 2020, vol. 889, p. 1-106., Registrované v: WOS
17. [1.1] LANSBERG, J.P. - SHAO, H.S. - YAMANAKA, N. - ZHANG, Y.J. Prompt J/ψ -pair production at the LHC: impact of loop-induced contributions and of the colour-octet mechanism. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 2019, vol. 79, no. 12., Registrované v: WOS
18. [1.1] LI, G. - PAN, X.A. - SONG, M. - ZHANG, Y. Prompt J/ψ production in association with a top quark pair at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 18 2019, vol. 100, no. 7., Registrované v: WOS
19. [1.1] SHAO, Hua-Sheng - ZHANG, Yu-Jie. Complete Study of Hadroproduction of a gamma Meson Associated with a Prompt J/ψ . In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 117, no. 6, art. no. 062001., Registrované v: WOS
20. [1.1] SHAO, H.S. Probing impact-parameter dependent nuclear parton densities from double parton scatterings in heavy-ion collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 26 2020, vol. 101, no. 5., Registrované v: WOS
21. [1.1] SHAO, H.S. - ZHANG, Y.J. Triple Prompt J/ψ Hadroproduction as a Hard Probe of Multiple-Parton Scatterings. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, MAY 14 2019, vol. 122, no. 19., Registrované v: WOS

ADCA666 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - STRÍŽENEC, Pavoľ. Observation of a Centrality-Dependent Dijet Asymmetry in Lead-Lead Collisions at $\sqrt{s(NN)}=2.76$ TeV with the ATLAS

Detector at the LHC. In *Physical Review Letters*, 2010, vol. 105, no. 25, art. no. 252303. (2009: 7.328 - IF, 6.325 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.105.252303>

Ohlasy:

1. [1.1] AGAFONOVA, V. Study of Jet Shape Observables in Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV with JEWEL. In UNIVERSE. ISSN 2218-1997, MAY 2019, vol. 5, no. 5., Registrované v: WOS
2. [1.1] ALBA, Paolo - ALBERICO, Wanda Maria - NADA, Alessandro - PANERO, Marco - STOECKER, Horst. Excluded-volume effects for a hadron gas in Yang-Mills theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 094511., Registrované v: WOS
3. [1.1] APOLINARIO, Liliana - ARMESTO, Nestor - MILHANO, Jose Guilherme - SALGADO, Carlos A. Medium-induced gluon radiation and colour decoherence beyond the soft approximation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 2, art. no. 119., Registrované v: WOS
4. [1.1] APOLINARIO, Liliana - ARMESTO, Nestor - MILHANO, Guilherme - SALGADO, Carlos A. In-medium jet evolution: interplay between broadening and decoherence effects. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 681-684., Registrované v: WOS
5. [1.1] APOLINARIO, Liliana - MILHANO, Jose Guilherme - PLOSKON, Mateusz - XIAOMINGZHANG. Novel subjet observables for jet quenching in heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 529., Registrované v: WOS
6. [1.1] APOLINARIO, L. - BARATA, J. - MILHANO, G. On the breaking of Casimir scaling in jet quenching. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 29 2020, vol. 80, no. 6., Registrované v: WOS
7. [1.1] ARMESTO, Nestor - SCOMPARIN, Enrico. Heavy-ion collisions at the Large Hadron Collider: A review of the results from Run 1. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2016, vol. 131, no. 3, art. no. 52., Registrované v: WOS
8. [1.1] BALA, Renu - BAUTISTA, Irais - BIELCIKOVA, Jana - ORTIZ, Antonio. Heavy-ion physics at the LHC: Review of Run I results. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 7, art. no. 1642006., Registrované v: WOS
9. [1.1] BARATA, J. - MEHTAR-TANI, Y. Improved opacity expansion at NNLO for medium induced gluon radiation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 27 2020, no. 10., Registrované v: WOS
10. [1.1] BARNARD, N.N. - HOROWITZ, W.A. Bottomonia suppression in heavy-ion collisions from anti-de Sitter space/conformal field theory. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 21 2020, vol. 101, no. 1., Registrované v: WOS
11. [1.1] BASKAKOV, A. V. - BOOS, E. E. - DUDKO, L. V. - LOKHTIN, I. P. - SNIGIREV, A. M. Single top quark production in heavy ion collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 4, art. no. 044901., Registrované v: WOS

12. [1.1] BEGUN, Viktor - KIKOLA, Daniel - VOYCHENKO, Volodymyr - WIELANEK, Daniel. Estimation of the freeze-out parameters reachable in a fixed-target experiment at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034905., Registrované v: WOS
13. [1.1] BI, Ran. Jet energy loss in Boson-jet events in PbPb collisions at 5.02 TeV with CMS. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 540-543., Registrované v: WOS
14. [1.1] BLAIZOT, Jean-Paul - FISTER, Leonard - MEHTAR-TANI, Yacine. Angular distribution of medium-induced QCD cascades. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 940, pp. 67-88., Registrované v: WOS
15. [1.1] BLAIZOT, J.P. - MEHTAR-TANI, Y. - TORRES, M. A. C. Angular Structure of the In-Medium QCD Cascade. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 22, art. no. 222002., Registrované v: WOS
16. [1.1] BOGDANOV, A. G. - KOKOULIN, R. P. - PETRUKHIN, A. A. New approach to cosmic ray investigations above the knee. In XIV INTERNATIONAL CONFERENCE ON TOPICS IN ASTROPARTICLE AND UNDERGROUND PHYSICS (TAUP 2015), PTS 1-7. ISSN 1742-6588, 2016, vol. 718, art. no. UNSP 052029., Registrované v: WOS
17. [1.1] BONDARENKO, S. - KOMOSHVILI, K. Transverse transport properties of a charged drop in an electric field. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2015, vol. 24, no. 5, art. no. 1550034., Registrované v: WOS
18. [1.1] BONDARENKO, S. - KOMOSHVILI, K. - PRYGARIN, A. Transport properties of a charged hot spot in an external electromagnetic field. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 950, pp. 129-162., Registrované v: WOS
19. [1.1] BONDARENKO, S. - KOMOSHVILI, K. Transverse kinetics of a charged drop in an external electric field. In XITH CONFERENCE ON QUARK CONFINEMENT AND HADRON SPECTRUM. ISSN 0094-243X, 2016, vol. 1701, art. no. 060007., Registrované v: WOS
20. [1.1] BOZEK, Piotr. Small systems hydrodynamics. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 208-215., Registrované v: WOS
21. [1.1] BREWER, Jasmine - RAJAGOPAL, Krishna - SADOFYEV, Andrey - VAN DER SCHEE, Wilke. Evolution of the mean jet shape and dijet asymmetry distribution of an ensemble of holographic jets in strongly coupled plasma. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 015., Registrované v: WOS
22. [1.1] BREWER, J. - MILHANO, J.G. - THALER, J. Sorting Out Quenched Jets. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, JUN 4 2019, vol. 122, no. 22., Registrované v: WOS
23. [1.1] CARDOSO, Vitor - GUALTIERI, Leonardo - HERDEIRO, Carlos - SPERHAK, Ulrich. Exploring New Physics Frontiers Through Numerical Relativity. In LIVING REVIEWS IN RELATIVITY. ISSN 1433-8351, 2015, vol. 18, art. no. 1., Registrované v: WOS
24. [1.1] CASALDERREY-SOLANA, Jorge - GULHAN, Doga Can - MILHANO, Jose Guilherme - PABLOS, Daniel - RAJAGOPAL, Krishna. A hybrid strong/weak coupling approach to jet quenching (vol 10, pg, 2014). In

- JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art. no. 175., Registrované v: WOS
25. [1.1] CASALDERREY-SOLANA, Jorge - GULHAN, Doga Can - MILHANO, Jose Guilherme - PABLOS, Daniel - RAJAGOPAL, Krishna. Predictions for boson-jet observables and fragmentation function ratios from a hybrid strong/weak coupling model for jet quenching. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 053., Registrované v: WOS
26. [1.1] CASALDERREY-SOLANA, J. - HULCHER, Z. - MILHANO, G. - PABLOS, D. - RAJAGOPAL, K. Simultaneous description of hadron and jet suppression in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 22 2019, vol. 99, no. 5., Registrované v: WOS
27. [1.1] CASALDERREY-SOLANA, J. - MILHANO, G. - PABLOS, D. - RAJAGOPAL, K. Modification of jet substructure in heavy ion collisions as a probe of the resolution length of quark-gluon plasma. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 8 2020, no. 1., Registrované v: WOS
28. [1.1] CASALDERREY-SOLANA, Jorge - GULHAN, Doga Can - MILHANO, Jose Guilherme - PABLOS, Daniel - RAJAGOPAL, Krishna. Angular structure of jet quenching within a hybrid strong/weak coupling model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 135., Registrované v: WOS
29. [1.1] CAUCA, P. - LANCU, E. - SOYEZ, G. Deciphering the $z(g)$ distribution in ultrarelativistic heavy ion collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 2019, no. 10., Registrované v: WOS
30. [1.1] CONNORS, Megan - NATTRASS, Christine - REED, Rosi - SALUR, Sevil. Jet measurements in heavy ion physics. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2018, vol. 90, no. 2, art. no. 025005., Registrované v: WOS
31. [1.1] DAINESE, Andrea. Heavy-Flavour Probes in Heavy-Ion Collisions. In MEASUREMENT OF THE D0 MESON PRODUCTION IN PB-PB AND P-PB COLLISIONS: A STUDY PERFORMED WITH THE ALICE EXPERIMENT AT THE LHC. ISSN 2190-5053, 2016, pp. 23-49., Registrované v: WOS
32. [1.1] DAI, Wei - ZHANG, Ben-Wei - WANG, Enke. Production of $\rho(0)$ mesons with large $p(T)$ at next-to-leading order in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 024901., Registrované v: WOS
33. [1.1] DAI, W. - XING, H.X. - ZHANG, B.W. - WANG, E.K. - WANG, X.N. Multiple scattering and parton energy loss in nuclei. In SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA. ISSN 1674-7275, 2019, vol. 49, no. 10., Registrované v: WOS
34. [1.1] DAS, Sruthy Jyothi - GIACALONE, Giuliano - MONARD, Pierre-Amaury - OLLITRAULT, Jean-Yves. Relating centrality to impact parameter in nucleus-nucleus collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 1, art. no. 014905., Registrované v: WOS
35. [1.1] DEAK, Michal - KUTAK, Krzysztof - TYWONIUK, Konrad. Towards tomography of quark-gluon plasma using double inclusive forward-central jets in Pb-Pb collision. In EUROPEAN PHYSICAL JOURNAL

- C. ISSN 1434-6044, 2017, vol. 77, no. 11, art. no. 793., Registrované v: WOS
36. [1.1] DOMINGUEZ, F. - MILHANO, J.G. - SALGADO, C.A. - TYWONIUK, K. - VILA, V. Mapping collinear in-medium parton splittings. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 7 2020, vol. 80, no. 1., Registrované v: WOS
37. [1.1] DONG, X. - LEE, Y.J. - RAPP, R. Open Heavy-Flavor Production in Heavy-Ion Collisions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 69. ISSN 0163-8998, 2019, vol. 69, p. 417-445., Registrované v: WOS
38. [1.1] DRORI, A. - ROTNEMER-GOLINKIN, D. - AVNI, S. - DRORI, A. - DANAY, O. - LEVANON, D. - TAM, J. - ZOLOTAREV, L. - ILAN, Y. Attenuating the rate of total body fat accumulation and alleviating liver damage by oral administration of vitamin D-enriched edible mushrooms in a diet-induced obesity murine model is mediated by an anti-inflammatory paradigm shift. In BMC GASTROENTEROLOGY. ISSN 1471-230X, 2017, vol. 17, art. no. 130., Registrované v: WOS
39. [1.1] D'ENTERRIA, David - KRAJCZAR, Krisztian - PAUKKUNEN, Hannu. Top-quark production in proton-nucleus and nucleus-nucleus collisions at LHC energies and beyond. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 746, pp. 64-72., Registrované v: WOS
40. [1.1] ECONOMOU, Evangelos K. - OIKONOMOU, Evangelos - SIASOS, Gerasimos - PAPAGEORGIOU, Nikolaos - TSALAMANDRIS, Sotiris - MOUROUZIS, Konsantinos - PAPAIOANOU, Spyridon - TOUSOULIS, Dimitris. The role of microRNAs in coronary artery disease: From pathophysiology to diagnosis and treatment. In ATHEROSCLEROSIS. ISSN 0021-9150, 2015, vol. 241, no. 2, pp. 624-633., Registrované v: WOS
41. [1.1] EDMONDS, Terrence - LI, Qingfeng - WANG, Fuqiang. Collisional broadening of angular correlations in a multiphase transport model. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 966, pp. 124-134., Registrované v: WOS
42. [1.1] ESCOBEDO, Miguel A. - IANCU, Edmond. Multi-particle correlations and KNO scaling in the medium-induced jet evolution. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 12, art. no. 104., Registrované v: WOS
43. [1.1] ESCOBEDO, Miguel A. - LANCU, Edmond. Event-by-event fluctuations in the medium-induced jet evolution. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 008., Registrované v: WOS
44. [1.1] ESCOBEDO, Miguel A. - IANCU, Edmond. Jet evolution in a dense medium: event-by-event fluctuations and multi-particle correlations. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 449-452., Registrované v: WOS
45. [1.1] ESCOBEDO, Miguel A. - IANCU, Edmond. Event-by-event picture for the medium-induced jet evolution. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 101-104., Registrované v: WOS
46. [1.1] ESCOBEDO, Miguel A. - IANCU, Edmond. Event-by-event picture for the medium-induced jet evolution. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 07006., Registrované v: WOS

47. [1.1] FENG, Bohao - XU, Zhe - GREINER, Carsten. Dynamical scheme for hadronization with first-order phase transition. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 2, art. no. 024907., Registrované v: WOS
48. [1.1] FISTER, Leonard - IANCU, Edmond. Medium-induced jet evolution: wave turbulence and energy loss. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 3, art. no. 082., Registrované v: WOS
49. [1.1] GHIGLIERI, Jacopo - MOORE, Guy D. - TEANEY, Derek. Jet-medium interactions at NLO in a weakly-coupled quark-gluon plasma. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 095., Registrované v: WOS
50. [1.1] GHOSH, S. - CHAUDHURI, N. - SARKAR, S. - ROY, P. Effects of the anomalous magnetic moment of quarks on the dilepton production from hot and dense magnetized quark matter using the NJL model. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 6 2020, vol. 101, no. 9., Registrované v: WOS
51. [1.1] GIUBELLINO, Paolo. Highlights from ALICE. In FUTURE OF OUR PHYSICS INCLUDING NEW FRONTIERS, 2017, vol. 53., Registrované v: WOS
52. [1.1] GOTSMAN, E. - LEVIN, E. Thermal radiation and inclusive production in the Kharzeev-Levin-Nardi model for ion-ion collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 12 2019, vol. 100, no. 3., Registrované v: WOS
53. [1.1] HAAKE, R. - LOIZIDES, C. Machine-learning-based jet momentum reconstruction in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, JUN 17 2019, vol. 99, no. 6., Registrované v: WOS
54. [1.1] HAN, Cheng - HOU, De-fu - JIANG, Bing-feng - LI, Jia-rong. Jet energy loss in quark-gluon plasma: Kinetic theory with a Bhatnagar-Gross-Krook collisional kernel. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 10, art. no. 205., Registrované v: WOS
55. [1.1] HARRIS, John W. Introduction to Hard Scattering Processes and Recent Results from Hard Probes at RHIC and LHC. In XXXVII BRAZILIAN MEETING ON NUCLEAR PHYSICS. ISSN 1742-6588, 2015, vol. 630, art. no. 012052., Registrované v: WOS
56. [1.1] HARRIS, John W. Relativistic Heavy Ion Physics "Discoveries" and Future Prospects. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC. ISSN 1742-6588, 2017, vol. 878, art. no. UNSP 012002., Registrované v: WOS
57. [1.1] HESHMATIAN, S. - MORAD, R. Jet suppression in non-conformal plasma using AdS/CFT. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 8 2019, no. 3., Registrované v: WOS
58. [1.1] HE, Y.Y. - CAO, S.S. - CHEN, W. - LUO, T. - PANG, L.G. - WANG, X.N. Interplaying mechanisms behind single inclusive jet suppression in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 29 2019, vol. 99, no. 5., Registrované v: WOS
59. [1.1] HE, Y.Y. - PANG, L.G. - WANG, X.N. Gradient Tomography of Jet Quenching in Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, SEP 16 2020, vol. 125, no. 12., Registrované v: WOS
60. [1.1] HUANG, L. - NIE, M.W. - MA, G.L. Sensitivity analysis for

observables of the chiral magnetic effect using a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 28 2020, vol. 101, no. 2., Registrované v: WOS

61. [1.1] HULCHER, Zachary - PABLOS, Daniel - RAJAGOPAL, Krishna. Resolution effects in the hybrid strong/weak coupling model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 010., Registrované v: WOS

62. [1.1] CHAKRABARTY, D. R. - DINH DANG, N. - DATAR, V. M. Giant dipole resonance in hot rotating nuclei. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 5, art. no. 143., Registrované v: WOS

63. [1.1] CHANG, Ning-Bo - CAO, Shanshan - QIN, Guang-You. Probing medium-induced jet splitting and energy loss in heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 781, pp. 423-432., Registrované v: WOS

64. [1.1] CHANG, Ning-Bo - QIN, Guang-You. Full jet evolution in quark-gluon plasma and nuclear modification of jet production and jet shape in Pb plus Pb collisions at 2.76A TeV at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024902., Registrované v: WOS

65. [1.1] CHANG, N.B. - TACHIBANA, Y. - QIN, G.Y. Nuclear modification of jet shape for inclusive jets and gamma-jets at the LHC energies. In PHYSICS LETTERS B. ISSN 0370-2693, FEB 10 2020, vol. 801., Registrované v: WOS

66. [1.1] CHEN, Wei - CAO, Shanshan - LUO, Tan - PANG, Long-Gang - WANG, Xin-Nian. Effects of jet-induced medium excitation in gamma-hadron correlation in A plus A collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 777, pp. 86-90., Registrované v: WOS

67. [1.1] CHEN, W. - CAO, S.S. - LUO, T. - PANG, L.G. - WANG, X.N. Medium modification of gamma-jet fragmentation functions in Pb plus Pb collisions at LHC. In PHYSICS LETTERS B. ISSN 0370-2693, NOV 10 2020, vol. 810., Registrované v: WOS

68. [1.1] CHEN, Yi. Jet Substructure through Splitting Functions And Mass in pp and PbPb collisions at 5.02 TeV with CMS. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 512-515., Registrované v: WOS

69. [1.1] CHEN, Y.H. - MA, Y.G. - MA, G.L. - CHEN, J.H. Transverse momentum spectra of J/psi produced in collisions over an energy range from 17.4 GeV to 13 TeV. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, APR 2020, vol. 47, no. 4., Registrované v: WOS

70. [1.1] CHIEN, Yang-Ting - EMERMAN, Alexander - KANG, Zhong-Bo - OVANESYAN, Grigory - VITEV, Ivan. Jet quenching from QCD evolution. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 074030., Registrované v: WOS

71. [1.1] CHIEN, Yang-Ting - VITEV, Ivan. Towards the understanding of jet shapes and cross sections in heavy ion collisions using soft-collinear effective theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 023., Registrované v: WOS

72. [1.1] CHIEN, Yang-Ting - VITEV, Ivan. Probing the Hardest Branching within Jets in Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 11, art. no. 112301.,

Registrované v: WOS

73. [1.1] IANCU, Edmond - TAEELS, Pieter - WU, Bin. Jet quenching parameter in an expanding QCD plasma. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 786, pp. 288-295., Registrované v: WOS

74. [1.1] IANCU, Edmond - WU, Bin. Thermalization of mini-jets in a quark-gluon plasma. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 581-584., Registrované v: WOS

75. [1.1] IANCU, Edmond - WU, Bin. Medium-induced jet evolution: multiple branching and thermalization. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 276, pp. 185-188., Registrované v: WOS

76. [1.1] IANCU, Edmond - WU, Bin. Thermalization of mini-jets in a quark-gluon plasma. In 6TH INTERNATIONAL CONFERENCE ON PHYSICS OPPORTUNITIES AT AN ELECTRON-ION COLLIDER. ISSN 2100-014X, 2016, vol. 112, art. no. 04007., Registrované v: WOS

77. [1.1] ISLAM, C.A. - BANDYOPADHYAY, A. - ROY, P.K. - SARKAR, S. Spectral function and dilepton rate from a strongly magnetized hot and dense medium in light of mean field models. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 20 2019, vol. 99, no. 9., Registrované v: WOS

78. [1.1] ISLAM, Chowdhury Aminul - MAJUMDER, Sarbani - HAQUE, Najmul - MUSTAFA, Munshi G. Vector meson spectral function and dilepton production rate in a hot and dense medium within an effective QCD approach. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 2, art. no. 011., Registrované v: WOS

79. [1.1] JIANG, Bing-feng - HOU, De-fu - LI, Jia-rong. Polarization energy loss in hot viscous quark-gluon plasma. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 8, art. no. 085107., Registrované v: WOS

80. [1.1] JIANG, Bing-feng - HOU, De-fu - LI, Jia-rong. Refractive index of quark-gluon plasma: Kinetic theory with a Bhatnagar-Gross-Krook collisional kernel. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 074026., Registrované v: WOS

81. [1.1] JIANG, Bing-feng - HOU, De-fu - LI, Jia-rong. Energy change of a heavy quark in a viscous quark-gluon plasma with fluctuations. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 953, pp. 176-189., Registrované v: WOS

82. [1.1] JIA, J.Y. - WEI, S.Y. - XIAO, B.W. - YUAN, F. Medium-induced transverse momentum broadening via forward dijet correlations. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 12 2020, vol. 101, no. 9., Registrované v: WOS

83. [1.1] JUNG, Kurt. Jet Spectra in pp, pA, and AA Collisions. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 36-41., Registrované v: WOS

84. [1.1] KAMAL, Arshad - AHMAD, N. - KHAN, M. M. STUDY OF ANOMALOUS FRACTAL DIMENSIONS AND SCALING EXPONENT IN GINZBURG-LANDAU PHASE TRANSITION IN 14.5 A GeV/c Si-28-AgBr INTERACTIONS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2015, vol. 46, no. 8, pp. 1549-1565., Registrované v: WOS

85. [1.1] KANG, Zhong-Bo. Recent developments in NLO corrections to in-medium jets. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS.

- ISSN 2405-6014, 2016, vol. 276, pp. 48-53., Registrované v: WOS
86. [1.1] KANG, Z.B. - REITEN, J. - VITEV, I. - YOON, B. Light and heavy flavor dijet production and dijet mass modification in heavy ion collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 15 2019, vol. 99, no. 3., Registrované v: WOS
87. [1.1] KAUDER, Kolja. Di-Jet Imbalance Measurements in Central Au plus Au Collisions at root S-NN=200 GeV from STAR. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 276, pp. 201-204., Registrované v: WOS
88. [1.1] KLEIN, S. - MUELLER, A.H. - XIAO, B.W. - YUAN, F. Acoplanarity of a Lepton Pair to Probe the Electromagnetic Property of Quark Matter. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, APR 3 2019, vol. 122, no. 13., Registrované v: WOS
89. [1.1] KLEIN, S. - MUELLER, A.H. - XIAO, B.W. - YUAN, F. Lepton pair production through two photon process in heavy ion collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 13 2020, vol. 102, no. 9., Registrované v: WOS
90. [1.1] KOFARAGO, Monika. Near-side jet peak broadening in Pb-Pb collisions at root S-NN=2.76 TeV. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 342-345., Registrované v: WOS
91. [1.1] KOLBE, I. - HOROWITZ, W.A. - MOGLIACCI, S. Small System Corrections to Thermal Field Theory and pQCD Energy Loss. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2018). ISSN 1742-6588, 2019, vol. 1271., Registrované v: WOS
92. [1.1] KOVARIK, K. - NADOLSKY, P.M. - SOPER, D.E. Hadronic structure in high-energy collisions. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, NOV 4 2020, vol. 92, no. 4., Registrované v: WOS
93. [1.1] KRIZEK, Filip. Correlations and flavors in jets in ALICE. In 15TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2015). ISSN 1742-6588, 2016, vol. 668, art. no. 012018., Registrované v: WOS
94. [1.1] KURGYIS, B. - CSANAD, M. OBSERVABLES FROM A PERTURBATIVE, ACCELERATING SOLUTION OF RELATIVISTIC HYDRODYNAMICS. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, p. 169-174., Registrované v: WOS
95. [1.1] KURKELA, Aleksi - WIEDEMANN, Urs Achim. Picturing perturbative parton cascades in QCD matter. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 740, pp. 172-178., Registrované v: WOS
96. [1.1] KUTAK, K. - PLACZEK, W. - STRAKA, R. Solutions of evolution equations for medium-induced QCD cascades. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, APR 9 2019, vol. 79, no. 4., Registrované v: WOS
97. [1.1] LADREM, M.L.H. - AHMED, M.A.A. - CHERIF, S. - ALFULL, Z.Z.M. - ALMARASHI, M.M. Detailed study of the QCD Equation of State of a colorless partonic plasma in finite volume. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, MAR 30 2019, vol. 34, no. 9., Registrované v: WOS
98. [1.1] LARKOSKI, A.J. - MOULT, I. - NACHMAN, B. Jet

substructure at the Large Hadron Collider: A review of recent advances in theory and machine learning. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, JAN 27 2020, vol. 841, p. 1-63., Registrované v: WOS

99. [1.1] LEE, C. - SHRIVASTAVA, P. - VAIDYA, V. Predictions for energy correlators probing substructure of groomed heavy quark jets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 6 2019, no. 9., Registrované v: WOS

100. [1.1] LEE, Yen-Jie. Studies of dijet pseudorapidity distributions and transverse momentum balance in pPb collisions at $\sqrt{s(NN)}=5.02$ TeV. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 352, pp. 27-34., Registrované v: WOS

101. [1.1] LIU, X.H. - RINGER, F. - VOGELSANG, W. - YUAN, F. Lepton-Jet Correlations in Deep Inelastic Scattering at the Electron-Ion Collider. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, MAY 15 2019, vol. 122, no. 19., Registrované v: WOS

102. [1.1] LIU, X.H. - RINGER, F. - VOGELSANG, W. - YUAN, F. Factorization and its breaking in dijet single transverse spin asymmetries in pp collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 7 2020, vol. 102, no. 11., Registrované v: WOS

103. [1.1] LOKHTIN, I. P. - ALKIN, A. A. - SNIGIREV, A. M. On jet structure in heavy ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 452., Registrované v: WOS

104. [1.1] LUO, Tan - CAO, Shanshan - HE, Yayun - WANG, Xin-Nian. Multiple jets and gamma-jet correlation in high-energy heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 782, pp. 707-716., Registrované v: WOS

105. [1.1] MAJUMDER, A. - PUTSCHKE, J. Mass depletion: A new parameter for quantitative jet modification. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 5, art. no. 054909., Registrované v: WOS

106. [1.1] MAKRIS, Yiannis - VAIDYA, Varun. Transverse momentum spectra at threshold for groomed heavy quark jets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 019., Registrované v: WOS

107. [1.1] MA, Guo-Liang - NIE, Mao-Wu. Properties of Full Jet in High-Energy Heavy-Ion Collisions from Parton Scatterings. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 967474., Registrované v: WOS

108. [1.1] MA, Guo-Liang. Reconstructed jets in a multi-phase transport model. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 363-367., Registrované v: WOS

109. [1.1] MCGINN, Christopher F. Angular distributions of the quenched energy flow from dijets with different radius parameters in CMS. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 573-576., Registrované v: WOS

110. [1.1] MCGINN, Christopher. Photon-Jet Correlations in pp and PbPb collisions at 5.02 TeV with CMS. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 333-337., Registrované v: WOS

111. [1.1] MEHTAR-TANI, Yacine - TYWONIUK, Konrad. Radiative

- energy loss of neighboring subjects. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 979, pp. 165-203., Registrované v: WOS
112. [1.1] MEHTAR-TANI, Yacine - SCHLICHTING, Soeren. Universal quark to gluon ratio in medium-induced parton cascade. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 144., Registrované v: WOS
113. [1.1] MEHTAR-TANI, Yacine - TYWONIUK, Konrad. Sudakov suppression of jets in QCD media. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 051501., Registrované v: WOS
114. [1.1] MEHTAR-TANI, Yacine. Theoretical Developments in QCD Jet Energy Loss. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 168-175., Registrované v: WOS
115. [1.1] MEHTAR-TANI, Yacine. Jet structure in Heavy-Ion Collisions A theory overview. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 276, pp. 41-47., Registrované v: WOS
116. [1.1] MEHTAR-TANI, Y. Gluon bremsstrahlung in finite media beyond multiple soft scattering approximation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 11 2019, no. 7., Registrované v: WOS
117. [1.1] MEHTAR-TANI, Y. - SOTO-ONTOSO, A. - VERWEIJ, M. Background estimator for jet studies in p plus p and A plus A collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 13 2019, vol. 100, no. 11., Registrované v: WOS
118. [1.1] MILHANO, Jose Guilherme - ZAPP, Korinna Christine. Origins of the di-jet asymmetry in heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 288., Registrované v: WOS
119. [1.1] MOGLIACCI, S. - KOLBE, I. - HOROWITZ, W.A. Geometrically confined thermal field theory: Finite size corrections and phase transitions. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 23 2020, vol. 102, no. 11., Registrované v: WOS
120. [1.1] MOLDES, M. R. - CALVO, M. R. - SALGADO, C. A. Radiation spectrum of a massive quark-gluon antenna. In 9TH INTERNATIONAL WORKSHOP ON HIGH-PT PHYSICS AT LHC. ISSN 1742-6588, 2015, vol. 589, art. no. 012004., Registrované v: WOS
121. [1.1] MORAD, R. - HOROWITZ, W. A. Jet Nuclear Modification Factor from the AdS/CFT Correspondence. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2014). ISSN 1742-6588, 2015, vol. 623, art. no. 012021., Registrované v: WOS
122. [1.1] MORAD, R. - HOROWITZ, W. A. Energy density of light quark jet using AdS/CFT. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP 2016. ISSN 1742-6588, 2017, vol. 802, art. no. UNSP 012009., Registrované v: WOS
123. [1.1] MORRISON, David - NAGLE, James L. PHENIX: Beyond 15 years of discovery. In Progress of Theoretical and Experimental Physics. ISSN 2050-3911, 2015, no. 3, art. no. 03A108., Registrované v: WOS
124. [1.1] MUELLER, A. H. - WU, Bin - XIAO, Bo-Wen - YUAN, Fen. Probing transverse momentum broadening in heavy ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 763, pp. 208-212., Registrované v:

WOS

125. [1.1] MUELLER, A. H. - WU, Bin - XIAO, Bo-Wen - YUAN, Feng. Medium induced transverse momentum broadening in hard processes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034007., Registrované v: WOS
126. [1.1] NATTRASS, Christine. Measurements of jets in ALICE. In 9TH INTERNATIONAL WORKSHOP ON HIGH-PT PHYSICS AT LHC. ISSN 1742-6588, 2015, vol. 589, art. no. 012015., Registrované v: WOS
127. [1.1] NATTRASS, Christine. MEASUREMENTS OF JETS IN ALICE. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 6, pp. 1543-1551., Registrované v: WOS
128. [1.1] NATTRASS, Christine. Jets in heavy ion collisions. In WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS (HOT QUARKS 2016). ISSN 1742-6588, 2017, vol. 832, art. no. UNSP 012001., Registrované v: WOS
129. [1.1] NATTRASS, Christine. Reexamining the iconic dihadron correlation measurement demonstrating jet quenching. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034916., Registrované v: WOS
130. [1.1] OLIMOV, K.K. - KANOKOVA, S.Z. - OLIMOV, A.K. - UMAROV, K.I. - TUKHTAEV, B.J. - GULAMOV, K.G. - YULDASHEV, B.S. - LUTPULLAEV, S.L. - SAIDKHANOV, N.S. - OLIMOV, K. - SADYKOV, T.K. Combined analysis of midrapidity transverse momentum spectra of the charged pions and kaons, protons and antiprotons in p plus p and Pb plus Pb collisions at $(s_{nn})^{1/2}=2.76$ and 5.02 TeV at the LHC. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, SEP 21 2020, vol. 35, no. 29., Registrované v: WOS
131. [1.1] OLIMOV, K.K. - KANOKOVA, S.Z. - OLIMOV, K. - GULAMOV, K.G. - YULDASHEV, B.S. - LUTPULLAEV, S.L. - UMAROV, F.Y. Average transverse expansion velocities and global freeze-out temperatures in central Cu plus Cu, Au plus Au, and Pb plus Pb collisions at high energies at RHIC and LHC. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, MAY 10 2020, vol. 35, no. 14., Registrované v: WOS
132. [1.1] PAL, Kausik. Correlation corrections to the thermodynamic properties of spin-asymmetric QGP matter. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2015, vol. 130, no. 2, pp. 1-10., Registrované v: WOS
133. [1.1] PAL, Kausik. Possible ferromagnetism of dense quark matter. In CANADIAN JOURNAL OF PHYSICS. ISSN 0008-4204, 2018, vol. 96, no. 11, pp. 1163-1172., Registrované v: WOS
134. [1.1] PETRUKHIN, A. A. - BOGDANOV, A. G. Heavy particles at the LHC and in cosmic rays. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, 2017, vol. 48, no. 5, pp. 793-795., Registrované v: WOS
135. [1.1] PRINO, Francesco - RAPP, Ralf. Open heavy flavor in QCD matter and in nuclear collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 9, art. no. 093002., Registrované v: WOS
136. [1.1] QIN, Guang-You. Anisotropic flow and jet quenching in relativistic nuclear collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2015, vol. 24, no. 2, art.

no. 1530001., Registrované v: WOS

137. [1.1] QIN, Guang-You. Modification of jet rate, shape and structure: model and phenomenology. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 47-52., Registrované v: WOS

138. [1.1] RAMAMURTI, Adith - SHURYAK, Edward. Role of QCD monopoles in jet quenching. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 016010., Registrované v: WOS

139. [1.1] RATH, S. - PATRA, B.K. Revisit to electrical and thermal conductivities, Lorenz and Knudsen numbers in thermal QCD in a strong magnetic field. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 17 2019, vol. 100, no. 1., Registrované v: WOS

140. [1.1] REZAEIAN, Amir H. Photon-jet ridge at RHIC and the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 094030., Registrované v: WOS

141. [1.1] ROSSI, A. Experiment summary. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 276, pp. 96-102., Registrované v: WOS

142. [1.1] SAPETA, Sebastian. QCD and jets at hadron colliders. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 89, pp. 1-55., Registrované v: WOS

143. [1.1] SCHULC, Martin - TOMASIK, Boris. The effect of momentum deposition during fireball evolution on flow anisotropy. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 12, art. no. 125106., Registrované v: WOS

144. [1.1] SCHUTZ, Yves. On the trail of a new state of matter. In COMPTES RENDUS PHYSIQUE. ISSN 1631-0705, 2015, vol. 16, no. 4, pp. 448-456., Registrované v: WOS

145. [1.1] SOYEZ, G. Pileup mitigation at the LHC: A theorist's view. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, APR 25 2019, vol. 803, p. 1-158., Registrované v: WOS

146. [1.1] STERMAN, George. Yang-Mills theories at high energy accelerators. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 9, art. no. 1630005., Registrované v: WOS

147. [1.1] SULEYMANOV, M. THE COLLECTIVE BEHAVIOR OF THE PARTONS AND ITS INFLUENCE ON THE JET SUPPRESSION IN HEAVY ION COLLISIONS.. In MODERN TRENDS IN PHYSICS. ISSN 2522-4352, 2019, p. 270-274., Registrované v: WOS

148. [1.1] TACHIBANA, Yasuki - HIRANO, Tetsufumi. Interplay between Mach cone and radial expansion and its signal in gamma-jet events. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 5, art. no. 054907., Registrované v: WOS

149. [1.1] TANNENBAUM, M. J. How hadron collider experiments contributed to the development of QCD: from hard-scattering to the perfect liquid. In EUROPEAN PHYSICAL JOURNAL H. ISSN 2102-6459, 2018, vol. 43, no. 2, pp. 119-183., Registrované v: WOS

150. [1.1] TATAR, Kaya. Study of Z plus jet correlations in PbPb and pp collisions at root S-NN=5.02 TeV. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 321-324., Registrované v: WOS

151. [1.1] VAIDYA, V. - YAO, X.J. Transverse momentum broadening of a jet in quark-gluon plasma: an open quantum system EFT. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 5 2020, no. 10., Registrované v: WOS
152. [1.1] VAN HAMEREN, A. - KUTAK, K. - PLACZEK, W. - ROHRMOSER, M. - TYWONIUK, K. Jet quenching and effects of non-Gaussian transverse-momentum broadening on dijet observables. In PHYSICAL REVIEW C. ISSN 0556-2813, OCT 21 2020, vol. 102, no. 4., Registrované v: WOS
153. [1.1] VELICANU, Dragos. Jet-track correlations in PbPb and pp collisions at 2.76TeV. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 276, pp. 273-276., Registrované v: WOS
154. [1.1] WANG, Fuqiang. Jet-quenching and correlations. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2015, vol. 84, no. 5, pp. 801-819., Registrované v: WOS
155. [1.1] WANG, Quan. High p(T) Harmonics in PbPb Collisions at 5.02 TeV. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 397-400., Registrované v: WOS
156. [1.1] WONDRAK, M.F. - KAMINSKI, M. - BLEICHER, M. Shear transport far from equilibrium via holography. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS
157. [1.1] XING, W.J. - CAO, S.S. - QIN, G.Y. - XING, H.X. Flavor hierarchy of jet quenching in relativistic heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, JUN 10 2020, vol. 805., Registrované v: WOS
158. [1.1] YAN, Y.L. - LIMPHIRAT, A. - ZHOU, D.M. - SRISAWAD, P. - YAN, Y.P. - YANG, C.B. - CAI, X. - SA, B. Comparative study of the forward and backward methods for calculating jet properties in pp collisions at $\sqrt{s}=7$ TeV. In CHINESE PHYSICS C. ISSN 1674-1137, MAR 2020, vol. 44, no. 3., Registrované v: WOS
159. [1.1] ZHANG, C. - MEI, D.M. Atmospheric charged K/pi ratio and measurement of muon annual modulation with a liquid scintillation detector at Soudan. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 2019, vol. 79, no. 10., Registrované v: WOS
160. [1.1] ZHANG, Le - HOU, De-Fu - QIN, Guang-You. Medium-induced gluon emission via transverse and longitudinal scattering in dense nuclear matter. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034913., Registrované v: WOS
161. [1.1] ZHANG, L. - HOU, D.F. - QIN, G.Y. Gluon emission from heavy quarks in dense nuclear matter. In PHYSICAL REVIEW C. ISSN 2469-9985, SEP 30 2019, vol. 100, no. 3., Registrované v: WOS
162. [1.1] ZHANG, Shan-Liang - LUO, Tan - WANG, Xin-Nian - ZHANG, Ben-Wei. Z(0)+jet correlation with next-to-leading-order-matched parton-shower and jet-medium interaction in high-energy nuclear collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 021901., Registrované v: WOS
163. [1.1] ZHANG, Y.Y. - QIN, G.Y. - WANG, X.N. Parton energy loss and the generalized jet transport coefficient. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 29 2019, vol. 100, no. 7., Registrované v: WOS
164. [1.1] ZHOU, F.C. - MA, G.L. - MA, Y.G. Extracting jet transport

parameter q from a multiphase transport model. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, FEB 27 2020, vol. 56, no. 2., Registrované v: WOS

ADCA667 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Observation of a new particle in the search for the Standard Model Higgs boson with the ATLAS detector at the LHC. In *Physics Letters B*, 2012, vol. 716, no. 1, p. 1-29. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] ABADA, Asmaa - TOMA, Takashi. Electric dipole moments of charged leptons with sterile fermions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 2, art. no. 174., Registrované v: WOS
2. [1.1] ABBAS, Gauhar - DAS, Diganta - PATRA, Monalisa. Loop induced $H \rightarrow W^{+/-} Z$ decays in the aligned two-Higgs-doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115013., Registrované v: WOS
3. [1.1] ABDALGABAR, Ammar - CORNELL, A. S. Large trilinear $A(t)$ soft supersymmetry breaking coupling from 5D MSSM. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP (HEPPW2015). ISSN 1742-6588, 2015, vol. 645, art. no. UNSP 012001., Registrované v: WOS
4. [1.1] ABDALLAH, W. - KHALIL, S. Dark Matter in B L supersymmetric Standard Model with inverse seesaw. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2017, no. 4, art. no. 016., Registrované v: WOS
5. [1.1] ABDALLAH, W. - KHALIL, S. - MORETTI, S. - MUNIR, S. Closing in on the Wino LSP via trilepton searches at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 1, art. no. 155., Registrované v: WOS
6. [1.1] ABDUGHANI, Murat - WU, Lei - YANG, Jin Min. Status and prospects of light bino-higgsino dark matter in natural SUSY. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 78, no. 1, art. no. 4., Registrované v: WOS
7. [1.1] ABDULLAYEV, S. K. - GOJAYEV, M. Sh. - SADDIGH, F. A. Decay Channels of the Standard Higgs Boson. In MOSCOW UNIVERSITY PHYSICS BULLETIN. ISSN 0027-1349, 2017, vol. 72, no. 4, pp. 329-339., Registrované v: WOS
8. [1.1] ABDULLAYEV, S. K. - GODJAYEV, M. Sh. Production and decay of Higgs bosons in muon colliders. In MODERN TRENDS IN PHYSICS, 2017, pp. 61-63., Registrované v: WOS
9. [1.1] ABDULLAYEV, S. K. - GOJAYEV, M. Sh. - NASIBOVA, N. A. Production of a Scalar Boson and a Heavy Fermion Pair in Counterpropagating $e^{(-)}e^{(+)}$ Beams. In RUSSIAN PHYSICS JOURNAL. ISSN 1064-8887, 2018, vol. 61, no. 7, pp. 1306-1315., Registrované v: WOS
10. [1.1] ABDULLAYEV, S. K. - GOJAYEV, M. Sh. - NASIBOVA, N. A. PRODUCTION OF A SCALAR BOSON AND A FERMION PAIR IN ARBITRARILY POLARIZED $e^{(-)}e^{(+)}$ BEAMS. In RUSSIAN PHYSICS JOURNAL. ISSN 1064-8887, 2018, vol. 61, no. 1, pp. 94-101., Registrované v: WOS

11. [1.1] ABDULLAYEV, S.K. - GOJAYEV, M.S. - NASIBOVA, N.A. MEASUREMENT OF THE COUPLING CONSTANT OF THE HIGGS BOSON WITH A $(t\bar{t})$ HEAVY QUARK PAIR. In RUSSIAN PHYSICS JOURNAL. ISSN 1064-8887, FEB 2019, vol. 61, no. 10, p. 1838-1847., Registrované v: WOS
12. [1.1] ABDULLAYEV, S.K. - GOJAYEV, M.S. Associated Production of a Higgs Boson and Heavy Fermion Pair in $e(-)e(+)$ -Collisions. In MOSCOW UNIVERSITY PHYSICS BULLETIN. ISSN 0027-1349, JAN 2019, vol. 74, no. 1, p. 24-32., Registrované v: WOS
13. [1.1] ABDULLAYEV, S.K. - OMAROVA, E.S. Three-Particle Decays of the Higgs Bosons in the Minimal Supersymmetric Standard Model. In RUSSIAN PHYSICS JOURNAL. ISSN 1064-8887, JUL 2019, vol. 62, no. 3, p. 425-435., Registrované v: WOS
14. [1.1] ABDULLAYEV, S.K. - OMAROVA, E.S. Decays of Higgs Bosons Into a Gauge Boson and a Fermion-Antifermion Pair. In RUSSIAN PHYSICS JOURNAL. ISSN 1064-8887, MAY 2019, vol. 62, no. 1, p. 30-39., Registrované v: WOS
15. [1.1] ABDULLAYEV, S.K. - OMAROVA, E.S. Decays of Higgs Bosons Into a Fermion-Antifermion Pair. In RUSSIAN PHYSICS JOURNAL. ISSN 1064-8887, JAN 2019, vol. 61, no. 9, p. 1603-1612., Registrované v: WOS
16. [1.1] ABDULOV, N. A. - LIPATOV, A. - MALYSHEV, M. A. Inclusive Higgs boson production at the LHC in the $k(T)$ -factorization approach. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 054017., Registrované v: WOS
17. [1.1] ABDURACHMANOV, David - ELMER, Peter - EULISSE, Giulio - KNIGHT, Robert - NIEMI, Tapio - NURMINEN, Jukka K. - NYBACK, Filip - PESTANA, Goncalo - OU, Zhonghong - KHAN, Kashif. Techniques and tools for measuring energy efficiency of scientific software applications. In 16TH INTERNATIONAL WORKSHOP ON ADVANCED COMPUTING AND ANALYSIS TECHNIQUES IN PHYSICS RESEARCH (ACAT2014). ISSN 1742-6588, 2015, vol. 608, art. no. 012032., Registrované v: WOS
18. [1.1] ABDURACHMANOV, David - BOCKELMAN, Brian - ELMER, Peter - EULISSE, Giulio - KNIGHT, Robert - MUZAFFAR, Shahzad. Heterogeneous High Throughput Scientific Computing with APM X-Gene and Intel Xeon Phi. In 16TH INTERNATIONAL WORKSHOP ON ADVANCED COMPUTING AND ANALYSIS TECHNIQUES IN PHYSICS RESEARCH (ACAT2014). ISSN 1742-6588, 2015, vol. 608, art. no. 012033., Registrované v: WOS
19. [1.1] ABDUSSALAM, S. S. Light and compressed gluinos at the LHC via string theory. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 5, art. no. 311., Registrované v: WOS
20. [1.1] ABDUSSALAM, S. S. - VELASCO-SEVILLA, L. Where to look for natural supersymmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035026., Registrované v: WOS
21. [1.1] ABE, Hiroyuki - KAWAMURA, Junichiro - OMURA, Yuji. LHC phenomenology of natural MSSM with non-universal gaugino masses at the unification scale. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 8, art. no. 089., Registrované v: WOS
22. [1.1] ABE, Tomohiro - OMURA, Yuji. Emergent two-Higgs doublet models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016,

no. 8, art. no. 021., Registrované v: WOS

23. [1.1] ABE, Tomohiro - SATO, Ryosuke. Quantum corrections to the spin-independent cross section of the inert doublet dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 3, art. no. 109., Registrované v: WOS

24. [1.1] ABE, Yugo - GOTO, Yuhei - KAWAMURA, Yoshiharu. Left-right symmetry, orbifold $S-1/Z(2)$, and radiative breaking of $U(1)(R) \times U(1)(B-L)$. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2018, no. 10, art. no. 103B01., Registrované v: WOS

25. [1.1] ABOUBRAHIM, Amin - IBRAHIM, Tarek - NATH, Pran. Leptonic $g-2$ moments, CP phases, and the Higgs boson mass constraint. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015032., Registrované v: WOS

26. [1.1] ABOUBRAHIM, Amin - NATH, Pran. Supergravity models with 50-100 TeV scalars, supersymmetry discovery at the LHC, and gravitino decay constraints. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075015., Registrované v: WOS

27. [1.1] ABOUBRAHIM, Amin - NATH, Pran - SPISAK, Andrew B. Stau coannihilation, compressed spectrum, and SUSY discovery potential at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115030., Registrované v: WOS

28. [1.1] ABOUBRAHIM, Amin - NATH, Pran. Naturalness, the hyperbolic branch, and prospects for the observation of charged Higgs bosons at high luminosity LHC and 27 TeV LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095024., Registrované v: WOS

29. [1.1] ABOUBRAHIM, Amin - NATH, Pran. Supersymmetry at a 28 TeV hadron collider: HE-LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 015009., Registrované v: WOS

30. [1.1] ABOUBRAHIM, A. - NATH, P. Mixed hidden sector-visible sector dark matter and observation of a CP odd Higgs boson at HL-LHC and HE-LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 29 2019, vol. 100, no. 1., Registrované v: WOS

31. [1.1] ABOUBRAHIM, A. - NATH, P. Detecting hidden sector dark matter at HL-LHC and HE-LHC via long-lived stau decays. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 27 2019, vol. 99, no. 5., Registrované v: WOS

32. [1.1] ABRAHANTES, A. - ARGANDA, E. - PENARANDA, S. Top-quark polarization and asymmetries at the LHC in the effective description of squark interactions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 1, art. no. 37., Registrované v: WOS

33. [1.1] ADACHI, Yuki - MARU, Nobuhito. Deviation of Yukawa coupling in gauge-Higgs unification. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2015, vol. 130, no. 8, art. no. 168., Registrované v: WOS

34. [1.1] ADAMEK, Julian - DURRER, Ruth - KUNZ, Martin. Relativistic N-body simulations with massive neutrinos. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2017, no. 11, art. no. 004., Registrované v: WOS

35. [1.1] ADCOCK, Colin D. - MARTIN, Alan D. - SCHWENK, Achim.

Celebrating 40 years of research in Journal of Physics G: Nuclear and Particle Physics. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 9, art. no. 094001., Registrované v: WOS

36. [1.1] AEBISCHER, Jan - CRIVELLIN, Andreas - FAEL, Matteo - GREUB, Christoph. Matching of gauge invariant dimension-six operators for $b \rightarrow s$ and $b \rightarrow c$ transitions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 037., Registrované v: WOS

37. [1.1] AEBISCHER, Jason - CRIVELLIN, Andreas - GREUB, Christoph - YAMADA, Youichi. The MSSM without gluinos; an effective field theory for the stop sector. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 11, art. no. 740., Registrované v: WOS

38. [1.1] AEBISCHER, Jason - CRIVELLIN, Andreas - GREUB, Christoph. One-loop SQCD corrections to the decay of top squarks to charm and neutralino in the generic MSSM. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 035010., Registrované v: WOS

39. [1.1] AGARWALLA, Sanjib Kumar - GHOSH, Monojit - RAUT, Sushant K. A hybrid setup for fundamental unknowns in neutrino oscillations using T2HK (ν) and mu-DAR ($\bar{\nu}$). In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 5, art. no. 115., Registrované v: WOS

40. [1.1] AGGARWAL, Parul - BETHLEM, Hendrick L. - BORSCHEVSKY, Anastasia - DENIS, Malika - ESAJAS, Kevin - HAASE, Pi A. B. - HAO, Yongliang - HOEKSTRA, Steven - JUNGSMANN, Klaus - MEIJKNECHT, Thomas B. - MOOIJ, Maarten C. - TIMMERMANS, Rob G. E. - UBACHS, Wim - WILLMANN, Lorenz - ZAPARA, Artem. Measuring the electric dipole moment of the electron in BaF. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2018, vol. 72, no. 11, art. no. 197., Registrované v: WOS

41. [1.1] AGGLETON, R. - BARDUCCI, D. - BOMARK, N.E. - MORETTI, S. - SHEPHERD-THEMISTOCLEOUS, C. Review of LHC experimental results on low mass bosons in multi Higgs models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 2, art. no. 035., Registrované v: WOS

42. [1.1] AGOSTINI, A. - DEGRASSI, G. - GROBER, R. - SLAVICH, P. NLO-QCD corrections to Higgs pair production in the MSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 106., Registrované v: WOS

43. [1.1] AGRAWAL, Pankaj - SAHA, Debashis - SHIVAJI, Ambresh. Production of HHH and HHV ($V = \gamma, Z$) at the hadron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 036006., Registrované v: WOS

44. [1.1] AGRAWAL, Pankaj - SHIVAJI, Ambresh. Gluon fusion contribution to $V H_j$ production at hadron colliders. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 741, pp. 111-116., Registrované v: WOS

45. [1.1] AGUILAR, A. C. - DOFF, A. - NATALE, A. A. Perturbative corrections to technicolor. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115035., Registrované v: WOS

46. [1.1] AHMED, Ijaz - HASHEMI, Majid - TAJUDDIN, Wan Ahmad. The s-channel charged Higgs in the fully hadronic final state at LHC. In

- EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, pp. 1-10., Registrované v: WOS
47. [1.1] AHMED, Ijaz. Sources of Charged Higgs Pair through Double or Triple Higgs Production at Linear Colliders. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, art. no. 6139250., Registrované v: WOS
48. [1.1] AHMED, Taushif - BONVINI, Marco - KUMAR, M. C. - MATHEWS, Prakash - RANA, Narayan - RAVINDRAN, V. - ROTTOLI, Luca. Pseudo-scalar Higgs boson production at (NLO)-L-3+(NLL)-L-3 '. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 12, art. no. 663., Registrované v: WOS
49. [1.1] AHMED, Taushif - GEHRMANN, Thomas - MATHEWS, Prakash - RANA, Narayan - RAVINDRAN, V. Pseudo-scalar form factors at three loops in QCD. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 11, art. no. 169., Registrované v: WOS
50. [1.1] AHMED, Taushif - KUMAR, M. C. - MATHEWS, Prakash - RANA, Narayan - RAVINDRAN, V. Pseudo-scalar Higgs boson production at threshold NLO and NLL QCD. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 6, art. no. 355., Registrované v: WOS
51. [1.1] AHMED, Taushif - MANDAL, M. K. - RANA, Narayan - RAVINDRAN, V. Higgs rapidity distribution in $b\bar{b}$ annihilation at threshold in (NLO)-L-3 QCD. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 2, art. no. 131., Registrované v: WOS
52. [1.1] AHMED, Waqas - BI, Xiao-Jun - LI, Tianjun - NIU, Jia-Shu - RAZA, Shabbar - XIANG, Qian-Fei - YIN, Peng-Fei. Status of natural supersymmetry from the generalized minimal supergravity in light of the current LHC run-2 and LUX data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 015040., Registrované v: WOS
53. [1.1] AHRICHE, Amine - ARHRIB, Abdesslam - NASRI, Salah. Triple Higgs coupling as a probe of the twin-peak scenario. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 743, pp. 279-283., Registrované v: WOS
54. [1.1] AHRICHE, Amine - FAISEL, Gaber - HO, Shu-Yu - NASRI, Salah - TANDEAN, Jusak. Effects of two inert scalar doublets on Higgs boson interactions and the electroweak phase transition. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 035020., Registrované v: WOS
55. [1.1] AHRICHE, Amine - MCDONALD, Kristian L. - NASRI, Salah. Scalar sector phenomenology of three-loop radiative neutrino mass models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095020., Registrované v: WOS
56. [1.1] AHRICHE, A. - NASRI, S. Neutrino Masses, Dark Matter and Baryon Asymmetry of the Universe. In 1ST FRANCO-ALGERIAN WORKSHOP ON NEUTRINO PHYSICS. ISSN 1742-6588, 2015, vol. 593, art. no. 012010., Registrované v: WOS
57. [1.1] AIZAWA, Tasuku - IBE, Masahiro - KANETA, Kunio. Coupling unification and dark matter in a standard model extension with adjoint Majorana fermions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 7, art. no. 075012., Registrované v: WOS
58. [1.1] AI, Wen-Yuan - GARBRECHT, Bjoern - MILLINGTON, Peter. Radiative effects on false vacuum decay in Higgs-Yukawa theory. In PHYSICAL

- REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 076014.,
Registrowané v: WOS
59. [1.1] AJAIB, M. Adeel - DUTTA, Bhaskar - GHOSH, Tathagata -
GOGOLADZE, Ilia - SHAFI, Qaisar. Neutralinos and sleptons at the LHC in
light of muon $(g-2)(\mu)$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015,
vol. 92, no. 7, art. no. 075033., Registrowané v: WOS
60. [1.1] AJAIB, M. Adeel - GOGOLADZE, Ilia - SHAFI, Qaisar.
GUT-inspired supersymmetric model for $h \rightarrow \gamma \gamma$ and the muon $g-2$. In
PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. UNSP
095005., Registrowané v: WOS
61. [1.1] AKEROYD, A. G. - MORETTI, Stefano - YAGYU, Kei -
YILDIRIM, Emine. Light charged Higgs boson scenario in 3-Higgs doublet
models. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN
0217-751X, 2017, vol. 32, no. 23-24, art. no. 1750145., Registrowané v: WOS
62. [1.1] AKEROYD, A. G. - MORETTI, Stefano - SONG, Muyuan.
Light charged Higgs boson with dominant decay to quarks and its search at the
LHC and future colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018,
vol. 98, no. 11, art. no. 115024., Registrowané v: WOS
63. [1.1] ALAM, Sher - BEHERA, Subhasish - KUMAR, Satendra -
SAHOO, Shibananda. Constraining capability of $Z \gamma h$ production at the
ILC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN
0217-751X, 2017, vol. 32, no. 2-3, art. no. 1750017., Registrowané v: WOS
64. [1.1] ALANNE, Tommi - BIZOT, Nicolas - CACCIAPAGLIA,
Giacomo - SANNINO, Francesco. Classification of NLO operators for composite
Higgs models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no.
7, art. no. 075028., Registrowané v: WOS
65. [1.1] ALBARETI, Franco D. - MAROTO, Antonio L. - PRADA,
Francisco. Gravitational perturbations of the Higgs field. In PHYSICAL
REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 4, art. no. 044030.,
Registrowané v: WOS
66. [1.1] ALBERTI, Maurizio - IRGES, Nikos - KNECHTLI, Francesco -
MOIR, Graham. Five-dimensional Gauge-Higgs Unification: a Standard
Model-like Spectrum. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN
1029-8479, 2015, no. 9, art. no. 159., Registrowané v: WOS
67. [1.1] ALBERTO CASAS, J. - MORENO, Jesus M. - ROBLES,
Sandra - ROLBIECKI, Krzysztof - ZALDIVAR, Bryan. What is a natural SUSY
scenario? In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015,
no. 6, art. no. 070., Registrowané v: WOS
68. [1.1] ALEKHIN, Sergey et al. A facility to search for hidden particles
at the CERN SPS: the SHiP physics case. In REPORTS ON PROGRESS IN
PHYSICS. 2016, vol. 79, no. 12, art. no. 124201., Registrowané v: WOS
69. [1.1] ALESCI, Emanuele - BARRAU, Aurelien - BOTTA, Gioele -
MARTINEAU, Killian - STAGNO, Gabriele. Phenomenology of quantum
reduced loop gravity in the isotropic cosmological sector. In PHYSICAL
REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 10, art. no. 106022.,
Registrowané v: WOS
70. [1.1] ALEXAKHIN, V. CMS experiment: Physics overview. In
XVIII WORKSHOP ON HIGH ENERGY SPIN PHYSICS, DSPIN-2019. ISSN
1742-6588, 2020, vol. 1435., Registrowané v: WOS
71. [1.1] ALGERI, S. - VAN DYK, D. A. - CONRAD, J. - ANDERSON,

- B. On methods for correcting for the look-elsewhere effect in searches for new physics. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2016, vol. 11, art. no. P12010., Registrované v: WOS
72. [1.1] ALICI, E. - KOKSAL, M. Probing the anomalous tq gamma couplings through single top production at the future lepton-hadron colliders. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, NOV 30 2019, vol. 34, no. 36., Registrované v: WOS
73. [1.1] ALIEV, T. M. - BILMIS, S. - SOLMAZ, M. - TURAN, I. Scalar unparticle signals at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095005., Registrované v: WOS
74. [1.1] ALIOLI, Simone - CAOLA, Fabrizio - LUISONI, Gionata - ROENTSCH, Raoul. ZZ production in gluon fusion at NLO matched to parton shower. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034042., Registrované v: WOS
75. [1.1] ALIPOUR-FARD, S. - CRAIG, N. - JIANG, M.Y. - KOREN, S. Long live the Higgs factory: Higgs decays to long-lived particles at future lepton colliders. In CHINESE PHYSICS C. ISSN 1674-1137, MAY 2019, vol. 43, no. 5., Registrované v: WOS
76. [1.1] ALKOFR, R. - EICHHORN, A. - HELD, A. - NIETO, C.M. - PERCACCI, R. - SCHROFL, M. Quark masses and mixings in minimally parameterized UV completions of the Standard Model. In ANNALS OF PHYSICS. ISSN 0003-4916, OCT 2020, vol. 421., Registrované v: WOS
77. [1.1] ALLANACH, Ben - BADZIAK, Marcin - HUGONIE, Cyril - ZIEGLER, Robert. Light sparticles from a light singlet in gauge mediation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 1, art. no. 015006., Registrované v: WOS
78. [1.1] ALLANACH, Ben. Going Nowhere Fast After the success of the Standard Model, experiments have stopped answering to grand theories. Has the quest for top-down unification of physics stalled? In AMERICAN SCIENTIST. ISSN 0003-0996, 2018, vol. 106, no. 6, pp. 360-367., Registrované v: WOS
79. [1.1] ALLANACH, B. C. - BEDNYAKOV, A. - RUIZ DE AUSTRI, R. Higher order corrections and unification in the minimal supersymmetric standard model: SOFTSUSY3.5. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2015, vol. 189, pp. 192-206., Registrované v: WOS
80. [1.1] ALLANACH, B. C. - BHATIA, D. - IYER, Abhishek M. Dissecting multi-photon resonances at the large hadron collider. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 595., Registrované v: WOS
81. [1.1] ALLANACH, B. C. - IYER, A. M. - SRIDHAR, K. R-parity violation in a warped GUT scale Randall-Sundrum framework. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055046., Registrované v: WOS
82. [1.1] ALLANACH, B. C. - VOIGT, A. Uncertainties in the lightest CP even Higgs boson mass prediction in the minimal supersymmetric standard model: fixed order versus effective field theory prediction. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 7, art. no. 573., Registrované v: WOS
83. [1.1] ALLEN, Roland E. - LIDSTROM, Suzy. Life, the Universe, and

- everything-42 fundamental questions. In PHYSICA SCRIPTA. ISSN 0031-8949, 2017, vol. 92, no. 1, art. no. 012501., Registrované v: WOS
84. [1.1] ALLEN, Roland E. - SAHA, Aritra. Dark matter candidate with well-defined mass and couplings. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2017, vol. 32, no. 25, art. no. 1730022., Registrované v: WOS
85. [1.1] ALMARASHI, M. M. Discovery potential of the NMSSM CP-odd Higgs at the LHC. In RESULTS IN PHYSICS. ISSN 2211-3797, 2018, vol. 10, pp. 799-804., Registrované v: WOS
86. [1.1] ALMARASHI, M. M. Prospects of neutral Higgs boson decays in the NMSSM. In RESULTS IN PHYSICS. ISSN 2211-3797, 2018, vol. 9, pp. 534-540., Registrované v: WOS
87. [1.1] ALMARASHI, M. M. The second lightest CP-even Higgs boson signals in the NMSSM at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 10, art. no. 1850071., Registrované v: WOS
88. [1.1] ALMEIDA, E.D. - ALVES, A. - ROSA-AGOSTINHO, N. - EBOLI, O.J.P. - GONZALEZ-GARCIA, M.C. Electroweak sector under scrutiny: A combined analysis of LHC and electroweak precision data. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 6 2019, vol. 99, no. 3., Registrované v: WOS
89. [1.1] ALMEIDA, E.D. - ROSA-AGOSTINHO, N. - EBOLI, O.J.P. - GONZALEZ-GARCIA, M.C. Light-quark dipole operators at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 22 2019, vol. 100, no. 1., Registrované v: WOS
90. [1.1] ALNAHDI, R. F. - BARAKAT, T. - ALHENDI, H. A. Rare $\Lambda(b) \rightarrow \Lambda \ell^+ \ell^-$ decay in the two-Higgs doublet model of type III. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2017, no. 7, art. no. 073B04., Registrované v: WOS
91. [1.1] ALTENKAMP, Lukas - BOGGIA, Michele - DITTMAIER, Stefan. Precision calculations for $h \rightarrow WW/ZZ \rightarrow 4$ fermions in a singlet extension of the Standard Model with PROPHECY4F. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 4, art. no. 062., Registrované v: WOS
92. [1.1] ALTENKAMP, Lukas - DITTMAIER, Stefan - RZEHAK, Heidi. Renormalization schemes for the Two-Higgs-Doublet Model and applications to $h \rightarrow WW/ZZ \rightarrow 4$ fermions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 9, art. no. 134., Registrované v: WOS
93. [1.1] ALTENKAMP, Lukas - DITTMAIER, Stefan - RZEHAK, Heidi. Precision calculations for $h \rightarrow WW/ZZ \rightarrow 4$ fermions in the Two-Higgs-Doublet Model with Prophecy4f. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 110., Registrované v: WOS
94. [1.1] ALTE, Stefan - KOENING, Matthias - NEUBERT, Matthias. Exclusive weak radiative Higgs decays in the standard model and beyond. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 12, art. no. 037., Registrované v: WOS
95. [1.1] ALTIN, Zafer - OZDAL, Ozer - UN, Cem Salih. Muon $g-2$ in an alternative quasi-Yukawa unification with a less fine-tuned seesaw mechanism. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055007., Registrované v: WOS
96. [1.1] ALTMANNSHOFER, Wolfgang - GORI, Stefania - KAGAN, Alexander L. - SILVESTRINI, Luca - ZUPAN, Jure. Uncovering mass

- generation through Higgs flavor violation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 031301., Registrované v: WOS
97. [1.1] ALTUNKAYNAK, Baris - HOU, Wei-Shu - AO, Chung - KOHDA, Masaya - MCCOY, Brent. Flavor changing heavy Higgs interactions at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 751, pp. 135-142., Registrované v: WOS
98. [1.1] ALTUNKAYNAK, Baris - BAER, Howard - BARGER, Vernon - HUANG, Peisi. Distinguishing LSP archetypes via gluino pair production at LHC13. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 035015., Registrované v: WOS
99. [1.1] ALVARADO, C. - DELGADO, A. - MARTIN, A. - OSTDIEK, B. Dirac triplet extension of the MSSM. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 035009., Registrované v: WOS
100. [1.1] ALVARADO, J.S. - DIAZ, C.E. - MARTINEZ, R. Nonuniversal U(1)(x) extension to the MSSM with three families. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 26 2019, vol. 100, no. 5., Registrované v: WOS
101. [1.1] ALVAREZ, E. - SZEWC, M. Nonresonant leptoquark with multigeneration couplings for $\mu\mu jj$ and $\mu\nu jj$ at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 9 2019, vol. 99, no. 9., Registrované v: WOS
102. [1.1] ALVAREZ, M. - ORJUELA-QUINTANA, J.B. - RODRIGUEZI, Y. - VALENZUELA-TOLEDO, C.A. Einstein Yang-Mills Higgs dark energy revisited. In CLASSICAL AND QUANTUM GRAVITY. ISSN 0264-9381, OCT 10 2019, vol. 36, no. 19., Registrované v: WOS
103. [1.1] ALVES, Alexandre - CAMARGO, Daniel A. - DIAS, Alex G. Heavy Higgs boson coupled to vectorlike quarks: Strong CP problem and search prospects at the 14 TeV LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015027., Registrované v: WOS
104. [1.1] ALVES, Alexandre - DIAS, Alex G. - DA SILVA, Roberto. Maximum Entropy Principle and the Higgs boson mass. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2015, vol. 420, pp. 1-7., Registrované v: WOS
105. [1.1] ALVES, Alexandre - ROSA AGOSTINHO, N. - EBOLI, Oscar J. P. - GONZALEZ-GARCIA, M. C. Effect of fermionic operators on the gauge legacy of the LHC Run I. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 013006., Registrované v: WOS
106. [1.1] ALVES, A. - GHOSH, T. - QUEIROZ, F.S. Dark and bright signatures of di-Higgs boson production. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 26 2019, vol. 100, no. 3., Registrované v: WOS
107. [1.1] ALVES, Joao M. - BOTELLA, Francisco J. - BRANCO, Gustavo C. - CORNET-GOMEZ, Fernando - NEBOT, Miguel. Controlled flavour changing neutral couplings in two Higgs Doublet models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 585., Registrované v: WOS
108. [1.1] ANABALON, Andres - ASTEFANESEI, Dumitru - MARTINEZ, Cristian. Mass of asymptotically anti-de Sitter hairy spacetimes. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 4, art. no. 041501., Registrované v: WOS
109. [1.1] ANACLETO, M. A. - BRITO, F. A. - PASSOS, E. Gravitational

Aharonov-Bohm effect due to noncommutative BTZ black hole. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 743, pp. 184-188., Registrované v: WOS

110. [1.1] ANAND, Sampurn - CHOUDHURY, Debajyoti - SEN, Anjan A. - SENGUPTA, Soumitra. Geometric approach to modulus stabilization. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 2, art. no. 026008., Registrované v: WOS

111. [1.1] ANANTHANARAYAN, B. - LAHIRI, Jayita - PANDITA, P. N. Invisible decays of the heavier Higgs boson in the minimal supersymmetric standard model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 11, art. no. 115025., Registrované v: WOS

112. [1.1] ANASTASIOU, Charalampos - DUHR, Claude - DULAT, Falko - FURLAN, Elisabetta - GEHRMANN, Thomas - HERZOG, Franz - LAZOPOULOS, Achilleas - MISTLBERGER, Bernhard. High precision determination of the gluon fusion Higgs boson cross-section at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 058., Registrované v: WOS

113. [1.1] ANASTASIOU, Charalampos - DUHR, Claude - DULAT, Falko - FURLAN, Elisabetta - HERZOG, Franz - MISTLBERGER, Bernhard. Soft expansion of double-real-virtual corrections to Higgs production at (NLO)-L-3. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 8, art. no. 051., Registrované v: WOS

114. [1.1] ANASTASIOU, Charalampos - DUHR, Claude - DULAT, Falko - HERZOG, Franz - MISTLBERGER, Bernhard. Higgs Boson Gluon-Fusion Production in QCD at Three Loops. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 21, art. no. 212001., Registrované v: WOS

115. [1.1] ANASTASIOU, Charalampos - DUHR, Claude - DULAT, Falko - FURLAN, Elisabetta - GEHRMANN, Thomas - HERZOG, Franz - MISTLBERGER, Bernhard. Higgs boson gluon-fusion production beyond threshold in (NLO)-L-3 QCD. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 3, art. no. 091., Registrované v: WOS

116. [1.1] ANASTASIOU, Charalampos - DUHR, Claude - DULAT, Falko - FURLAN, Elisabetta - GEHRMANN, Thomas - HERZOG, Franz - LAZOPOULOS, Achilleas - MISTLBERGER, Bernhard. CP-even scalar boson production via gluon fusion at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 9, art. no. 037., Registrované v: WOS

117. [1.1] ANDERSEN, Jeppe R. - HAPOLA, Tuomas - MAIER, Andreas - SMILLIE, Jennifer M. Higgs boson plus dijets: higher order corrections. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 9, art. no. 065., Registrované v: WOS

118. [1.1] ANDERSON, E. Problem of Time: Quantum Mechanics Versus General Relativity. In PROBLEM OF TIME: QUANTUM MECHANICS VERSUS GENERAL RELATIVITY. ISSN 0168-1222, 2017, vol. 190, pp. 1-920., Registrované v: WOS

119. [1.1] ANDO, Shin'ichiro - ISHIWATA, Koji. Constraints on decaying dark matter from the extragalactic gamma-ray background. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2015, no. 5, art. no. 024., Registrované v: WOS

120. [1.1] ANDO, Shin'ichiro - ISHIWATA, Koji. Constraining particle

dark matter using local galaxy distribution. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2016, no. 6, art. no. 045., Registrované v: WOS

121. [1.1] ANDRES, Eduardo C. - DA ROLD, Leandro - DAVIDOVICH, Ivan A. Beautiful mirrors for a pNGB Higgs. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 152., Registrované v: WOS

122. [1.1] ANGELESCU, A. - HUANG, P. Multistep strongly first order phase transitions from new fermions at the TeV scale. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 19 2019, vol. 99, no. 5., Registrované v: WOS

123. [1.1] ANTIPIN, Oleg - CULJAK, Petar - KUMERICKI, Kresimir - PICEK, Ivica. Extended Higgs sectors in radiative neutrino models. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 768, pp. 330-336., Registrované v: WOS

124. [1.1] ANTOLA, Matti - DI CHIARA, Stefano - TUOMINEN, Kimmo. Ultraviolet complete technicolor and Higgs physics at LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 899, pp. 55-77., Registrované v: WOS

125. [1.1] ANTUSCH, Stefan - CAZZATO, Eros - FISCHER, Oliver. Sterile neutrino searches at future $e(-)e(+)$, pp and $e(-)p$ colliders. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 14, art. no. 1750078., Registrované v: WOS

126. [1.1] ANTUSCH, Stefan - SLUKA, Constantin. Predicting the sparticle spectrum from GUTs via SUSY threshold corrections with SusyTC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art. no. 108., Registrované v: WOS

127. [1.1] ANZAI, Chihaya - HASSELHUHN, Alexander - HOESCHELE, Maik - HOFF, Jens - KILGORE, William - STEINHAUSER, Matthias - UEDA, Takahiro. Exact (NLO)-L-3 results for $qq \rightarrow H$ plus X. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 7, art. no. 140., Registrované v: WOS

128. [1.1] AN, Haipeng - WANG, Lian-Tao. Opening Up the Compressed Region of Top Squark Searches at 13 TeV LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 18, art. no. 181602., Registrované v: WOS

129. [1.1] AN, Zhong-Yuan - YUE, Chong-Xing - LIU, Zhi-Cheng. Axion-Like Particles and the Higgs Decays $h \rightarrow PZ$ and $h \rightarrow Pl^{+}l^{-}$. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2018, vol. 35, no. 6, art. no. 061401., Registrované v: WOS

130. [1.1] APOLLINARI, Giorgio - PRESTEMON, Soren - ZLOBIN, Alexander V. Progress with High-Field Superconducting Magnets for High-Energy Colliders. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 65. ISSN 0163-8998, 2015, vol. 65, pp. 355-377., Registrované v: WOS

131. [1.1] APPELQUIST, Thomas - INGOLDBY, James - PIAI, Maurizio. Analysis of a dilaton EFT for lattice data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 039., Registrované v: WOS

132. [1.1] APPELQUIST, T. - BROWER, R.C. - FLEMING, G.T. - GASBARRO, A. - HASENFRATZ, A. - JIN, X.Y. - NEIL, E.T. - OSBORN, J.C. - REBBI, C. - RINALDI, E. - SCHAICH, D. - VRANAS, P. - WEINBERG, E. - WITZEL, O. Nonperturbative investigations of SU(3) gauge theory with eight

- dynamical flavors. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 15 2019, vol. 99, no. 1., Registrované v: WOS
133. [1.1] ARAKI, Takeshi - HOSHINO, Shihori - OTA, Toshihiko - SATO, Joe - SHIMOMURA, Takashi. Detecting the L-mu- L-tau gauge boson at Belle II. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055006., Registrované v: WOS
134. [1.1] ARANDA, Alfredo - JIMENEZ, Enrique - VAQUERA-ARAUJO, Carlos A. Electroweak phase transition in a model with gauged lepton number. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 1, art. no. 070., Registrované v: WOS
135. [1.1] ARANDA, J. I. - CORTES-MALDONADO, I. - MONTEJO-MONTEJO, S. - RAMIREZ-ZAVALA, F. - TUTUTI, E. S. Heavy neutral scalar decays into electroweak gauge bosons in the littlest Higgs model. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 4, art. no. 045002., Registrované v: WOS
136. [1.1] ARANDA, J. I. - CRUZ-ALBARO, E. - ESPINOSA-GOMEZ, D. - MONTANO, J. - RAMIREZ-ZAVALA, F. - TUTUTI, E. S. Heavy neutral pseudoscalar decays into gauge bosons in the Littlest Higgs model. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 10, art. no. 105002., Registrované v: WOS
137. [1.1] ARANDA, J. I. - CRUZ-ALBARO, E. - RAMIREZ-ZAVALA, F. - MONTANO, J. - TUTUTI, E. S. Decays $\Phi(P) \rightarrow \gamma Z, ZZ$ in the context of the Littlest Higgs Model. In 31ST ANNUAL MEETING OF THE DIVISION OF PARTICLES AND FIELDS (DPYC) OF THE MEXICAN PHYSICAL SOCIETY. ISSN 1742-6588, 2017, vol. 912, art. no. 012041., Registrované v: WOS
138. [1.1] ARANDA, J. I. - CRUZ-ALBARO, E. - ESPINOSA-GOMEZ, D. - MONTANO, J. - RAMIREZ-ZAVALA, F. - TUTUTI, E. S. Decay of a pseudoscalar into two photons. In 31ST ANNUAL MEETING OF THE DIVISION OF PARTICLES AND FIELDS (DPYC) OF THE MEXICAN PHYSICAL SOCIETY. ISSN 1742-6588, 2017, vol. 912, art. no. 012040., Registrované v: WOS
139. [1.1] ARASH, Firooz. Polarization Test of Higgs Spin and Parity. In DIFFRACTION 2014: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2015, vol. 1654, art. no. 090004., Registrované v: WOS
140. [1.1] ARAZ, Jack Y. - FRANK, Mariana - FUKS, Benjamin. Differentiating U(1) supersymmetric models with right sneutrino and neutralino dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015017., Registrované v: WOS
141. [1.1] ARBELAEZ, Carolina - CARCAMO HERNANDEZ, A. E. - KOVALENKO, Sergey - SCHMIDT, Ivan. Adjoint SU(5) GUT model with T-7 flavor symmetry. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 115015., Registrované v: WOS
142. [1.1] ARBEY, Alexandre - BATTAGLIA, Marco - COVI, Laura - HASENKAMP, Jasper - MAHMOUDI, Farvah. LHC constraints on gravitino dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 115008., Registrované v: WOS
143. [1.1] ARBEY, Alexandre - FICHET, Sylvain - MAHMOUDI, Farvah - MOREAU, Gregory. The correlation matrix of Higgs rates at the LHC. In

- JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 11, art. no. 097., Registrované v: WOS
144. [1.1] ARBEY, A. - BATTAGLIA, M. - MAHMOUDI, F. Higgs production in neutralino decays in the MSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 3, art. no. 108., Registrované v: WOS
145. [1.1] ARBEY, A. - BOUDAUD, M. - MAHMOUDI, F. - ROBBINS, G. Robustness of dark matter constraints and interplay with collider searches for New Physics. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 11, art. no. 132., Registrované v: WOS
146. [1.1] ARBEY, A. - MAHMOUDI, F. - STAL, O. - STEFANIAK, T. Status of the charged Higgs boson in two Higgs doublet models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 182., Registrované v: WOS
147. [1.1] ARGANDA, Ernesto - MARTIN-LOZANO, Victor - MEDINA, Anibal D. - MILEO, Nicolas I. Potential discovery of staus through heavy Higgs boson decays at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 056., Registrované v: WOS
148. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. - MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of heavy Higgs bosons decaying invisibly at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS
149. [1.1] ARGANDA, E. - GUASCH, J. - HOLLIK, W. - PENARANDA, S. Discriminating between SUSY and non-SUSY Higgs sectors through the ratio $H \rightarrow b\bar{b}/H \rightarrow \tau^+\tau^-$ with a 125 GeV Higgs boson. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 286., Registrované v: WOS
150. [1.1] ARGANDA, E. - HERRERO, M. J. - MORALES, R. - SZYNKMAN, A. Analysis of the $h, H, A \rightarrow \tau\mu$ decays induced from SUSY loops within the Mass Insertion Approximation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 055., Registrované v: WOS
151. [1.1] ARGANDA, E. - HERRERO, M. J. - MARCANO, X. - WEILAND, C. Enhancement of the lepton flavor violating Higgs boson decay rates from SUSY loops in the inverse seesaw model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055010., Registrované v: WOS
152. [1.1] ARGANDA, E. - HERRERO, M. J. - MARCANO, X. - WEILAND, C. Imprints of massive inverse seesaw model neutrinos in lepton flavor violating Higgs boson decays. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 015001., Registrované v: WOS
153. [1.1] ARGANDA, E. - MARCANO, X. - MILEO, N.I. - MORALES, R.A. - SZYNKMAN, A. Model-independent search strategy for the lepton-flavor-violating heavy Higgs boson decay to $\tau\mu$ at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 2019, vol. 79, no. 9., Registrované v: WOS
154. [1.1] ARHRIB, Abdesslam - BENBRIK, Rachid - EL FALAKI, Jaouad - JUEID, Adil. Radiative corrections to the triple Higgs coupling in the inert Higgs doublet model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 12, art. no. 007., Registrované v: WOS
155. [1.1] ARHRIB, Abdesslam - CHEUNG, Kingman - LEE, Jae Sik -

- LU, Chih-Ting. Enhanced charged Higgs production through W-Higgs fusion in W-b scattering. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 093., Registrované v: WOS
156. [1.1] ARHRIB, Abdesslam - BOEHM, Celine - MA, Ernest - YUAN, Tzu-Chiang. Radiative model of neutrino mass with neutrino interacting MeV dark matter. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2016, no. 4, art. no. 049., Registrované v: WOS
157. [1.1] ARHRIB, Abdesslam - BENBRIK, Rachid - ENBERG, Rikard - KLEMM, William - MORETTI, Stefano - MUNIR, Shoaib. Identifying a light charged Higgs boson at the LHC Run II. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 774, pp. 591-598., Registrované v: WOS
158. [1.1] ARHRIB, Abdesslam - BENBRIK, Rachid - MORETTI, Stefano - SANTOS, Rui - SHARMA, Pankaj. Signal to background interference in $pp \rightarrow t\bar{t} \rightarrow t\bar{t} W(\gamma) b\bar{b}$ at the LHC Run II. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075037., Registrované v: WOS
159. [1.1] ARHRIB, A. - BENBRIK, R. - EL FALAKI, J. - HOLLIK, W. Triple Higgs coupling effect on $h(0) \rightarrow b\bar{b}$ and $h(0) \rightarrow \tau^+\tau^-$ in the 2HDM. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 774, pp. 195-204., Registrované v: WOS
160. [1.1] ARHRIB, A. - BENBRIK, R. - MORETTI, S. Bosonic decays of charged Higgs bosons in a 2HDM type-I. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 621., Registrované v: WOS
161. [1.1] ARHRIB, A. - BENBRIK, R. - KING, S. J. D. - MANAUT, B. - MORETTI, S. - UN, C. S. Phenomenology of 2HDM with vectorlike quarks. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095015., Registrované v: WOS
162. [1.1] ARHRIB, A. - BENBRIK, R. - EL FALAKI, J. - SAMPAIO, M. - SANTOS, R. Pseudoscalar decays to gauge bosons at the LHC and at a future 100 TeV collider. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 27 2019, vol. 99, no. 3., Registrované v: WOS
163. [1.1] ARHRIB, A. - BENBRIK, R. - HAROUIZ, H. - MORETTI, S. - WANG, Y. - YAN, Q.S. Implications of a light charged Higgs boson at the LHC run III in the 2HDM. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 30 2020, vol. 102, no. 11., Registrované v: WOS
164. [1.1] ARINA, Chiara - CATALAN, Maria Eugenia Cabrera - KRAML, Sabine - KULKARNI, Suchita - LAA, Ursula. Constraints on sneutrino dark matter from LHC Run 1. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, vol., no. 5, art. no. 142., Registrované v: WOS
165. [1.1] ARINA, Chiara - CHALA, Mikael - MARTIN-LOZANO, Victor - NARDINI, Germano. Confronting SUSY models with LHC data via electroweakino production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 12, art. no. 149., Registrované v: WOS
166. [1.1] ARKANI-HAMED, Nima - HAN, Tao - MANGANO, Michelangelo - WANG, Lian-Tao. Physics opportunities of a 100 TeV proton-proton collider. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2016, vol. 652, pp. 1-49., Registrované v: WOS
167. [1.1] ARNOTT, R. - HARVEY, C.R. - KALESNIK, V. - LINNAINMAA, J. Alice's Adventures in Factorland: Three Blunders That

- Plague Factor Investing. In JOURNAL OF PORTFOLIO MANAGEMENT. ISSN 0095-4918, APR 2019, vol. 45, no. 4, p. 18-36., Registrované v: WOS
168. [1.1] ARROYO-URENA, M. A. - DIAZ-CRUZ, J. L. - TAVARES-VELASCO, G. - BOLANOS, A. - HERNANDEZ-TOME, G. Searching for lepton flavor violating flavon decays at hadron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 015008., Registrované v: WOS
169. [1.1] ARROYO-URENA, M. A. - HERNANDEZ-TOME, G. - TAVARES-VELASCO, G. WWV ($V = \gamma, Z$) vertex in the Georgi-Machacek model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 095006., Registrované v: WOS
170. [1.1] ARTYMOWSKI, Michal - LEWICKI, Marek - WELLS, James D. Gravitational wave and collider implications of electroweak baryogenesis aided by non-standard cosmology. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 066., Registrované v: WOS
171. [1.1] ARUNPRASATH, V. - GODBOLE, Rohini M. - SINGH, Ritesh K. Polarization of a top quark produced in the decay of a gluino or a stop in an arbitrary frame. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 076012., Registrované v: WOS
172. [1.1] ARUN, Mathew Thomas - CHOUDHURY, Debajyoti. Bulk gauge and matter fields in nested warping: I. The formalism. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art. no. 202., Registrované v: WOS
173. [1.1] ARUN, Mathew Thomas - CHOUDHURY, Debajyoti - DAS, Ashmita - SENGUPTA, Soumitra. Graviton modes in multiply warped geometry. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 746, pp. 266-275., Registrované v: WOS
174. [1.1] ARUN, M.T. - CHOUDHURY, D. - SACHDEVA, D. Living orthogonally: quasi-universal extra dimensions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 31 2019, no. 1., Registrované v: WOS
175. [1.1] ASHFAQUE, Johar M. - ATHANASOPOULOS, Panos - FARAGGI, Alon E. - SONMEZ, Hasan. Non-tachyonic semi-realistic non-supersymmetric heterotic-string vacua. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, art. no. 208., Registrované v: WOS
176. [1.1] ASHFAQUE, J. - DELLE ROSE, L. - FARAGGI, A. E. - MARZO, C. LHC di-photon excess and gauge coupling unification in extra Z' heterotic-string derived models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 10, art. no. 570., Registrované v: WOS
177. [1.1] ASTAPOV, K. O. - DEMIDOV, S. V. Sgoldstino-Higgs mixing in models with low-scale supersymmetry breaking. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 1, art. no. 136., Registrované v: WOS
178. [1.1] ASTILL, William - BIZON, Wojciech - RE, Emanuele - ZANDERIGHI, Giulia. NNLOPS accurate associated HZ production with $H \rightarrow b\bar{b}$ decay at NLO. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 157., Registrované v: WOS
179. [1.1] ASTILL, William - BIZON, Wojciech - RE, Emanuele - ZANDERIGHI, Giulia. NNLOPS accurate associated HW production. In

- JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 6, art. no. 154., Registrované v: WOS
180. [1.1] ATHENODOROU, Andreas - BENNETT, Ed - BERGNER, Georg - LUCINI, Biagio. Infrared regime of SU(2) with one adjoint Dirac flavor. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 114508., Registrované v: WOS
181. [1.1] ATHENODOROU, Andreas - BENNETT, Ed - BERGNER, Georg - ELANDER, Daniel - LIN, C.J. David - LUCINI, Biagio - PIAI, Maurizio. Large mass hierarchies from strongly-coupled dynamics. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 6, art. no. 114., Registrované v: WOS
182. [1.1] ATHRON, Peter - BALAZS, Csaba - FARMER, Benjamin - FOWLIE, Andrew - HARRIES, Dylan - KIM, Doyoun. Bayesian analysis and naturalness of (Next-to-)Minimal Supersymmetric Models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 10, art. no. 160., Registrované v: WOS
183. [1.1] ATHRON, Peter - HARRIES, Dylan - NEVZOROV, Roman - WILLIAMS, Anthony G. E-6 inspired SUSY benchmarks, dark matter relic density and a 125 GeV Higgs. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 760, pp. 19-25., Registrované v: WOS
184. [1.1] ATHRON, Peter - PARK, Jae-Hyeon - STEUDTNER, Tom - STOECKINGER, Dominik - VOIGT, Alexander. Precise Higgs mass calculations in (non-)minimal supersymmetry at both high and low scales. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 1, art. no. 079., Registrované v: WOS
185. [1.1] ATHRON, P. - HARRIES, D. - WILLIAMS, A. G. Z' mass limits and the naturalness of supersymmetry. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 115024., Registrované v: WOS
186. [1.1] ATKIN, Ryan Justin. A Characterisation of the ATLAS ITk High Rapidity Modules in AllPix and EUTelescope. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP 2017. ISSN 1742-6588, 2017, vol. 889, art. no. 012017., Registrované v: WOS
187. [1.1] AVETISSIAN, A. K. On the Fundamental Cosmological Scales in Matter Era. In GRAVITATION & COSMOLOGY. ISSN 0202-2893, 2018, vol. 24, no. 4, pp. 375-377., Registrované v: WOS
188. [1.1] AYAZI, Seyed Yaser - MOHAMADNEJAD, Ahmad - ZAKERI, S. Peyman. Search for vector-like quarks in a fermionic dark matter model with pseudoscalar: A resonance case. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2018, vol. 33, no. 27, art. no. 1850159., Registrované v: WOS
189. [1.1] AYDEMIR, Ufuk - MANDAL, Tanumoy. LHC Probes of TeV-Scale Scalars in SO(10) Grand Unification. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, art. no. 7498795., Registrované v: WOS
190. [1.1] AYDEMIR, Ufuk - MINIC, Djordje - SUN, Chen - TAKEUCHI, Tatsu. Higgs mass, superconnections, and the TeV-scale left-right symmetric model. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 4, art. no. 045020., Registrované v: WOS
191. [1.1] AYDEMIR, Ufuk. SO(10) grand unification in light of recent LHC searches and colored scalars at the TeV-scale. In INTERNATIONAL

- JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 8, art. no. 1650034., Registrované v: WOS
192. [1.1] AYON-BEATO, Eloy - HASSAINE, Mokhtar - MENDEZ-ZAVALA, Julio A. (Super-)renormalizably dressed black holes. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 2, art. no. 024048., Registrované v: WOS
193. [1.1] AZATOV, Aleksandr - CHOWDHURY, Debtosh - GHOSH, Diptimoy - RAY, Tirtha Sankar. Same sign di-lepton candles of the composite gluons. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 8, art. no. 140., Registrované v: WOS
194. [1.1] AZATOV, Aleksandr - CONTINO, Roberto - PANICO, Giuliano - SON, Minho. Effective field theory analysis of double Higgs boson production via gluon fusion. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 035001., Registrované v: WOS
195. [1.1] AZATOV, A. - ELIAS-MIRO, J. - REYIMUAI, Y. - VENTURINI, E. Novel measurements of anomalous triple gauge couplings for the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 10, art. no. 027., Registrované v: WOS
196. [1.1] AZATOV, A. - GROJEAN, C. - PAUL, A. - SALVIONI, E. Taming the off-shell Higgs boson. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2015, vol. 120, no. 3, pp. 354-368., Registrované v: WOS
197. [1.1] AZEVEDO, Duarte - FERREIRA, Pedro M. - MUHLLEITNER, M. Margarete - PATEL, Shruti - SANTOS, Rui - WITTBRODT, Jonas. CP in the dark. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 091., Registrované v: WOS
198. [1.1] AZIZI, K. - OLGUN, A. T. - TAVUKOGLU, Z. Comparative analysis of the $\Lambda(b) \rightarrow \Lambda \ell^+ \ell^-$ decay in the SM, SUSY, and RS model with custodial protection. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 115025., Registrované v: WOS
199. [1.1] BABU, Kaladi S. - SCHMITZ, Kai - YANAGIDA, Tsutomu T. Pure gravity mediation and spontaneous B-L breaking from strong dynamics. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 905, pp. 73-95., Registrované v: WOS
200. [1.1] BABU, K. S. - KHAN, S. Minimal nonsupersymmetric SO(10) model: Gauge coupling unification, proton decay, and fermion masses. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 075018., Registrované v: WOS
201. [1.1] BABU, K.S. - JANA, S. Enhanced di-Higgs production in the two Higgs doublet model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 28 2019, no. 2., Registrované v: WOS
202. [1.1] BACKOVIC, Mihailo - FLACKE, Thomas - KIM, Jeong Han - LEE, Seung J. Boosted event topologies from TeV scale light quark composite partners. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 082., Registrované v: WOS
203. [1.1] BADZIAK, Marcin - OLECHOWSKI, Marek - SZCZERBIAK, Pawel. Blind spots for neutralino dark matter in the NMSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 179., Registrované v: WOS
204. [1.1] BADZIAK, Marcin - WAGNER, Carlos E. M. Enhanced Higgs

associated production with a top quark pair in the NMSSM with light singlets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 2, art. no. 050., Registrované v: WOS

205. [1.1] BADZIAK, Marcin - WAGNER, Carlos E. M. Enhancing the Higgs associated production with a top quark pair. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 123., Registrované v: WOS

206. [1.1] BAEK, Seungwon - KO, Pyungwon - WU, Peiwen. Top-philic scalar Dark Matter with a vector-like fermionic top partner. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 10, art. no. 117., Registrované v: WOS

207. [1.1] BAEK, Seungwon - NOMURA, Takaaki - OKADA, Hiroshi. An explanation of one-loop induced $h \rightarrow \mu \tau$ decay. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 759, pp. 91-98., Registrované v: WOS

208. [1.1] BAEK, Seungwon - OKADA, Hiroshi - YAGYU, Kei. Flavour dependent gauged radiative neutrino mass model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 049., Registrované v: WOS

209. [1.1] BAEK, Seungwon - YUAN, Xing-Bo. Is there new particle running in the loop-induced $H \rightarrow \gamma \gamma$ and $H \rightarrow gg$ vertex? In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 774, pp. 662-666., Registrované v: WOS

210. [1.1] BAER, Howard - BARGER, Vernon - SAVOY, Michael. Generalized focus point and mass spectra comparison of highly natural SUGRA GUT models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075001., Registrované v: WOS

211. [1.1] BAER, Howard - BARGER, Vernon - SAVOY, Michael. Upper bounds on sparticle masses from naturalness or how to disprove weak scale supersymmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 035016., Registrované v: WOS

212. [1.1] BAER, Howard - BARGER, Vernon - GAINER, James S. - SERCE, Hasan - TATA, Xerxes. Reach of the high-energy LHC for gluinos and top squarks in SUSY models with light Higgsinos. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 115008., Registrované v: WOS

213. [1.1] BAER, Howard - BARGER, Vernon - GAINER, James S. - HUANG, Peisi - SAVOY, Michael - SERCE, Hasan - TATA, Xerxes. What hadron collider is required to discover or falsify natural supersymmetry? In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 774, no., pp. 451-455., Registrované v: WOS

214. [1.1] BAER, Howard - BARGER, Vernon - GAINER, James S. - HUANG, Peisi - SAVOY, Michael - SENGUPTA, Dibyashree - TATA, Xerxes. Gluino reach and mass extraction at the LHC in radiatively-driven natural SUSY. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 7, art. no. 499., Registrované v: WOS

215. [1.1] BAER, Howard - BARGER, Vernon - SAVOY, Michael - SERCE, Hasan - TATA, Xerxes. Superparticle phenomenology from the natural mini-landscape. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 6, art. no. 101., Registrované v: WOS

216. [1.1] BAER, Howard - BARGER, Vernon - NAGATA, Natsumi - MICHAEL, Savoy. Phenomenological profile of top squarks from natural

supersymmetry at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055012., Registrované v: WOS

217. [1.1] BAER, Howard - BARGER, Vernon - GAINER, James S. - SENGUPTA, Dibyashree - SERCE, Hasan - TATA, Xerxes. LHC luminosity and energy upgrades confront natural supersymmetry models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075010., Registrované v: WOS

218. [1.1] BAER, Howard - BARGER, Vernon - SAVOY, Mike. Supergravity gauge theories strike back: there is no crisis for SUSY but a new collider may be required for discovery. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 6, art. no. 068003., Registrované v: WOS

219. [1.1] BAER, Howard - BARGER, Vernon - HUANG, Peisi - MICKELSON, Dan - PADEFFKE-KIRKLAND, Maren - TATA, Xerxes. Natural SUSY with a bino- or wino-like LSP. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 7, art. no. 075005., Registrované v: WOS

220. [1.1] BAER, Howard - BARGER, Vernon - SAVOY, Michael - TATA, Xerxes. Multichannel assault on natural supersymmetry at the high luminosity LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035025., Registrované v: WOS

221. [1.1] BAER, Howard - CHOI, Ki-Young - KIM, Jihn E. - ROSZKOWSKI, Leszek. Dark matter production in the early Universe: Beyond the thermal WIMP paradigm. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2015, vol. 555, pp. 1-60., Registrované v: WOS

222. [1.1] BAER, H. - BARGER, V. - SENGUPTA, D. - SALAM, S. - SINHA, K. Status of weak scale supersymmetry after LHC Run 2 and ton-scale noble liquid WIMP searches. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 21, SI, p. 3085-3141., Registrované v: WOS

223. [1.1] BAE, Kyu Jung - BAER, Howard - SERCE, Hasan. Prospects for axion detection in natural SUSY with mixed axion-higgsino dark matter: back to invisible? In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2017, no. 6, art. no. 024., Registrované v: WOS

224. [1.1] BAE, Kyu Jung - BAER, Howard - NAGATA, Natsumi - SERCE, Hasan. Prospects for Higgs coupling measurements in SUSY with radiatively-driven naturalness. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 3, art. no. 035006., Registrované v: WOS

225. [1.1] BAE, Kyu Jung - BAER, Howard - BARGER, Vernon - SAVOY, Michael R. - SERCE, Hasan. Supersymmetry with Radiatively-Driven Naturalness: Implications for WIMP and Axion Searches. In SYMMETRY-BASEL. ISSN 2073-8994, 2015, vol. 7, no. 2, pp. 788-814., Registrované v: WOS

226. [1.1] BAE, Kyu Jung - BAER, Howard - SERCE, Hasan. Natural little hierarchy for SUSY from radiative breaking of the Peccei-Quinn symmetry. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 015003., Registrované v: WOS

227. [1.1] BAGLIO, Julien - DJOUADI, Abdelhak - QUEVILLON, Jeremie. Prospects for Higgs physics at energies up to 100 TeV. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2016, vol. 79, no. 11, art. no. 116201., Registrované v: WOS

228. [1.1] BAGLIO, Julien - JAEGER, Barbara - KESENHEIMER, Matthias. Precise predictions for electroweakino-pair production in association with a jet at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 055., Registrované v: WOS
229. [1.1] BAGLIO, Julien - JAEGER, Barbara - KESENHEIMER, Matthias. Electroweakino pair production at the LHC: NLO SUSY-QCD corrections and parton-shower effects. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art. no. 083., Registrované v: WOS
230. [1.1] BAGLIO, Julien - WEILAND, Cedric. The triple Higgs coupling: a new probe of low-scale seesaw models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, art. no. 038., Registrované v: WOS
231. [1.1] BAGLIO, Julien. Gluon fusion and $b(b)$ -over-bar corrections to $HW+W-/HZZ$ production in the POWHEG-BOX. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 764, pp. 54-59., Registrované v: WOS
232. [1.1] BAGLIO, Julien. Next-to-leading order QCD corrections to associated production of a SM Higgs boson with a pair of weak bosons in the POWHEG-BOX. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 054010., Registrované v: WOS
233. [1.1] BAGLIO, J. - KRAUSS, C. O. - MUEHLLEITNER, M. - WALZ, K. Next-to-leading order NMSSM decays with CP-odd Higgs bosons and stops. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 10, art. no. 024., Registrované v: WOS
234. [1.1] BAGLIO, J. - PASCOLI, S. - WEILAND, C. $W+W-H$ production at lepton colliders: a new hope for heavy neutral leptons. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 10, art. no. 795., Registrované v: WOS
235. [1.1] BAGLIO, J. - WEILAND, C. Heavy neutrino impact on the triple Higgs coupling. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 013002., Registrované v: WOS
236. [1.1] BAGNASCHI, Emanuele - VEGA, Javier Pardo - SLAVICH, Pietro. Improved determination of the Higgs mass in the MSSM with heavy superpartners. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 5, art. no. 334., Registrované v: WOS
237. [1.1] BAGNASCHI, E. - BAHL, H. - ELLIS, J. - EVANS, J.L. - HAHN, T. - HEINEMEYER, S. - HOLLIK, W. - OLIVE, K.A. - PASSEHR, S. - RZEHA, H. - SOBOLEV, I.V. - WEIGLEIN, G. - ZHENG, J. Supersymmetric models in light of improved Higgs mass calculations. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 19 2019, vol. 79, no. 2., Registrované v: WOS
238. [1.1] BAGNASCHI, E. - DEGRASSI, G. - PASSEHR, S. - SLAVICH, P. Full two-loop QCD corrections to the Higgs mass in the MSSM with heavy superpartners. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
239. [1.1] BAHL, Henning - HEINEMEYER, Sven - HOLLIK, Wolfgang - WEIGLEIN, Georg. Reconciling EFT and hybrid calculations of the light MSSM Higgs-boson mass. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 1, art. no. 57., Registrované v: WOS
240. [1.1] BAHL, Henning - HOLLIK, Wolfgang. Precise prediction of the MSSM Higgs boson masses for low M_A . In JOURNAL OF HIGH ENERGY

PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 182., Registrované v: WOS

241. [1.1] BAHL, Henning - HOLLIK, Wolfgang. Precise prediction for the light MSSM Higgs-boson mass combining effective field theory and fixed-order calculations. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 9, art. no. 499., Registrované v: WOS

242. [1.1] BAHL, H. Pole mass determination in presence of heavy particles. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 19 2019, no. 2., Registrované v: WOS

243. [1.1] BAHL, H. - HAHN, T. - HEINEMEYER, S. - HOLLIK, W. - PASSEHR, S. - RZEHA, H. - WEIGLEIN, G. Precision calculations in the MSSM Higgs-boson sector with FeynHiggs 2.14. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, APR 2020, vol. 249., Registrované v: WOS

244. [1.1] BAHL, H. - LIEBLER, S. - STEFANIAK, T. MSSM Higgs benchmark scenarios for Run 2 and beyond: the low $\tan\beta$ region. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS

245. [1.1] BAHRAMI, Sahar - FRANK, Mariana. Dark matter in the Higgs triplet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 7, art. no. 075003., Registrované v: WOS

246. [1.1] BAJC, Borut - HISANO, Junji - KUWAHARA, Takumi - OMURA, Yuji. Threshold corrections to dimension-six proton decay operators in non-minimal SUSY SU(5) GUTs. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 910, pp. 1-22., Registrované v: WOS

247. [1.1] BALAJI, S. - FOOT, R. - SCHMIDT, M.A. Chiral SU(4) explanation of the $b \rightarrow s$ anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 23 2019, vol. 99, no. 1., Registrované v: WOS

248. [1.1] BALAZS, Csaba - WHITE, Graham - YUE, Jason. Effective field theory, electric dipole moments and electroweak baryogenesis. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 030., Registrované v: WOS

249. [1.1] BALDES, Iason. Gravitational waves from the asymmetric-dark-matter generating phase transition. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2017, no. 5, art. no. 028., Registrované v: WOS

250. [1.1] BALLESTEROS, Guillermo - REDONDO, Javier - RINGWALD, Andreas - TAMARIT, Carlos. Standard Model axion seesaw Higgs portal inflation. Five problems of particle physics and cosmology solved in one stroke. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2017, no. 8, art. no. 001., Registrované v: WOS

251. [1.1] BALLESTEROS, Guillermo - TAMARIT, Carlos. Higgs portal valleys, stability and inflation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art. no. 210., Registrované v: WOS

252. [1.1] BALLESTRERO, Alessandro - MAINA, Ezio - PELLICCIOLI, Giovanni. W boson polarization in vector boson scattering at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 170., Registrované v: WOS

253. [1.1] BAMBHANIYA, Gulab - DEV, P. S. Bhupal - GOSWAMI, Srubabati - KHAN, Subrata - RODEJOHANN, Werner. Naturalness, vacuum stability, and leptogenesis in the minimal seesaw model. In PHYSICAL

REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095016.,
 Registrované v: WOS

254. [1.1] BAMBHANIYA, Gulab - KHAN, Subrata - KONAR, Partha -
 MONDAL, Tanmoy. Constraints on a seesaw model leading to quasidegenerate
 neutrinos and signatures at the LHC. In PHYSICAL REVIEW D. ISSN
 1550-7998, 2015, vol. 91, no. 9, art. no. 095007., Registrované v: WOS

255. [1.1] BAMBHANIYA, Gulab - GOSWAMI, Srubabati - KHAN,
 Subrata - KONAR, Partha - MONDAL, Tanmoy. Looking for hints of a
 reconstructible seesaw model at the Large Hadron Collider. In PHYSICAL
 REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 7, art. no. 075007.,
 Registrované v: WOS

256. [1.1] BAMBHANIYA, Gulab - CHAKRABORTTY, Joydeep -
 DAGAONKAR, Sumeet K. Rare meson decay through off-shell doubly charged
 scalars. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art.
 no. 055020., Registrované v: WOS

257. [1.1] BANDYOPADHYAY, Priyotosh - HUITU, Katri - KECALI,
 Asli Sabanci. Higgs(es) in triplet extended supersymmetric standard model at the
 LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN
 2405-6014, 2016, vol. 273, pp. 2473-2475., Registrované v: WOS

258. [1.1] BANDYOPADHYAY, Priyotosh - MANDAL, Rusa. Vacuum
 stability in an extended standard model with a leptoquark. In PHYSICAL
 REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035007.,
 Registrované v: WOS

259. [1.1] BANDYOPADHYAY, Priyotosh - CHUN, Eung Jin. Lepton
 flavour violating signature in supersymmetric $U(1)'$ seesaw models at the LHC.
 In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 5, art.
 no. 045., Registrované v: WOS

260. [1.1] BANDYOPADHYAY, Priyotosh - HUITU, Katri - KECALI,
 Asli Sabanci. Multi-lepton signatures of the triplet like charged Higgs at the
 LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no.
 5, art. no. 026., Registrované v: WOS

261. [1.1] BANERJEE, Avik - BHATTACHARYYA, Gautam - RAY,
 Tirtha Sankar. Improving fine-tuning in composite Higgs models. In PHYSICAL
 REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035040.,
 Registrované v: WOS

262. [1.1] BANERJEE, A. - BHATTACHARYYA, G. Probing the Higgs
 boson through Yukawa force. In NUCLEAR PHYSICS B. ISSN 0550-3213,
 DEC 2020, vol. 961., Registrované v: WOS

263. [1.1] BANERJEE, Indrani - SENGUPTA, Soumitra. Modulus
 stabilization in a non-flat warped braneworld scenario. In EUROPEAN
 PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 5, art. no. 277.,
 Registrované v: WOS

264. [1.1] BANFI, Andrea - CAOLA, Fabrizio - DREYER, Frederic A. -
 MONNI, Pier Francisco - SALAM, Galvin P. - ZANDERIGHI, Giulia - DULAT,
 Falko. Jet-vetoed Higgs cross section in gluon fusion at (NLO)-L-3+NNLL with
 small-R resummation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN
 1029-8479, 2016, no. 4, art. no. 049., Registrované v: WOS

265. [1.1] BANFI, A. - DILLON, B.M. - KETAIAM, W. -
 KVEDARAITE, S. Composite Higgs at high transverse momentum. In
 JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 16 2020, no.

1., Registrované v: WOS

266. [1.1] BANIK, Amit Dutta - PANDEY, Madhurima - MAJUMDAR, Debasish - BISWAS, Anirban. Two component WIMP-FImP dark matter model with singlet fermion, scalar and pseudo scalar. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 10, art. no. 657., Registrované v: WOS

267. [1.1] BANIK, Amit Dutta - MAJUMDAR, Debasish. Extension of minimal fermionic dark matter model: a study with two Higgs doublet model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 8, art. no. 364., Registrované v: WOS

268. [1.1] BANIK, Amit Dutta - MAJUMDAR, Debasish. Low energy gamma ray excess confronting a singlet scalar extended inert doublet dark matter model. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 743, pp. 420-427., Registrované v: WOS

269. [1.1] BANIK, Amit Dutta - MAJUMDAR, Debasish - BISWAS, Anirban. Possible explanation of indirect gamma ray signatures from hidden sector fermionic dark matter. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 6, art. no. 346., Registrované v: WOS

270. [1.1] BAUCHE, Nabil - AHRICHE, Amine. Identifying the nature of dark matter at $e(-)e(+)$ colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5., Registrované v: WOS

271. [1.1] BAO, S.S. Study of the FCNH Coupling with Boosted Higgs at LHC. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, SEP 2019, vol. 71, no. 9, p. 1093-1096., Registrované v: WOS

272. [1.1] BARCELO, Roberto - MITRA, Subhadip - MOREAU, Gregory. On a boundary-localized Higgs boson in 5D theories. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 11, art. no. 527., Registrované v: WOS

273. [1.1] BARDHAN, Debjyoti - CHAKRABORTY, Amit - CHOUDHURY, Debajyoti - GHOSH, Dilip Kumar - MAITY, Manas. Search for bottom squarks in the baryon-number violating MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035024., Registrované v: WOS

274. [1.1] BARDHAN, Debjyoti - BHATTACHARYYA, Gautam - GHOSH, Diptimoy - PATRA, Monalisa - RAYCHAUDHURI, Sreerup. Detailed analysis of flavor-changing decays of top quarks as a probe of new physics at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015026., Registrované v: WOS

275. [1.1] BARDUCCI, Daniele - HELMBOLDT, Alexander J. Quark flavour-violating Higgs decays at the ILC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 12, art. no. 105., Registrované v: WOS

276. [1.1] BARDUCCI, Daniele - CAI, Haiying - DE CURTIS, Stefania - LLANES-ESTRADA, Felipe J. - MORETTI, Stefano. Unitarity in composite Higgs boson approaches with vector resonances. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 095013., Registrované v: WOS

277. [1.1] BARDUCCI, D. - BELANGER, G. - BERNON, J. - BOUDJEMA, F. - DA SILVA, J. - KRAML, S. - LAA, U. - PUKHOV, A. Collider limits on new physics within micrOMEGAs_4.3. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 222, pp. 327-338., Registrované v: WOS

278. [1.1] BARDUCCI, D. - DE CURTIS, S. - MORETTI, S. - PRUNA,

G. M. Top pair production at a future $e^{(+)}e^{(-)}$ machine in a composite Higgs scenario. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 8, art. no. 127., Registrované v: WOS

279. [1.1] BARENBOIM, G. - BOSCH, C. - LEE, J. S. - LOPEZ-IBANEZ, M. L. - VIVES, O. Flavor-changing Higgs boson decays into bottom and strange quarks in supersymmetric models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095017., Registrované v: WOS

280. [1.1] BARGACH, A. - BARGACH, F. - BOUHMADI-LOPEZ, M. - OUALI, T. Nonminimal Higgs inflation within holographic cosmology. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 24 2020, vol. 102, no. 12., Registrované v: WOS

281. [1.1] BARGUENO, Pedro. Chirality and Gravitational Parity Violation. In CHIRALITY. ISSN 0899-0042, 2015, vol. 27, no. 6, pp. 375-381., Registrované v: WOS

282. [1.1] BARMAN, Rahool Kumar - BELANGER, Genevieve - BHATTACHERJEE, Biplob - GODBOLE, Rohini - MENDIRATTA, Gaurav - SENGUPTA, Dipan. Invisible decay of the Higgs boson in the context of a thermal and nonthermal relic in MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095018., Registrované v: WOS

283. [1.1] BARMAN, Rahool Kumar - BHATTACHERJEE, Biplob - CHAKRABORTY, Amit - CHOUDHURY, Arghya. Study of MSSM heavy Higgs bosons decaying into charginos and neutralinos. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075013., Registrované v: WOS

284. [1.1] BARNOVSKA, Zuzana. Search for narrow scalar $X \rightarrow \gamma \gamma$ in the mass range 65-600 GeV with the ATLAS detector. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 2460-2462., Registrované v: WOS

285. [1.1] BARON, J. - CAMPBELL, W. C. - DEMILLE, D. - DOYLE, J. M. - GABRIELSE, G. - GUREVICH, Y. V. - HESS, P. W. - HUTZLER, N. R. - KIRILOV, E. - KOZYRYEV, I. - O'LEARY, B. R. - PANDA, C. D. - PARSONS, M. F. - SPAUN, B. - VUTHA, A. C. - WEST, A. D. - WEST, E. P. Methods, analysis, and the treatment of systematic errors for the electron electric dipole moment search in thorium monoxide. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2017, vol. 19, art. no. 073029., Registrované v: WOS

286. [1.1] BARRANCO, Juan - BERNAL, Argelia - CARLOS DEGOLLADO, Juan - DIEZ-TEJEDOR, Alberto - MEGEVAND, Miguel - NUNEZ, Dario - SARBACH, Olivier. Self-gravitating black hole scalar wigs. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 2, art. no. 024049., Registrované v: WOS

287. [1.1] BARRETO, E. R. - DIAS, A. G. - LEITE, J. - NISHI, C. C. - OLIVEIRA, R. L. N. - VIEIRA, W. C. Hierarchical fermions and detectable Z' from effective two-Higgs-triplet 3-3-1 model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055047., Registrované v: WOS

288. [1.1] BAR-SHALOM, Shaouly. Softening Higgs Naturalness an EFT Analysis. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 696-702., Registrované v: WOS

289. [1.1] BASIRNIA, Aria - EGANA-UGRINOVIC, Daniel - KNAPEN, Simon - SHIH, David. 125 GeV Higgs from tree-level A-terms. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 144., Registrované v: WOS

290. [1.1] BASLER, Philipp - FERREIRA, Pedro M. - MUEHLLEITNER, Margarete - SANTOS, Rui. High scale impact in alignment and decoupling in two-Higgs-doublet models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095024., Registrované v: WOS
291. [1.1] BASLER, P. - DAWSON, S. - ENGLERT, C. - MUEHLLEITNER, M. Showcasing HH production: Benchmarks for the LHC and HL-LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 29 2019, vol. 99, no. 5., Registrované v: WOS
292. [1.1] BASLER, P. - KRAUSE, M. - MUEHLLEITNER, M. - WITTBRODT, J. - WLOTZKA, A. Strong first order electroweak phase transition in the CP-conserving 2HDM revisited. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 2, art. no. 121., Registrované v: WOS
293. [1.1] BASLER, P. - MUEHLLEITNER, M. - WITTBRODT, J. The CP-violating 2HDM in light of a strong first order electroweak phase transition and implications for Higgs pair production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 061., Registrované v: WOS
294. [1.1] BASSO, E.E. - CHUNG, D.J.H. Non-Abelian basis tensor gauge theory. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 8., Registrované v: WOS
295. [1.1] BASSO, Lorenzo - ANDREA, Jeremy. Discovery potential for $T \rightarrow t\bar{t}$ in the trilepton channel at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 2, art. no. 032., Registrované v: WOS
296. [1.1] BASSO, Lorenzo - OSLAND, Per - PRUNA, Giovanni Marco. Charged-Higgs production in the Two-Higgs-doublet model the TV channel. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 083., Registrované v: WOS
297. [1.1] BASS, Steven D. Vacuum energy and the cosmological constant. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2015, vol. 30, no. 22, art. no. 1540033., Registrované v: WOS
298. [1.1] BASTERO-GIL, Mar - CEREZO, Rafael - ROSA, Joao G. Inflaton dark matter from incomplete decay. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 10, art. no. 103531., Registrované v: WOS
299. [1.1] BATEBI, S. - HAGHIGHAT, M. - TIZCHANG, S. - AKAFZADE, H. Higgs couplings in noncommutative Standard Model. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 20, art. no. 1550108., Registrované v: WOS
300. [1.1] BATELL, Brian - LANGE, Nicholas - MCKEEN, David - POSPELOV, Maxim - RITZ, Adam. Muon anomalous magnetic moment through the leptonic Higgs portal. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075003., Registrované v: WOS
301. [1.1] BATELL, Brian - MCCULLOUGH, Matthew - STOLARSKI, Daniel - VERHAAREN, Christopher B. Putting a stop to di-Higgs modifications. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art. no. 216., Registrované v: WOS
302. [1.1] BATTYE, R.A. - PILAFTSIS, A. - VIATIC, D.G. Domain wall constraints on two-Higgs-doublet models with $Z(2)$ symmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 23 2020, vol. 102, no. 12., Registrované v: WOS
303. [1.1] BAUM, Sebastian - SHAH, Nausheen R. Two Higgs doublets

- and a complex singlet: disentangling the decay topologies and associated phenomenology. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 044., Registrované v: WOS
304. [1.1] BEAUJEAN, Frederik - CALDWELL, Allen - REIMANN, Olaf. Is the bump significant? An axion-search example. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 793., Registrované v: WOS
305. [1.1] BECCIOLINI, Diego - GILLIOZ, Marc - SANNINO, Francesco - NARDECCHIA, Marco - SPANNOWSKY, Michael. Constraining new colored matter from the ratio of 3 to 2 jets cross sections at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 015010., Registrované v: WOS
306. [1.1] BECCHETTI, Matteo - BONCIANI, Roberto - CASCONI, Valerio - DEL DUCA, Vittorio - MORIELLO, Francesco. Planar master integrals for the two-loop light-fermion electroweak corrections to Higgs plus jet production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 019., Registrované v: WOS
307. [1.1] BECK, Reinhard - THOMA, Ulrike. Spectroscopy of baryon resonances. In SUBNUCLEAR STRUCTURE OF MATTER: ACHIEVEMENTS AND CHALLENGES. ISSN 2100-014X, 2017, vol. 134, art. no. 02001., Registrované v: WOS
308. [1.1] BEDNYAKOV, Alexander - RUTBERG, Veronika. FCNC decays of the Higgs bosons in the BGL model. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2018, vol. 33, no. 31, art. no. 1850152., Registrované v: WOS
309. [1.1] BEDNYAKOV, A. V. - KNIEHL, B. A. - PIKELNER, A. F. - VERETIN, O. L. Stability of the Electroweak Vacuum: Gauge Independence and Advanced Precision. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 20, art. no. 201802., Registrované v: WOS
310. [1.1] BELAGER, Genevieve - DELAUNAY, Cedric - GOUDELIS, Andreas. The dark side of electroweak naturalness beyond the MSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 149., Registrované v: WOS
311. [1.1] BELANGER, Genevieve - DA SILVA, Jonathan - HIEU MINH TRAN. Dark matter in U(1) extensions of the MSSM with gauge kinetic mixing. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115017., Registrované v: WOS
312. [1.1] BELANGER, Genevieve - GHOSH, Diptimoy - GODBOLE, Rohini - KULKARNI, Suchita. Light stop in the MSSM after LHC Run 1. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art. no. 214., Registrované v: WOS
313. [1.1] BELANGER, Genevieve - DUMONT, Beranger - GOUDELIS, Andreas - HERRMANN, Bjoern - KRAML, Sabine - SENGUPTA, Dipan. Dilepton constraints in the inert doublet model from Run 1 of the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 115011., Registrované v: WOS
314. [1.1] BELANGER, Genevieve - DELAUNAY, Cedric. Dark sector for $g(\mu)$ -2, R-K and a 750 GeV diphoton resonance. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075019., Registrované v: WOS
315. [1.1] BELANGER, G. - BIZOUARD, V. - BOUDJEMA, F. -

- CHALONS, G. One-loop renormalization of the NMSSM in SloopS. II. The Higgs sector. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015040., Registrované v: WOS
316. [1.1] BELANGER, G. - BIZOUARD, V. - BOUDJEMA, F. - CHALONS, G. One-loop renormalization of the NMSSM in SloopS: The neutralino-chargino and sfermion sectors. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115031., Registrované v: WOS
317. [1.1] BELANGER, G. - DA SILVA, J. - LAA, U. - PUKHOV, A. Probing U(1) extensions of the MSSM at the LHC Run I and in dark matter searches. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art. no. 151., Registrované v: WOS
318. [1.1] BELHAJ, A. - DOUHOU, K. - ENNADIFI, S.E. - DEL MORAL, M.P.G. Axion from Quivers in Type II Superstrings. In FORTSCHRITTE DER PHYSIK-PROGRESS OF PHYSICS. ISSN 0015-8208, JUN 2019, vol. 67, no. 6., Registrované v: WOS
319. [1.1] BELUFFI, Camille. Higgs in fermionic channel (CMS). In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, art. no. 04005., Registrované v: WOS
320. [1.1] BELYAEV, Alexander S. - FLACKE, Thomas - JAIN, Bithika - SCHAEFERS, Patrick B. LHC dark matter signals from vector resonances and top partners. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035019., Registrované v: WOS
321. [1.1] BELYAEV, Alexander - CACCIAPAGLIA, Giacomo - IVANOV, Igor P. - ROJAS-ABATTE, Felipe - THOMAS, Marc. Anatomy of the inert two-Higgs-doublet model in the light of the LHC and non-LHC dark matter searches. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 035011., Registrované v: WOS
322. [1.1] BELYAEV, A. - COUPE, A. - EVANS, N. - LOCKE, D. - SCOTT, M. Any room left for technicolor? Dilepton searches at the LHC and beyond. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 10 2019, vol. 99, no. 9., Registrované v: WOS
323. [1.1] BELYAEV, A. - COUPE, A. - FRANDSEN, M. - OLAIYA, E. - SHEPHERD-THEMISTOCLEOUS, C. Walking technicolor in light of Z' searches at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 8 2019, vol. 99, no. 5., Registrované v: WOS
324. [1.1] BELYAEV, A.S. - SCHAEFERS, B. - THOMAS, M.C. Precise test of Higgs boson properties via triple Higgs boson production in vector boson fusion at future colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 23 2019, vol. 99, no. 1., Registrované v: WOS
325. [1.1] BENEKE, M. - BOITO, D. - WANG, Y.M. Signatures of anomalous Higgs couplings in angular asymmetries of $H \rightarrow Zl^{(+)}l^{(-)}$ and $e^{+}e^{-} \rightarrow HZ$. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 846-851., Registrované v: WOS
326. [1.1] BENIC, Sanjin - RADOVCIC, Branimir. Majorana dark matter in a classically scale invariant model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, vol., no. 1, art. no. 143., Registrované v: WOS
327. [1.1] BENITEZ-GUZMAN, L. G. - GARCIA-JIMENEZ, I. - LOPEZ-OSORIO, M. A. - MARTINEZ-PASCUAL, E. - TOSCANO, J. J. Revisiting the flavor changing neutral current Higgs decays $H \rightarrow q^{(i)}q^{(j)}$ in the

Standard Model. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 8, art. no. 085002., Registrované v: WOS

328. [1.1] BENNETT, Ed - HONG, Deog Ki - LEE, Jong-Wan - LIN, C.J. David - LUCINI, Biagio - PIAI, Maurizio - VADACCHINO, Davide. Sp(4) gauge theory on the lattice: towards SU(4)/Sp(4) composite Higgs (and beyond). In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 185., Registrované v: WOS

329. [1.1] BENTOV, Yoni. Fermion masses without symmetry breaking in two spacetime dimensions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 7, art. no. 034., Registrované v: WOS

330. [1.1] BEREZHIANI, Zurab - CHIANESE, Marco - MIELE, Gennaro - MORISI, Stefano. Chances for SUSY-GUT in the LHC Epoch. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 8, art. no. 083., Registrované v: WOS

331. [1.1] BERGERON, Paul - SANDICK, Pearl - SINHA, Kuver. Theoretical uncertainties in the calculation of supersymmetric dark matter observables. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 113., Registrované v: WOS

332. [1.1] BERGE, Stefan - BERNREUTHER, Werner - KIRCHNER, Sebastian. Prospects of constraining the Higgs boson's CP nature in the tau decay channel at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 096012., Registrované v: WOS

333. [1.1] BERGE, Stefan - BERNREUTHER, Werner - KIRCHNER, Sebastian. Determination of the Higgs CP-mixing angle in the tau decay channels. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 841-845., Registrované v: WOS

334. [1.1] BERGE, S. - GROOTE, S. - KORNER, J. G. - KALDAMAE, L. Lepton-mass effects in the decays $H \rightarrow ZZ^* \rightarrow l^{(+)}l^{(-)}\tau^{(+)}\tau^{(-)}$ and $H \rightarrow WW^* \rightarrow l \nu \tau \nu(\tau)$. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 033001., Registrované v: WOS

335. [1.1] BERGSTROEM, Johannes - RIAD, Stella. Bayesian model comparison of Higgs couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 7, art. no. 075008., Registrované v: WOS

336. [1.1] BERI, Suman. Neutrino Oscillations New Windows to the Particle World. In RESONANCE-JOURNAL OF SCIENCE EDUCATION. ISSN 0971-8044, 2016, vol. 21, no. 10, pp. 911-924., Registrované v: WOS

337. [1.1] BERNABEU, Jose. Separate T, CP, CPT Asymmetries in Neutral Meson Transitions. In FIFTH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES. ISSN 1742-6588, 2017, vol. 873, art. no. 012001., Registrované v: WOS

338. [1.1] BERNABEU, J. Symmetries and Their Breaking in the Fundamental Laws of Physics. In SYMMETRY-BASEL. AUG 2020, vol. 12, no. 8., Registrované v: WOS

339. [1.1] BERNACIAK, Catherine - PLEHN, Tilman - SCHICHTEL, Peter - TATTERSALL, Jamie. Spying an invisible Higgs boson. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 035024., Registrované v: WOS

340. [1.1] BERNON, Jeremy - DUMONT, Beranger. Lilith: a tool for constraining new physics from Higgs measurements. In EUROPEAN

PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 440.,
Registrované v: WOS

341. [1.1] BERNREUTHER, Werner - CHEN, Long. Improved effective
vector boson approximation revisited. In PHYSICAL REVIEW D. ISSN
2470-0010, 2016, vol. 93, no. 5, art. no. 053018., Registrované v: WOS

342. [1.1] BERNREUTHER, W. - GALLER, P. - MELLEIN, C. - SI, Z.G.
- UWER, P. Production of heavy Higgs bosons and decay into top quarks at the
LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no.
034032., Registrované v: WOS

343. [1.1] BERNREUTHER, W. - GALLER, P. - SI, Z.G. - UWER, P.
Production of heavy Higgs bosons and decay into top quarks at the LHC. II.
Top-quark polarization and spin correlation effects. In PHYSICAL REVIEW D.
ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095012., Registrované v: WOS

344. [1.1] BERN, Z. - DIXON, L. J. - FEBRES CORDERO, F. -
HOECHE, S. - ITA, H. - KOSOWER, D. A. - MAITRE, D. Extrapolating
W-associated jet-production ratios at the LHC. In PHYSICAL REVIEW D. ISSN
1550-7998, 2015, vol. 92, no. 1, art. no. 014008., Registrované v: WOS

345. [1.1] BERTOLAMI, O. - COSME, Catarina - ROSA, Joao G. Scalar
field dark matter and the Higgs field. In PHYSICS LETTERS B. ISSN
0370-2693, 2016, vol. 759, pp. 1-8., Registrované v: WOS

346. [1.1] BERTULANI, Carlos A. - HUSSEIN, Mahir S. Current Status
of Nuclear Physics Research. In BRAZILIAN JOURNAL OF PHYSICS. ISSN
0103-9733, 2015, vol. 45, no. 6, pp. 730-755., Registrované v: WOS

347. [1.1] BERTUZZO, Enrico - FRUGIUELE, Claudia - GREGOIRE,
Thomas - PONTON, Eduardo. Dirac gaugions, R symmetry and the 125 GeV
Higgs. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015,
no. 4, art. no. 089., Registrované v: WOS

348. [1.1] BESKIDT, C. - DE BOER, W. - KAZAKOV, D. I. Can we
discover a light singlet-like NMSSM Higgs boson at the LHC? In PHYSICS
LETTERS B. ISSN 0370-2693, 2018, vol. 782, pp. 69-76., Registrované v: WOS

349. [1.1] BESKIDT, C. - DE BOER, W. - KAZAKOV, D. I. -
WAYAND, S. Higgs branching ratios in constrained minimal and
next-to-minimal supersymmetry scenarios surveyed. In PHYSICS LETTERS B.
ISSN 0370-2693, 2016, vol. 759, pp. 141-148., Registrované v: WOS

350. [1.1] BETRE, Kassahun - EL HEDRI, Sonia - WALKER, Devin G.
E. Perturbative unitarity constraints on the NMSSM Higgs Sector. In PHYSICS
OF THE DARK UNIVERSE. ISSN 2212-6864, 2018, vol. 19, pp. 46-59.,
Registrované v: WOS

351. [1.1] BEURIA, Jyotiranjana - DEY, Abhishek. Exploring charge and
color breaking vacuum in non-holomorphic MSSM. In JOURNAL OF HIGH
ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 10, art. no. 154., Registrované
v: WOS

352. [1.1] BEURIA, Jyotiranjana - CHATTOPADHYAY, Utpal - DATTA,
AseshKrishna - DEY, Abhishek. Exploring viable vacua of the Z(3)-symmetric
NMSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017,
no. 4, art. no. 024., Registrované v: WOS

353. [1.1] BEURIA, Jyotiranjana - CHATTERJEE, Arindam - DATTA,
AseshKrishna - RAI, Santosh Kumar. Two light stops in the NMSSM and the
LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no.
9, pp. 1-47., Registrované v: WOS

354. [1.1] BEVAN, Adrian. Experimental prospects for C, P, T, CP, and CPT tests. In 4TH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES (DISCRETE2014). ISSN 1742-6588, 2015, vol. 631, art. no. 012003., Registrované v: WOS
355. [1.1] BEYLIN, V. - BEZUGLOV, M. - KUKSA, V. Analysis of scalar Dark Matter in a minimal vectorlike Standard Model extension. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 6-7, art. no. 1750042., Registrované v: WOS
356. [1.1] BEYLIN, V. - BEZUGLOV, M. - KUKSA, V. - VOLCHANSKIY, N. An Analysis of a Minimal Vectorlike Extension of the Standard Model. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, art. no. 1765340., Registrované v: WOS
357. [1.1] BEZARES, Miguel - PALENZUELA, Carlos. Gravitational waves from dark boson star binary mergers. In CLASSICAL AND QUANTUM GRAVITY. ISSN 0264-9381, 2018, vol. 35, no. 23, art. no. 234002., Registrované v: WOS
358. [1.1] BEZRUKOV, Fedor - PAULY, Martin - RUBIO, Javier. On the robustness of the primordial power spectrum in renormalized Higgs inflation. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 2, art. no. 040., Registrované v: WOS
359. [1.1] BEZRUKOV, Fedor - RUBIO, Javier - SHAPOSHNIKOV, Mikhail. Living beyond the edge: Higgs inflation and vacuum metastability. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 8, art. no. 083512., Registrované v: WOS
360. [1.1] BEZRUKOV, F. - GORBUNOV, D. - SHEPHERD, C. - TOKAREVA, A. Some like it hot: R-2 heals Higgs inflation, but does not cool it. In PHYSICS LETTERS B. ISSN 0370-2693, AUG 10 2019, vol. 795, p. 657-665., Registrované v: WOS
361. [1.1] BHARDWAJ, A. - KONAR, P. - SHARMA, P. - SWAIN, A.K. Exploring CP phase in tau-lepton Yukawa coupling in Higgs decays at the LHC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, OCT 2019, vol. 46, no. 10., Registrované v: WOS
362. [1.1] BHATIA, Disha - MAITRA, Ushoshi - NIYOGI, Saurabh. Discovery prospects of a light Higgs boson at the LHC in type-I 2HDM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055027., Registrované v: WOS
363. [1.1] BHATIA, D. - MAITRA, U. - RAYCHAUDHURI, S. Pinning down anomalous WW gamma couplings at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 16 2019, vol. 99, no. 9., Registrované v: WOS
364. [1.1] BHATTACHARYA, Satyaki - FRANK, Mariana - HUITU, Katri - MAITRA, Ushoshi - MUKHOPADHYAYA, Biswarup - RAI, Santosh Kumar. Probing the light radion through diphotons at the Large Hadron Collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 1, art. no. 016008., Registrované v: WOS
365. [1.1] BHATTACHARYA, Subhaditya - VARZIELAS, Ivo de Medeiros - KARMAKAR, Biswajit - KING, Stephen F. - SIL, Arunansu. Dark side of the seesaw. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 007., Registrované v: WOS
366. [1.1] BHATTACHARYYA, Gautam - DAS, Dipankar - JAY PEREZ, M. - SAHA, Ipsita - SANTAMARIA, Arcadi - VIVES, Oscar. Can

measurements of 2HDM parameters provide hints for high scale supersymmetry? In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095018., Registrované v: WOS

367. [1.1] BHATTACHARYYA, Gautam - DAS, Dipankar. Scalar sector of two-Higgs-doublet models: A minireview. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2016, vol. 87, no. 3, art. no. UNSP 40., Registrované v: WOS

368. [1.1] BHATTACHERJEE, Biplob - CHAKRABORTY, Amit - CHOUDHURY, Arghya. Status of the MSSM Higgs sector using global analysis and direct search bounds, and future prospects at the High Luminosity LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 093007., Registrované v: WOS

369. [1.1] BHATTACHERJEE, Biplob - CHAKRABORTI, Manimala - CHAKRABORTY, Amit - CHATTOPADHYAY, Utpal - GHOSH, Dilip Kumar. Status of the 98-125 GeV Higgs bosons scenario with updated LHC-8 data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075004., Registrované v: WOS

370. [1.1] BHATTACHERJEE, Biplob - CHOUDHURY, Arghya. Role of supersymmetric heavy Higgs boson production in the self-coupling measurement of 125 GeV Higgs boson at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 7, art. no. 073015., Registrované v: WOS

371. [1.1] BHATTACHERJEE, Biplob - CHAKRABORTY, Sabyasachi - MUKHERJEE, Swagata. Lepton flavor violating decay of 125 GeV Higgs boson to mu tau channel and excess in $t(t)\text{over-bar}H$. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 30, art. no. 1650174., Registrované v: WOS

372. [1.1] BHATTACHERJEE, B. - KHAN, N. - PATRA, A. Anatomy of heavy gauge bosons in a left-right supersymmetric model. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 10 2019, vol. 100, no. 7., Registrované v: WOS

373. [1.1] BHAT, Pushpalatha C. - PROSPER, Harrison B. - SEKMEN, Sezen - STEWART, Chip. Optimizing event selection with the random grid search. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 228, pp. 245-257., Registrované v: WOS

374. [1.1] BIANCHINI, Lorenzo - CALPAS, Betty - CONWAY, John - FOWLIE, Andrew - MARZOLA, Luca - PERRINI, Lucia - VEELKEN, Christian. Reconstruction of the Higgs mass in events with Higgs bosons decaying into a pair of tau leptons using matrix element techniques. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2017, vol. 862, pp. 54-84., Registrované v: WOS

375. [1.1] BIANCHINI, Lorenzo. Search for the associated Higgs boson production with top quarks in CMS. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 884-889., Registrované v: WOS

376. [1.1] BIAN, Ligong - GUO, Huai-Ke - SHU, Jing. Gravitational Waves, baryon asymmetry of the universe and electric dipole moment in the CP-violating NMSSM. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 9, art. no. 093106., Registrované v: WOS

377. [1.1] BIAN, Ligong - CHEN, Ning. Higgs pair productions in the CP-violating two-Higgs-doublet model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 9, art. no. 069., Registrované v: WOS
378. [1.1] BIAN, Ligong - LIU, Tao - SHU, Jing. Cancellations Between Two-Loop Contributions to the Electron Electric Dipole Moment with a CP-Violating Higgs Sector. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 2, art. no. 021801., Registrované v: WOS
379. [1.1] BIAN, Ligong - LI, Tianjun - SHU, Jing - WANG, Xiao-Chuan. Two component dark matter with multi-Higgs portals. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 3, art. no. 126., Registrované v: WOS
380. [1.1] BIEKOETTER, Anke - BREHMER, Johann - PLEHN, Tilman. Extending the limits of Higgs effective theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055032., Registrované v: WOS
381. [1.1] BIEKOETTER, Anke - KEILBACH, Fabian - MOUTAFIS, Rhea - PLEHN, Tilman - THOMPSON, Jennifer M. Tagging Jets in Invisible Higgs Searches. In SCIPOST PHYSICS. ISSN 2542-4653, 2018, vol. 4, no. 6, art. no. 035., Registrované v: WOS
382. [1.1] BIEKOTTER, T. - HEINEMEYER, S. - MUNOZ, C. Precise prediction for the Higgs-boson masses in the $\mu\mu$ SSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 504., Registrované v: WOS
383. [1.1] BIEKOTTER, T. - HEINEMEYER, S. - MUNOZ, C. Precise prediction for the Higgs-Boson masses in the $\mu\mu$ SSM with three right-handed neutrino superfields. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 8 2019, vol. 79, no. 8., Registrované v: WOS
384. [1.1] BIGGIO, Carla - DROR, Jeff Asaf - GROSSMAN, Yuval - NG, Wee Hao. Probing a slepton Higgs on all frontiers. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 150., Registrované v: WOS
385. [1.1] BIGI, Ikaros I. Fundamental dynamics: Past, present and the future like CP violation and EDMs. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 10, art. no. 1543006., Registrované v: WOS
386. [1.1] BIINO, Cristina. The CMS Electromagnetic Calorimeter: overview, lessons learned during Run 1 and future projections. In 16TH INTERNATIONAL CONFERENCE ON CALORIMETRY IN HIGH ENERGY PHYSICS (CALOR 2014). ISSN 1742-6588, 2015, vol. 587, art. no. 012001., Registrované v: WOS
387. [1.1] BILENKY, S. M. Neutrino in standard model and beyond. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, 2015, vol. 46, no. 4, pp. 475-496., Registrované v: WOS
388. [1.1] BILENKY, S. M. - GIUNTI, C. Neutrinoless double-beta decay: A probe of physics beyond the Standard Model. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 4-5, art. no. 1530001., Registrované v: WOS
389. [1.1] BILKI, B. CMS Forward Calorimeters Phase II Upgrade. In 16TH INTERNATIONAL CONFERENCE ON CALORIMETRY IN HIGH ENERGY PHYSICS (CALOR 2014). ISSN 1742-6588, 2015, vol. 587, art. no. 012014., Registrované v: WOS

390. [1.1] BILLUR, A.A. - KOKSAL, M. - GUTIERREZ-RODRIGUEZ, A. - HERNANDEZ-RUIZ, M.A. Projections for model-independent limit estimates on top-quark anomalous electromagnetic couplings at the FCC-he. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, NOV 2019, vol. 134, no. 11., Registrované v: WOS
391. [1.1] BIONDI, Silvia. Study of the associated production of the Higgs boson with a top quark pair in a boosted regime in the ATLAS experiment. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 11, art. no. 462., Registrované v: WOS
392. [1.1] BIRCH-SYKES, C. - NEDA, D. - PETERS, Y. - PILAFTSIS, A. Accidental symmetries in the 2HDMEFT. In NUCLEAR PHYSICS B. ISSN 0550-3213, NOV 2020, vol. 960., Registrované v: WOS
393. [1.1] BISANZ, T. Test-beam activities and results for the ATLAS ITk pixel detector. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2017, vol. 12, art. no. C12053., Registrované v: WOS
394. [1.1] BISHARA, Fady - CONTINO, Roberto - ROJO, Juan. Higgs pair production in vector-boson fusion at the LHC and beyond. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 7, art. no. 481., Registrované v: WOS
395. [1.1] BISWAS, Ambalika - LAHIRI, Amitabha. Masses of physical scalars in two Higgs doublet models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 115012., Registrované v: WOS
396. [1.1] BISWAS, Ambalika - LAHIRI, Amitabha. Alignment, reverse alignment, and wrong sign Yukawa couplings in two Higgs doublet models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115017., Registrované v: WOS
397. [1.1] BISWAS, Anirban - BORAH, Debasish - NANDA, Dibyendu. When freeze-out precedes freeze-in: sub-TeV fermion triplet dark matter with radiative neutrino mass. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 9, art. no. 014., Registrované v: WOS
398. [1.1] BISWAS, Anirban - GUPTA, Aritra. Freeze-in production of sterile neutrino dark matter in U(1)(B-L) model. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2016, no. 9, art. no. 044., Registrované v: WOS
399. [1.1] BISWAS, Anirban - CHOUBEY, Sandhya - COVI, Laura - KHAN, Sarif. Explaining the 3.5 keV X-ray line in a $L\mu L\text{-}\tau$ extension of the inert doublet model. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 2, art. no. 002., Registrované v: WOS
400. [1.1] BISWAS, Anirban - CHOUBEY, Sandhya - KHAN, Sarif. Neutrino mass, dark matter and anomalous magnetic moment of muon in a U(1)($L\mu\text{-}L\tau$) model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 9, art. no. 147., Registrované v: WOS
401. [1.1] BISWAS, Anirban. Explaining low energy gamma-ray excess from the galactic centre using a two-component dark matter model. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 5, art.no. 055201., Registrované v: WOS
402. [1.1] BISWAS, Aritra - MANDAL, Sanjoy. New physics in neutral $D \rightarrow VV$ modes. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A.

- ISSN 0217-751X, 2016, vol. 31, no. 34, art. no. 1650180., Registrované v: WOS
 403. [1.1] BISWAS, Aritra - SHAW, Avirup - PATRA, Sunando Kumar. R(D-*(γ)) anomalies in light of a nonminimal universal extra dimension. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 035019., Registrované v: WOS
404. [1.1] BISWAS, A. - GHOSH, D.K. - PATRA, S.K. - SHAW, A. b \rightarrow cl nu anomalies in light of extended scalar sectors. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, JUL 30 2019, vol. 34, no. 21., Registrované v: WOS
405. [1.1] BISWAS, Sanjoy - FREDERIX, Rikkert - GABRIELLI, Emidio - MELE, Barbara. Enhancing the ttH signal through topquark spin polarization effects at the LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 721-726., Registrované v: WOS
406. [1.1] BISWAS, Sanjoy - GABRIELLI, Emidio - HEIKINHEIMO, Matti - MELE, Barbara. Dark-photon searches via ZH production at e(+) e(-) colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 055012., Registrované v: WOS
407. [1.1] BISWAS, Sanjoy - GABRIELLI, Emidio - HEIKINHEIMO, Matti - MELE, Barbara. Higgs-boson production in association with a dark photon in e(+)e(-) collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 102., Registrované v: WOS
408. [1.1] BIZON, Wojciech - MONNI, Pier Francesco - RE, Emanuele - ROTTOLI, Luca - TORRIELLI, Paolo. Momentum-space resummation for transverse observables and the Higgs p perpendicular to at (NLL)-L-3+NNLO. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 108., Registrované v: WOS
409. [1.1] BLAGA, Robert - BUSUIOC, Sergiu. Quantum Larmor radiation in de Sitter spacetime. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 9, art. no. 500., Registrované v: WOS
410. [1.1] BLANKE, Monika - BURAS, Andrzej J. - RECKSIEGEL, Stefan. Quark flavour observables in the Littlest Higgs model with T-parity after LHC Run 1. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, art. no. 182., Registrované v: WOS
411. [1.1] BLENNOW, Mattias - CHOUBEY, Sandhya - OHISSON, Tommy - RAUT, Sushant K. Exploring source and detector non-standard neutrino interactions at ESS nu SB. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art. no. 096., Registrované v: WOS
412. [1.1] BLINOV, Nikita - PROFUMO, Stefano - STEFANIAK, Tim. The electroweak phase transition in the Inert Doublet Model. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2015, no. 7, art. no. 028., Registrované v: WOS
413. [1.1] BLUEMER, Johannes. Searching Dark Matter: The Quest for the Missing Mass. In PRODUCTION YIELD OF MUON-INDUCED NEUTRONS IN LEAD: MEASURED AT THE MODANE UNDERGROUND LABORATORY. ISSN 2190-5053, 2015, pp. 9-75., Registrované v: WOS
414. [1.1] BOFFITO, Daria C. - PATIENCE, Christian A. - PATIENCE, Paul A. - BERTRAND, Francois - PATIENCE, Gregory S. How do you write and present research well? 8 Assign authorship according to intellectual involvement. In CANADIAN JOURNAL OF CHEMICAL ENGINEERING.

- ISSN 0008-4034, 2016, vol. 94, no. 6, pp. 1127-1134., Registrované v: WOS
 415. [1.1] BOGGIA, M. - CRUZ-MARTINEZ, J. M. - FRELLESVIG, H. - GLOVER, N. - GOMEZ-AMBROSIO, R. - GONELLA, G. - HADDAD, Y. - ILNICKA, A. - JONES, S. - KASSABOV, Z. - KRAUSS, F. - MEGY, T. - MELINI, D. - NAPOLETANO, D. - PASSARINO, G. - PATEL, S. - RODRIGUEZ-VAZQUEZ, M. - WOLF, T. The HiggsTools handbook: a beginners guide to decoding the Higgs sector. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 6, art. no. 065004., Registrované v: WOS
416. [1.1] BOJARSKI, F. - CHALONS, G. - LOPEZ-VAL, D. - ROBENS, T. Heavy to light Higgs boson decays at NLO in the singlet extension of the Standard Model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 2, art. no. 147., Registrované v: WOS
417. [1.1] BOMARK, N-E. - MORETTI, S. - MUNIR, S. - ROSZKOWSKI, L. A light NMSSM pseudoscalar Higgs boson at the LHC redux. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 2, art. no. 044., Registrované v: WOS
418. [1.1] BONCIANI, Roberto - JEZO, Tomas - KLASSEN, Michael - LYONNET, Florian - SCHIENBEIN, Ingo. Electroweak top-quark pair production at the LHC with Z' bosons to NLO QCD in POWHEG. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 2, art. no. 141., Registrované v: WOS
419. [1.1] BONCIANI, Roberto - DEL DUCA, Vittorio - FRELLESVIG, Hjalte - HENN, Johannes M. - MORIELLO, Francesco - SMIRNOV, Vladimir A. Next-to-leading order QCD corrections to the decay width $H \rightarrow Z \gamma$. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 8, art. no. 108., Registrované v: WOS
420. [1.1] BONCIANI, R. - DEL DUCA, V. - FRELLESVIG, H. - HENN, J.M. - HIDDING, M. - MAESTRI, L. - MORIELLO, F. - SALVATORI, G. - SMIRNOV, V.A. Evaluating a family of two-loop non-planar master integrals for Higgs plus jet production with full heavy-quark mass dependence. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 21 2020, no. 1., Registrované v: WOS
421. [1.1] BONDU, O. Searches for production of two Higgs bosons using the CMS detector. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 764-770., Registrované v: WOS
422. [1.1] BONILLA, Cesar - ROMAO, Jorge C. - VALLE, Jose W. F. Electroweak breaking and neutrino mass: 'invisible' Higgs decays at the LHC (type II seesaw). In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2016, vol. 18, art. no. 033033., Registrované v: WOS
423. [1.1] BONILLA, Cesar - ROMAO, Jorge C. - VALLE, Jose W. F. Neutrino mass and invisible Higgs decays at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 113015., Registrované v: WOS
424. [1.1] BONILLA, Cesar - SOKOLOWSKA, Dorota - DARVISHI, Neda - LORENZO DIAZ-CRUZ, J. - KRAWCZYK, Maria. IDMS: inert dark matter model with a complex singlet. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 6, art. no. 065001., Registrované v: WOS
425. [1.1] BONILLA, Cesar - VALLE, Jose W. F. Naturally light

neutrinos in Dirac model. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 762, pp. 162-165., Registrované v: WOS

426. [1.1] BONVINI, Marco - MARZANI, Simone. Double Resummation for Higgs Production. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 20, art. no. 202003., Registrované v: WOS

427. [1.1] BONVINI, Marco - MARZANI, Simone - MUSELLI, Claudio - ROTTOLI, Luca. On the Higgs cross section at (NLO)-L-3+(NLL)-L-3 and its uncertainty. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 8, art. no. 105., Registrované v: WOS

428. [1.1] BOOS, Edward E. - BUNICHEV, Viacheslav E. - PERFILOV, Maxim A. - SMOLYAKOV, Mikhail N. - VOLOBUEV, Igor P. Higgs-radion mixing in stabilized brane world models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095010., Registrované v: WOS

429. [1.1] BOOS, E. . E. - BUNICHEV, V. E. - DUBININ, M. N. - ILYIN, V. A. - SAVRIN, V. I. CompHEP: developments and applications. In 4TH COMPUTATIONAL PARTICLE PHYSICS WORKSHOP. ISSN 1742-6588, 2017, vol. 920, art. no. 012007., Registrované v: WOS

430. [1.1] BORAH, Debasish - FUKS, Benjamin - GOSWAMI, Deepanjali - POULOSE, P. Investigating the scalar sector of left-right symmetric models with leptonic probes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035008., Registrované v: WOS

431. [1.1] BORENSTEIN, Jason - SHAMOO, Adil E. Rethinking Authorship in the Era of Collaborative Research. In ACCOUNTABILITY IN RESEARCH-POLICIES AND QUALITY ASSURANCE. ISSN 0898-9621, 2015, vol. 22, no. 5, pp. 267-283., Registrované v: WOS

432. [1.1] BORGMAN, CL. Big Data, Little Data, No Data: Scholarship in the Networked World. In BIG DATA, LITTLE DATA, NO DATA: SCHOLARSHIP IN THE NETWORKED WORLD, 2015, pp. 1-383., Registrované v: WOS

433. [1.1] BORGONOV, L. Physics studies to define the CMS muon detector upgrade for High-Luminosity LHC. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2017, vol. 40, no. 2, art. no. 85., Registrované v: WOS

434. [1.1] BORCHARDT, Julia - GIES, Holger - SONDENHEIMER, Rene. Global flow of the Higgs potential in a Yukawa model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 8, art. no. 472., Registrované v: WOS

435. [1.1] BORNSCHEIN, Lutz - BORNSCHEIN, Beate - STURM, Michael - ROELLIG, Marco - PRIESTER, Florian. STATUS OF THE NEUTRINO MASS EXPERIMENT KATRIN. In FUSION SCIENCE AND TECHNOLOGY. ISSN 1536-1055, 2015, vol. 67, no. 2, pp. 274-277., Registrované v: WOS

436. [1.1] BOROWKA, Sophia - PASSEHR, Sebastian - WEIGLEIN, Georg. Complete two-loop QCD contributions to the lightest Higgs-boson mass in the MSSM with complex parameters. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 7, art. no. 576., Registrované v: WOS

437. [1.1] BOROWKA, S. - GREINER, N. - HEINRICH, G. - JONES, S. P. - KERNER, M. - SCHLENK, J. - ZIRKE, T. Full top quark mass dependence in Higgs boson pair production at NLO. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 10, art. no. 107., Registrované v: WOS

438. [1.1] BOROWKA, S. - HAHN, T. - HEINEMEYER, S. - HEINRICH, G. - HOLLIK, W. Renormalization scheme dependence of the two-loop QCD corrections to the neutral Higgs-boson masses in the MSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 424., Registrované v: WOS
439. [1.1] BOSELLI, Stefano - CALAME, Carlo M. Carloni - MONTAGNA, Guido - NICROSINI, Oreste - PICCININI, Fulvio - SHIVAJI, Ambresh. Higgs decay into four charged leptons in the presence of dimension-six operators. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 1, art. no. 096., Registrované v: WOS
440. [1.1] BOSELLI, Stefano - CALAME, Carlo M. Carloni - MONTAGNA, Guido - NICROSINI, Oreste - PICCININI, Fulvio. Higgs boson decay into four leptons at NLOPS electroweak accuracy. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 023., Registrované v: WOS
441. [1.1] BOSCH, C. Oral contribution Discarding a 125 GeV heavy Higgs in an MSSM model with explicit CP-violation. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 602-607., Registrované v: WOS
442. [1.1] BOTELLA, Francisco J. - BRANCO, G. C. - NEBOT, Miguel - REBELO, M. N. - SILVA-MARCOS, J. I. Vector-like quarks at the origin of light quark masses and mixing. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 6, art. no. 408., Registrované v: WOS
443. [1.1] BOTELLA, Francisco J. - CORNET-GOMEZ, Fernando - NEBOT, Miguel. Flavor conservation in two-Higgs-doublet models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035046., Registrované v: WOS
444. [1.1] BOTELLA, F. J. - BRANCO, G. C. - NEBOT, M. - REBELO, M. N. Flavour-changing Higgs couplings in a class of two Higgs doublet models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 3, art. no. 161., Registrované v: WOS
445. [1.1] BOTHMANN, Enrico - FERRARESE, Piero - KRAUSS, Frank - KUTTIMALAI, Silvan - SCHUMANN, Steffen - THOMPSON, Jennifer. Aspects of perturbative QCD at a 100 TeV future hadron collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 034007., Registrované v: WOS
446. [1.1] BOTHMANN, Enrico - SCHONHERR, Marek - SCHUMANN, Steffen. Reweighting QCD matrix-element and parton-shower calculations. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 11, art. no. 590., Registrované v: WOS
447. [1.1] BOUCENNA, Sofiane M. - VALLE, Jose W. F. - VICENTE, Avelino. Are the B decay anomalies related to neutrino oscillations? In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 750, pp. 367-371., Registrované v: WOS
448. [1.1] BOUCENNA, Sofiane M. - VALLE, Jose W. F. - VICENTE, Avelino. Predicting charged lepton flavor violation from 3-3-1 gauge symmetry. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 053001., Registrované v: WOS
449. [1.1] BOUDJEMA, Fawzi - GUADAGNOLI, Diego - GODBOLE, Rohini M. - MOHAN, Kirtimaan A. Laboratory-frame observables for probing

the top-Higgs boson interaction. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 1, art. no. 015019., Registrované v: WOS

450. [1.1] BOUGHEZAL, Radja - CAOLA, Fabrizio - MELNIKOV, Kirill - PETRIELLO, Frank - SCHULZE, Markus. Higgs Boson Production in Association with a Jet at Next-to-Next-to-Leading Order. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 8, art. no. 082003., Registrované v: WOS

451. [1.1] BOUGHEZAL, Radja - FOCKE, Christfried - LIU, Xiaohui. Jet vetoes versus giant K factors in the exclusive Z+1-jet cross section. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 094002., Registrované v: WOS

452. [1.1] BOUHALI, Othmane. Development of Micro-Pattern Gas Detectors for the Upgrade of the Muon System of the CMS Experiment at the Large Hadron Collider. In FRONTIERS IN THEORETICAL AND APPLIED PHYSICS/UAE 2017 (FTAPS 2017). ISSN 1742-6588, 2017, vol. 869, art. no. 012060., Registrované v: WOS

453. [1.1] BOYARKIN, O. M. - BOYARKINA, G. G. On probing Higgs couplings in $H \rightarrow Z e^{(+)} e^{(-)}$ and $e^{(+)} e^{(-)} \rightarrow ZH$. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 4-5, art. no. 1650005., Registrované v: WOS

454. [1.1] BRAATHEN, J. - KANEMURA, S. On two-loop corrections to the Higgs trilinear coupling in models with extended scalar sectors. In PHYSICS LETTERS B. ISSN 0370-2693, SEP 10 2019, vol. 796, p. 38-46., Registrované v: WOS

455. [1.1] BRANAHL, J. - HARZ, J. - HERRMANN, B. - KLASSEN, M. - KOVARIK, K. - SCHMIEMANN, S. SUSY QCD-corrected and Sommerfeld-enhanced stau annihilation into heavy quarks with scheme and scale uncertainties. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 3 2019, vol. 100, no. 11., Registrované v: WOS

456. [1.1] BRANCHINA, V. - CONTINO, F. - FERREIRA, P. M. Electroweak vacuum lifetime in two Higgs doublet models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 107., Registrované v: WOS

457. [1.1] BRASS, Simon - FLEPER, Christian - KILIAN, Wolfgang - REUTER, Juergen - SEKULLA, Marco. Transversal modes and Higgs bosons in electroweak vector-boson scattering at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 11, art. no. 931., Registrované v: WOS

458. [1.1] BRAVO, Cameron - HAUSER, Jay. BaryoGEN, a Monte Carlo generator for sphaleron-like transitions in proton-proton collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 041., Registrované v: WOS

459. [1.1] BRDAR, V. - EMONDS, Y. - HELMBOLDT, A.J. - LINDNER, M. Conformal realization of the neutrino option. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 12 2019, vol. 99, no. 5., Registrované v: WOS

460. [1.1] BREHMER, Johann - FREITAS, Ayres - LOPEZ-VAL, David - PLEHN, Tilman. Pushing Higgs effective theory to its limits. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075014., Registrované v: WOS

461. [1.1] BREHMER, Johann - KLING, Felix - PLEHN, Tilman - TAIT, Tim M. P. Better Higgs-CP tests through Information geometry. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095017., Registrované v: WOS
462. [1.1] BRIGLIADORI, Luca. Top Quark Mass from the Tevatron and LHC Colliders. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. 05001., Registrované v: WOS
463. [1.1] BRIGNOLE, Andrea. The supersymmetric Higgs boson with flavoured A-terms. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 898, pp. 644-658., Registrované v: WOS
464. [1.1] BRIHAYE, Yves - CISTERNA, Adolfo - HARTMANN, Betti - LUCHINI, Gabriel. From topological to nontopological solitons: Kinks, domain walls, and Q-balls in a scalar field model with a nontrivial vacuum manifold. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 12, art. no. 124061., Registrované v: WOS
465. [1.1] BRIHAYE, Yves - HARTMANN, Betti. Minimal boson stars in 5 dimensions: classical instability and existence of ergoregions. In CLASSICAL AND QUANTUM GRAVITY. ISSN 0264-9381, 2016, vol. 33, no. 6, art. no. 065002., Registrované v: WOS
466. [1.1] BRIHAYE, Yves - HARTMANN, Betti. Critical phenomena of charged Einstein-Gauss-Bonnet black holes with charged scalar hair. In CLASSICAL AND QUANTUM GRAVITY. ISSN 0264-9381, 2018, vol. 35, no. 17, art. no. 175008., Registrované v: WOS
467. [1.1] BRINGMANN, Torsten - GALEA, Ahmad J. - WALIA, Parampreet. Leading QCD corrections for indirect dark matter searches: A fresh look. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 4, art. no. 043529., Registrované v: WOS
468. [1.1] BRIVIO, F. Search for the $H \rightarrow hh \rightarrow bb \tau \tau$ and $A \rightarrow Zh \rightarrow ll \tau \tau$ processes with 8TeV data in CMS. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2017, vol. 40, no. 1., Registrované v: WOS
469. [1.1] BRIVIO, I. - GONZALEZ-FRAILE, J. - GONZALEZ-GARCIA, M. C. - MERLO, L. The complete HEFT Lagrangian after the LHC Run I. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 7, art. no. 416., Registrované v: WOS
470. [1.1] BRIVIO, I. - TROTT, M. The standard model as an effective field theory. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, FEB 27 2019, vol. 793, p. 1-98., Registrované v: WOS
471. [1.1] BROCHET, S. - DELAERE, C. - FRANCOIS, B. - LEMAITRE, V. - MERTENS, A. - SAGGIO, A. - MARONO, M.V. - WERTZ, S. MoMEMta, a modular toolkit for the Matrix Element Method at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 11 2019, vol. 79, no. 2., Registrované v: WOS
472. [1.1] BROUGH, David B. - WHEELER, Daniel - KALIDINDI, Surya R. Materials Knowledge Systems in Python-a Data Science Framework for Accelerated Development of Hierarchical Materials. In INTEGRATING MATERIALS AND MANUFACTURING INNOVATION. ISSN 2193-9764, 2017, vol. 6, no. 1, pp. 36-53., Registrované v: WOS

473. [1.1] BROWER, R. - HASENFRATZ, A. - REBBI, C. - WEINBERG, E. - WITZEL, O. A novel approach to the study of conformality in the SU(3) theory with multiple flavors. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2015, vol. 120, no. 3, pp. 423-427., Registrované v: WOS
474. [1.1] BRUSTEIN, Ram - MEDVED, A. J. M. Teleporting entanglement during black hole evaporation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 10, pp. 1-43., Registrované v: WOS
475. [1.1] BUCKLEY, Matthew R. - FELD, David. Dark matter in leptophilic Higgs models after the LHC run I. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 075024., Registrované v: WOS
476. [1.1] BUCKLEY, Matthew R. - GONCALVES, Dorival. Boosting the Direct CP Measurement of the Higgs-Top Coupling. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 9, art. no. 091801., Registrované v: WOS
477. [1.1] BUCHALLA, Gerhard - CATA, Oscar - KRAUSE, Claudius. A systematic approach to the SILH Lagrangian. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 894, pp. 602-620., Registrované v: WOS
478. [1.1] BUCHALLA, G. - CATA, O. - CELIS, A. - KRAUSE, C. Note on anomalous Higgs-boson couplings in effective field theory. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 750, pp. 298-301., Registrované v: WOS
479. [1.1] BUCHMUELLER, O. - CITRON, M. - ELLIS, J. - GUHA, S. - MARROUCHE, J. - OLIVE, K. A. - DE VRIES, K. - ZHENG, Jiaming. Collider Interplay for Supersymmetry, Higgs and Dark Matter. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 10, art. no. 469., Registrované v: WOS
480. [1.1] BURDMAN, Gustavo - CHACKO, Zackaria - HARNIK, Roni - DE LIMA, Leonardo - VERHAAREN, Christopher B. Colorless top partners, a 125 GeV Higgs boson, and the limits on naturalness. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055007., Registrované v: WOS
481. [1.1] BURDMAN, Gustavo - LICHTENSTEIN, Gabriela. Displaced vertices from hidden glue. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 146., Registrované v: WOS
482. [1.1] BURDMAN, G. - EBOLI, O. J. P. - SPEHLER, D. Signals of two universal extra dimensions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 095004., Registrované v: WOS
483. [1.1] BURGER, Florian - JANSEN, Karl - PETSCHLIES, Marcus - PIENKA, Grit. Leading hadronic contributions to the running of the electroweak coupling constants from lattice QCD. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 11, art. no. 215., Registrované v: WOS
484. [1.1] BUSCHMANN, Malte - GONCALVES, Dorival - KUTTIMALAI, Silvan - SCHOENHERR, Marek - KRAUSS, Frank - PLEHN, Tilman. Mass effects in the Higgs-gluon coupling: boosted vs. off-shell production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 2, art. no. 038., Registrované v: WOS
485. [1.1] BUSONI, Giorgio - DE SIMONE, Andrea - JACQUES, Thomas - MORGANTE, Enrico - RIOTTO, Antonio. Making the most of the relic density for dark matter searches at the LHC 14 TeV Run. In JOURNAL OF

COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2015, no. 3, art. no. 022., Registrované v: WOS

486. [1.1] BUTTER, Anja - EBOLI, Oscar J. P. - GONZALEZ-FRAILE, J. - GONZALEZ-GARCIA, M. C. - PLEHN, Tilman - RAUCH, Michael. The gauge-Higgs legacy of the LHC Run I. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art. no. 152., Registrované v: WOS

487. [1.1] BUYUKDAG, Y. - GHERGHETTA, T. - MILLER, A.S. Predicting the superpartner spectrum from partially composite supersymmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 15 2019, vol. 99, no. 5., Registrované v: WOS

488. [1.1] BUYUKDAG, Y. - GHERGHETTA, T. - MILLER, A.S. Partially composite supersymmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 28 2019, vol. 99, no. 3., Registrované v: WOS

489. [1.1] BYAKTI, Pritibhajan - KHOSA, Charanjit K. - MUMMIDI, V. S. - VEMPATI, Sudhir K. Higgs mass from neutrino-messenger mixing. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 028., Registrované v: WOS

490. [1.1] CABBOLET, Marcoen J. T. F. A category mistake in observational claims regarding ultrashort-lived unstable particles. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2018, vol. 33, no. 38, art. no. 1850227., Registrované v: WOS

491. [1.1] CABRAL-ROSETTI, Luis G. - MONDRAGON, Myriam - REYES-PEREZ, Esteban. Anapole moment of the lightest neutralino in the cMSSM. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 907, pp. 1-17., Registrované v: WOS

492. [1.1] CABRERA, M.E. - CASAS, J.A. - DELGADO, A. - ROBLES, S. Generalized blind spots for dark matter direct detection in the 2HDM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 26 2020, no. 2., Registrované v: WOS

493. [1.1] CABRERA-CATALAN, Maria Eugenia. Indirect and direct detection prospect for TeV dark matter in the nine parameter MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 3, art. no. 035018., Registrované v: WOS

494. [1.1] CACCIAPAGLIA, Giacomo - FERRETTI, Gabriele - FLACKE, Thomas - SERODIO, Hugo. Revealing timid pseudo-scalars with taus at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 724., Registrované v: WOS

495. [1.1] CACCIAPAGLIA, Giacomo - DEANDREA, Aldo - GASCON-SHOTKIN, Suzanne - LE CORRE, Solene - LETHUILLIER, Morgan - TAO, Junquan. Search for a lighter Higgs boson in Two Higgs Doublet Models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 12, art. no. 068., Registrované v: WOS

496. [1.1] CACCIARI, Matte - SALAM, Gavin P. - SOYEZ, Gregory. Use of charged-track information to subtract neutral pileup. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 1, art. no. 014003., Registrované v: WOS

497. [1.1] CACCIARI, Matteo - DREYER, Frederic A. - KARLBERG, Alexander - SALAM, Gavin P. - ZANDERIGHI, Giulia. Fully Differential Vector-Boson-Fusion Higgs Production at Next-to-Next-to-Leading Order. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 8, art. no. 082002., Registrované v: WOS

498. [1.1] CAHILL-ROWLEY, M. - COTTA, R. - DRLICA-WAGNER, A. - FUNK, S. - HEWETT, J. L. - ISMAIL, A. - RIZZO, T. G. - WOOD, M. Complementarity of dark matter searches in the phenomenological MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 5, art. no. 055011., Registrované v: WOS
499. [1.1] CAHILL-ROWLEY, M. - HEWETT, J. L. - ISMAIL, A. - RIZZO, T. G. Lessons and prospects from the pMSSM after LHC Run I. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055002., Registrované v: WOS
500. [1.1] CAI, Yi - CLARKE, Jackson D. - SCHMIDT, Michael A. - VOLKAS, Raymond R. Testing radiative neutrino mass models at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, vol., no. 2, art. no. 161., Registrované v: WOS
501. [1.1] CAI, Yi - SCHMIDT, Michael A. A case study of the sensitivity to LFV operators with precision measurements and the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 2, art. no. 176., Registrované v: WOS
502. [1.1] CAI, Yi - SCHMIDT, Michael A. - VALENCIA, German. Lepton-flavour-violating gluonic operators: constraints from the LHC and low energy experiments. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 143., Registrované v: WOS
503. [1.1] CAI, Yong - DEEN, Rehan - OVRUT, Burt A. - PURVES, Austin. Perturbative reheating in Sneutrino-Higgs cosmology. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 001., Registrované v: WOS
504. [1.1] CAKIR, M.P. - ACARTURK, C. - ALKAN, S. - AKBULUT, U. Multi-authoring and its impact on university rankings: a case study of CERN effect on Turkish universities. In STUDIES IN HIGHER EDUCATION. ISSN 0307-5079, JUN 3 2019, vol. 44, no. 6, p. 1052-1068., Registrované v: WOS
505. [1.1] CALCAGNI, Gianluca. Inflation. In CLASSICAL AND QUANTUM COSMOLOGY. ISSN 1868-4513, 2017, pp. 153-259., Registrované v: WOS
506. [1.1] CALDWELL, A. Aspects of Frequentism. In ANNALEN DER PHYSIK. ISSN 0003-3804, MAR 2019, vol. 531, no. 3, SI., Registrované v: WOS
507. [1.1] CALIBBI, Lorenzo - CRIVELLIN, Andreas - OTA, Toshihiko. Effective Field Theory Approach to $b \rightarrow s l l ((1))$, $B \rightarrow K^{(*)} \nu(\nu)_{\text{over-bar}}$ and $B \rightarrow D^{(*)} \tau \nu$ with Third Generation Couplings. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 18, art. no. 181801., Registrované v: WOS
508. [1.1] CALIBBI, Lorenzo - LI, Tianjun - MUSTAFAYEV, Azar - RAZA, Shabbar. Improving naturalness in gauge mediation with nonunified messenger sectors. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115018., Registrované v: WOS
509. [1.1] CALISKAN, A. - KARA, S. O. - OZANSOY, A. Excited Muon Searches at the FCC-Based Muon-Hadron Colliders. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, art. no. 1540243., Registrované v: WOS
510. [1.1] CALISKAN, A. - KARA, S. O. Single production of the excited electrons in the future FCC-based lepton-hadron colliders. In INTERNATIONAL

JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 24, art. no. 1850141., Registrované v: WOS

511. [1.1] CAMARGO, D.A. - CAMPOS, M.D. - DE MELO, T.B. - QUEIROZ, F.S. A two Higgs doublet model for dark matter and neutrino masses. In PHYSICS LETTERS B. ISSN 0370-2693, AUG 10 2019, vol. 795, p. 319-326., Registrované v: WOS

512. [1.1] CAMARGO, D.A. - DELLE ROSE, L. - MORETTI, S. - QUEIROZ, F.S. Collider bounds on 2-Higgs doublet models with $U(1)(X)$ gauge symmetries. In PHYSICS LETTERS B. ISSN 0370-2693, JUN 10 2019, vol. 793, p. 150-160., Registrované v: WOS

513. [1.1] CAMARGO-MOLINA, Jose Eliel - MORAIS, Antonio P. - PASECHNIK, Roman - WESSEN, Jonas. On a radiative origin of the Standard Model from trinification. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 9, art. no. 129., Registrované v: WOS

514. [1.1] CAMARGO-MOLINA, Jose Eliel - MORAIS, Antonio P. - PASECHNIK, Roman - SAMPAIO, Marco O. P. - WESSEN, Jonas. All one-loop scalar vertices in the effective potential approach. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 8, art. no. 073., Registrované v: WOS

515. [1.1] CAMPANARIO, Francisco - KUBOCZ, Michael. CP-violating Higgs boson production in association with three jets via gluon fusion. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 819-825., Registrované v: WOS

516. [1.1] CAMPANARIO, Francisco - FIGY, Terrance M. - PLAETZER, Simon - RAUCH, Michael - SCHICHEL, Peter - SJODAHL, Malin. Stress testing the vector-boson-fusion approximation in multijet final states. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 033003., Registrované v: WOS

517. [1.1] CAMPBELL, John M. - ELLIS, R. Keith - LI, Ye - WILLIAMS, Ciaran. Predictions for diphoton production at the LHC through NNLO in QCD. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art. no. 148., Registrované v: WOS

518. [1.1] CAMPBELL, John M. - ELLIS, R. Keith - WILLIAMS, Ciaran. Associated production of a Higgs boson at NNLO. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 6, art. no. 179., Registrované v: WOS

519. [1.1] CAMPBELL, Robyn - GODFREY, Stephen - DE LA PUENTE, Alejandro. Dilatonlike Higgs boson with scalar singlet dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075023., Registrované v: WOS

520. [1.1] CAMPOS, Miguel D. - COGOLLO, D. - LINDNER, Manfred - MELO, T. - QUEIROZ, Farinaldo S. - RODEJOHANN, Werner. Neutrino masses and absence of flavor changing interactions in the 2HDM from gauge principles. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 092., Registrované v: WOS

521. [1.1] CANNONI, M. - ELLIS, J. - GOMEZ, M. E. - LOLA, S. - RUIZ DE AUSTRI, R. Supersymmetry searches in GUT models with non-universal scalar masses. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2016, no. 3, art. no. 041., Registrované v: WOS

522. [1.1] CAOLA, Fabrizio - DOWLING, Matthew - MELNIKOV, Kirill - ROENTSCH, Raoul - TANCREDI, Lorenzo. QCD corrections to vector boson pair production in gluon fusion including interference effects with off-shell Higgs at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art. no. 087., Registrované v: WOS
523. [1.1] CAOLA, Fabrizio - FORTE, Stefano - MARZANI, Simone - MUSELLI, Claudio - VITA, Gherardo. The Higgs transverse momentum spectrum with finite quark masses beyond leading order. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 8, art. no. 150., Registrované v: WOS
524. [1.1] CAOLA, Fabrizio - MELNIKOV, Kirill - SCHULZE, Markus. Fiducial cross sections for Higgs boson production in association with a jet at next-to-next-to-leading order in QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 074032., Registrované v: WOS
525. [1.1] CAO, Junjie - GUO, Xiaofei - HE, Yangle - WU, Peiwen - ZHANG, Yang. Diphoton signal of the light Higgs boson in natural NMSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 116001., Registrované v: WOS
526. [1.1] CAO, Junjie - HAN, Chengcheng - REN, Jie - WU, Lei - YANG, Jin-Min - ZHANG, Yang. SUSY effects in Higgs production at high energy $e(+)e(-)$ colliders. In CHINESE PHYSICS C. ISSN 1674-1137, 2016, vol. 40, no. 11, art. no. 113104., Registrované v: WOS
527. [1.1] CAO, Junjie - HE, Yangle - SHANG, Liangliang - SU, Wei - ZHANG, Yang. Natural NMSSM after LHC Run I and the Higgsino dominated dark matter scenario. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 8, art. no. 37., Registrované v: WOS
528. [1.1] CAO, Junjie - SHANG, Liangliang - WU, Peiwen - YANG, Jin Min - ZHANG, Yang. Interpreting the galactic center gamma-ray excess in the NMSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 10, art. no. 030., Registrované v: WOS
529. [1.1] CAO, Junjie - SHANG, Liangliang - YANG, Jin Min - ZHANG, Yang. Explanation of the ATLAS Z-peaked excess in the NMSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 152., Registrované v: WOS
530. [1.1] CAPANO, C. - DENT, T. - HANNA, C. - HENDRY, M. - MESSENGER, C. - HU, Y.M. - VEITCH, J. Systematic errors in estimation of gravitational-wave candidate significance. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 8, art. no. 082002., Registrované v: WOS
531. [1.1] CAPRINI, Chiara - FIGUEROA, Daniel G. Cosmological backgrounds of gravitational waves. In CLASSICAL AND QUANTUM GRAVITY. ISSN 0264-9381, 2018, vol. 35, no. 16, art. no. 16., Registrované v: WOS
532. [1.1] CARCAMO HERNANDEZ, A. E. - LONG, H. N. - VIEN, V. V. A 3-3-1 model with right-handed neutrinos based on the Delta (27) family symmetry. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 074038., Registrované v: WOS
533. [1.1] CARCAMO HERNANDEZ, A. E. - MARTINEZ, R. A predictive 3-3-1 model with A(4) flavor symmetry. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 905, pp. 337-358., Registrované v: WOS
534. [1.1] CARCAMO HERNANDEZ, A. E. - MARTINEZ, R. Fermion

mass and mixing pattern in a minimal T7 flavor 331 model. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 4, art. no. 045003., Registrované v: WOS

535. [1.1] CARCAMO HERNANDEZ, A. E. - RAHMAN, Rakibur. A SUSY SU(6) GUT model with pseudo-Goldstone Higgs doublets. In REVISTA MEXICANA DE FISICA. ISSN 0035-001X, 2016, vol. 62, no. 2, pp. 100-112., Registrované v: WOS

536. [1.1] CARCAMO HERNANDEZ, A. E. - KOVALENKO, Sergey - LONG, H. N. - SCHMIDT, Ivan. A variant of 3-3-1 model for the generation of the SM fermion mass and mixing pattern. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 144., Registrované v: WOS

537. [1.1] CARCAMO HERNANDEZ, A. E. - KOVALENKO, Sergey - SCHMIDT, Ivan. Precision measurements constraints on the number of Higgs doublets. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 095014., Registrované v: WOS

538. [1.1] CARCAMO HERNANDEZ, A. E. - MARTINEZ, R. - NISPERUZA, Jorge. S-3 discrete group as a source of the quark mass and mixing pattern in 331 models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 2, art. no. 72., Registrované v: WOS

539. [1.1] CARCAMO HERNANDEZ, A. E. - MARTINEZ, R. - OCHOA, F. Fermion masses and mixings in the 3-3-1 model with right-handed neutrinos based on the S-3 flavor symmetry. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 11, art. no. 634., Registrované v: WOS

540. [1.1] CARCAMO HERNANDEZ, A. E. - VARZIELAS, I. de Medeiros - NEILL, Nicolas A. Novel Randall-Sundrum model with S-3 flavor symmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 033011., Registrované v: WOS

541. [1.1] CARENA, Marcela - HABER, Howard E. - LOW, Ian - SHAH, Nausheen R. - WAGNER, Carlos E. M. Complementarity between nonstandard Higgs boson searches and precision Higgs boson measurements in the MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 3, art. no. 035003., Registrované v: WOS

542. [1.1] CARENA, Marcela - HUANG, Peisi - ISMAIL, Ahmed - LOW, Ian - SHAH, Nausheen R. - WAGNER, Carlos E. M. Double peak searches for scalar and pseudoscalar resonances at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 115001., Registrované v: WOS

543. [1.1] CARENA, Marcela - LIU, Zhen - RIEMBAU, Marc. Probing the electroweak phase transition via enhanced di-Higgs boson production. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095032., Registrované v: WOS

544. [1.1] CARENA, Marcela - MEGIAS, Eugenio - QUIROS, Mariano - WAGNER, Carlos. R-D(*) in custodial warped space. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 043., Registrované v: WOS

545. [1.1] CARLINI, R.D. - VAN OERS, W.T.H. - PITT, M.L. - SMITH, G.R. Determination of the Proton's Weak Charge and Its Constraints on the Standard Model. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 69. ISSN 0163-8998, 2019, vol. 69, p. 191-217., Registrované v: WOS

546. [1.1] CARPENTER, Linda M. - GOODMAN, Jessica. New calculations in Dirac gaugino models: operators, expansions, and effects. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 7, art. no. 107., Registrované v: WOS
547. [1.1] CARSON, Jason - OKADA, Nobuchika. 125 GeV Higgs boson mass from 5D gauge-Higgs unification. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2018, no. 3, art. no. 033B03., Registrované v: WOS
548. [1.1] CARVALHO, Alexandra - DALL'OSSO, Martino - DORIGO, Tommaso - GOERTZ, Florian - GOTTARDO, Carlo A. - TOSI, Mia. Higgs pair production: choosing benchmarks with cluster analysis. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 126., Registrované v: WOS
549. [1.1] CARVALHO, Alexandra - MORETTI, Stefano - O'BRIEN, Dermot - PANIZZI, Luca - PRAGER, Hugo. Single production of vectorlike quarks with large width at the Large Hadron Collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 015029., Registrované v: WOS
550. [1.1] CASTANEDA, A. A search for beyond the Standard Model physics using a final state with light and boosted muon pairs at the CMS experiment. In FRONTIERS IN THEORETICAL AND APPLIED PHYSICS/UAE 2017 (FTAPS 2017). ISSN 1742-6588, 2017, vol. 869, art. no. 012046., Registrované v: WOS
551. [1.1] CASTILLA-VALDEZ, H. - MOYOTL, A. - PEREZ, M. A. - HONORATO, C. G. Sensitivity of the decay $h \rightarrow ZZ^* \rightarrow Zl$ plus l^- to the Higgs self-coupling through radiative corrections. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055001., Registrované v: WOS
552. [1.1] CASTILLO, Andres - DELGADO, Rafael L. - DOBADO, Antonio - LLANES-ESTRADA, Felipe J. Top-antitop production from $WL+WL$ - and $Z(L)Z(L)$ scattering under a strongly interacting symmetry-breaking sector. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 7, art. no. 436., Registrované v: WOS
553. [1.1] CATANI, Stefano - CIERI, Leandro - DE FLORIAN, Daniel - FERRERA, Giancarlo - GRAZZINI, Massimiliano. Diphoton production at the LHC: a QCD study up to NNLO. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 4, art. no. 142., Registrované v: WOS
554. [1.1] CATA, Oscar - IBARRA, Alejandro - INGENHUETT, Sebastian. Dark matter decay through gravity portals. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035011., Registrované v: WOS
555. [1.1] CATA, Oscar - JUNG, Martin. Signatures of a nonstandard Higgs boson from flavor physics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 5, art. no. 055018., Registrované v: WOS
556. [1.1] CATA, O. - CREWETHER, R.J. - TUNSTALL, L.C. Crawling technicolor. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 8 2019, vol. 100, no. 9., Registrované v: WOS
557. [1.1] CEA, P. Evidence of the true Higgs boson H-T at the LHC Run 2. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, JUN 14 2019, vol. 34, no. 18., Registrované v: WOS
558. [1.1] CELIS, Alejandro. Heavy quarks and tau leptons: New physics opportunities. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2015, vol. 260, pp. 225-228., Registrované v: WOS

559. [1.1] CEN, Jian-Yong - CHEN, Jung-Hsin - HE, Xiao-Gang - SU, Jhih-Ying. Impacts of multi-Higgs on the rho parameter, decays of a neutral Higgs to WW and ZZ, and a charged Higgs to WZ. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 26, art. no. 1850152., Registrované v: WOS
560. [1.1] CEN, J.Y. - CHEN, J.H. - HE, X.G. - LI, G. - SU, J.Y. - WANG, W. Searching for a charged Higgs boson with both $H(+/-)W(+/-)Z$ and $H(+/-)tb$ couplings at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 17 2019, no. 1., Registrované v: WOS
561. [1.1] CERNA-VELAZCO, Nhell - FABER, Thomas - JONES-PEREZ, Joel - POROD, Werner. Constraining sleptons at the LHC in a supersymmetric low-scale seesaw scenario. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 10, art. no. 661., Registrované v: WOS
562. [1.1] CERRI, Olmo - DE GRUTTOLA, Michele - PIERINI, Maurizio - PODO, Alessandro - ROLANDI, Gigi. Study the effect of beam energy spread and detector resolution on the search for Higgs boson decays to invisible particles at a future $e(+)e(-)$ circular collider. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 2, art. no. 116., Registrované v: WOS
563. [1.1] CICI, Ali - KIRCA, Zerrin - UN, Cem Salih. Light stops and fine-tuning in MSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 1, art. no. 60., Registrované v: WOS
564. [1.1] CIERI, L. - CORADESCHI, F. - DE FLORIAN, D. - FIDANZA, N. Transverse-momentum resummation for the signal- background interference in the $H \rightarrow \gamma \gamma$ channel at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 054003., Registrované v: WOS
565. [1.1] CIMINO, R. - BAGLIN, V. - SCHAEFERS, F. Potential Remedies for the High Synchrotron-Radiation-Induced Heat Load for Future Highest-Energy-Proton Circular Colliders. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 26, art. no. 264804., Registrované v: WOS
566. [1.1] CISTERNA, Adolfo - DELSATE, Terence - DUCOBU, Ludovic - RINALDI, Massimiliano. Slowly rotating neutron stars in the nonminimal derivative coupling sector of Horndeski gravity. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 8, art. no. 084046., Registrované v: WOS
567. [1.1] CIUCHINI, Marco - FRANCO, Enrico - MISHIMA, Satoshi - PIERINI, Maurizio - REINA, Laura - SILVESTRINI, Luca. Update of the electroweak precision fit, interplay with Higgs-boson signal strengths and model-independent constraints on new physics. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 2219-2225., Registrované v: WOS
568. [1.1] CLARKE, Jackson D. - FOOT, Robert - VOLKAS, Raymond R. Natural leptogenesis and neutrino masses with two Higgs doublets. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 033006., Registrované v: WOS
569. [1.1] CLARKE, Jackson D. - FOOT, Robert - VOLKAS, Raymond R. Electroweak naturalness in the three-flavor type I seesaw model and implications for leptogenesis. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 7, art. no. UNSP 073009., Registrované v: WOS

570. [1.1] CLEMENS, Will - EVANS, Nick - SCOTT, Marc. Holograms of a dynamical top quark. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 055016., Registrované v: WOS
571. [1.1] CLERBAUX, Barbara. Highlights on searches for supersymmetry and exotic models. In COMPTES RENDUS PHYSIQUE. ISSN 1631-0705, 2015, vol. 16, no. 4, pp. 407-423., Registrované v: WOS
572. [1.1] CLINE, David B. The search for dark matter. In PHYSICA SCRIPTA. ISSN 0031-8949, 2016, vol. 91, no. 3, art. no. 033008., Registrované v: WOS
573. [1.1] COHEN, Timothy - CRAIG, Nathaniel - KNAPEN, Simon. Gauge mediated mini-split. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 103., Registrované v: WOS
574. [1.1] COHEN, Timothy - KEARNEY, John - LUTY, Markus A. Natural supersymmetry without light Higgsinos. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 7, art. no. 075004., Registrované v: WOS
575. [1.1] COLANGELO, Pietro - DE FAZIO, Fulvia - SANTORELLI, Pietro. On exclusive $h \rightarrow V_l^{(+)} l^{(-)}$ decays. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 760, pp. 335-340., Registrované v: WOS
576. [1.1] COLEPPA, Baradhwaj - KUMAR, Mukesh - KUMAR, Satendra - MELLADO, Bruce. Measuring CP nature of top-Higgs couplings at the future Large Hadron electron Collider. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 770, pp. 335-341., Registrované v: WOS
577. [1.1] COLEPPA, Baradhwaj - KUMAR, Satendra - SARKAR, Agnivo. Fermiophobic gauge boson phenomenology in 221 models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095009., Registrované v: WOS
578. [1.1] COLEPPA, Baradhwaj - FUKS, Benjamin - POULOSE, P. - SAHOO, Shibananda. Seeking heavy Higgs bosons through cascade decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075007., Registrované v: WOS
579. [1.1] COLLABORATION, Cms. Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at $\sqrt{s}=8$ TeV using $H \rightarrow WW$ decays. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 032., Registrované v: WOS
580. [1.1] COLLINS, Jack - HOWE, Kiel - NACHMAN, Benjamin. Anomaly Detection for Resonant New Physics with Machine Learning. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 24, art. no. 241803., Registrované v: WOS
581. [1.1] COLLINS, J.H. - HOWE, K. - NACHMAN, B. Extending the search for new resonances with machine learning. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 28 2019, vol. 99, no. 1., Registrované v: WOS
582. [1.1] COLUCCIO LESKOW, Estefania - MARTIN, Travis A. W. - DE LA PUENTE, Alejandro. Vector-like quarks with a scalar triplet. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 743, pp. 366-376., Registrované v: WOS
583. [1.1] CONSOLI, M. - COSMAI, L. Spontaneous Symmetry Breaking and Its Pattern of Scales. In SYMMETRY-BASEL. DEC 2020, vol. 12, no. 12., Registrované v: WOS
584. [1.1] CORADESCHI, F. - DE FLORIAN, D. - DIXON, L. J. - FIDANZA, N. - HOECHE, S. - ITA, H. - LI, Y. - MAZZITELLI, J. Interference

- effects in the $H \rightarrow \gamma\gamma + 2$ jets channel at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 013004., Registrované v: WOS
585. [1.1] CORCELLA, Gennaro - CORIANO, Claudio - COSTANTINI, Antonio - FRAMPTON, Paul H. Bilepton signatures at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 773, pp. 544-552., Registrované v: WOS
586. [1.1] CORDERO, F. Febres - REINA, L. Electroweak gauge-boson production in association with b jets at Hadron Colliders. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 16, art. no. 1530042., Registrované v: WOS
587. [1.1] CORDERO-CID, A. - HERNANDEZ-SANCHEZ, J. - KEUS, V. - KING, S. F. - MORETTI, S. - ROJAS, D. - SOKOLOWSKA, D. CP violating scalar Dark Matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 12., Registrované v: WOS
588. [1.1] CORREIA, F. C. - PLEITEZ, V. Neutral meson mixing induced by box diagrams in the 3-3-1 model with heavy leptons. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 113006., Registrované v: WOS
589. [1.1] COSSU, G. - DEL DEBBIO, L. - PANERO, M. - PRETI, D. Strong dynamics with matter in multiple representations: SU(4) gauge theory with fundamental and sextet fermions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 30 2019, vol. 79, no. 8., Registrované v: WOS
590. [1.1] COSTA, Raul - MUHLLEITNER, Margarete - SAMPAIO, Marco O. P. - SANTOS, Rui. Singlet extensions of the standard model at LHC Run 2: benchmarks and comparison with the NMSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art. no. 034., Registrované v: WOS
591. [1.1] COTTIN, Giovanna - CARLOS HELO, Juan - HIRSCH, Martin. Searches for light sterile neutrinos with multitrack displaced vertices. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055025., Registrované v: WOS
592. [1.1] COUSINS, Robert D. The Jeffreys-Lindley paradox and discovery criteria in high energy physics. In SYNTHESIS. ISSN 0039-7857, 2017, vol. 194, no. 2, pp. 395-432., Registrované v: WOS
593. [1.1] COX, D. R. - KARTSONAKI, Christiana - KEOGH, Ruth H. Big data: Some statistical issues. In STATISTICS & PROBABILITY LETTERS. ISSN 0167-7152, 2018, vol. 136, pp. 111-115., Registrované v: WOS
594. [1.1] CRAIG, Nathaniel - DRAPER, Patrick - KILIC, Can - THOMAS, Scott. Shedding light on diphoton resonances. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115023., Registrované v: WOS
595. [1.1] CRAIG, Nathaniel - GU, Jiayin - LIU, Zhen - WANG, Kechen. Beyond Higgs couplings: probing the Higgs with angular observables at future e^+e^- colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 050., Registrované v: WOS
596. [1.1] CRAIG, Nathaniel - KNAPEN, Simon - LONGHI, Pietro. The Orbifold Higgs. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 3, art. no. 106., Registrované v: WOS
597. [1.1] CRAIG, Nathaniel - KNAPEN, Simon - LONGHI, Pietro.

Neutral Naturalness from Orbifold Higgs Models. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 6, art. no. 061803., Registrované v: WOS

598. [1.1] CRAIG, Nathaniel - LOU, Hou Keong - MCCULLOUGH, Matthew - THALAPILLIL, Arun. The Higgs portal above threshold. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 2, art. no. 127., Registrované v: WOS

599. [1.1] CRAIG, Nathaniel - RENNER, Sophie - SUTHERLAND, Dave. Exploring peaks and valleys in the diphoton spectrum. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075011., Registrované v: WOS

600. [1.1] CRAWFORD, Evan - NORRIS, Ray P. - POLSTERER, Kai. WTF? Discovering the Unexpected in Next-Generation Radio Continuum Surveys. In ASTRONOMICAL DATA ANALYSIS SOFTWARE AND SYSTEMS XXV. ISSN 1050-3390, 2017, vol. 512, pp. 109-112., Registrované v: WOS

601. [1.1] CRIADO, J.C. - KOIVUNEN, N. - RAIDAL, M. - VEERMAE, H. Dark matter of any spin: An effective field theory and applications. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 29 2020, vol. 102, no. 12., Registrované v: WOS

602. [1.1] CRIVELLIN, Andreas - FABISIEWICZ, Zofia - MATERKOWSKA, Weronika - NIERSTE, Ulrich - POKORSKI, Stefan - ROSIEK, Janusz. Lepton flavour violation in the MSSM: exact diagonalization vs mass expansion. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 003., Registrované v: WOS

603. [1.1] CRIVELLIN, Andreas - HOFERICHTER, Martin - PROCURA, Massimiliano - TUNSTALL, Lewis C. Light stops, blind spots, and isospin violation in the MSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 7, art. no. 129., Registrované v: WOS

604. [1.1] CRIVELLIN, Andreas - D'AMBROSIO, Giancarlo - HEECK, Julian. Explaining $h \rightarrow \mu^{+/-} \tau^{+/-}$, $B \rightarrow K^* \mu^{+} \mu^{-}$, and $B \rightarrow K \mu^{+} \mu^{-} / B \rightarrow K e^{+} e^{-}$ in a Two-Higgs-Doublet Model with Gauged $L-\mu-L-\tau$. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 15, art. no. 151801., Registrované v: WOS

605. [1.1] CROON, Djuna - DILLON, Barry M. - HUBER, Stephan J. - SANZ, Veronica. Exploring holographic Composite Higgs models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art. no. 072., Registrované v: WOS

606. [1.1] CRUZ-MARTINEZ, J. - GEHRMANN, T. - GLOVER, E. W. N. - HUSS, A. Second-order QCD effects in Higgs boson production through vector boson fusion. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 781, pp. 672-677., Registrované v: WOS

607. [1.1] CSAKI, Csaba - GROJEAN, Christophe - TERNING, John. Alternatives to an elementary Higgs. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2016, vol. 88, no. 4, art. no. 045001., Registrované v: WOS

608. [1.1] CSAKI, Csaba - MA, Teng - SHU, Jing. Maximally Symmetric Composite Higgs Models. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 13, art. no. 131803., Registrované v: WOS

609. [1.1] CULJAK, Petar - KUMERICKI, Kresimir - PICEK, Ivica. Scotogenic R_{ν} MDMat three-loop level. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 744, pp. 237-243., Registrované v: WOS

610. [1.1] CURTIN, David - ESSIG, Rouven - ZHONG, Yi-Ming. Uncovering light scalars with exotic Higgs decays to $b(b)\overline{b}\mu^{(+)}\mu^{(-)}$. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 025., Registrované v: WOS
611. [1.1] CURTIN, David - SARASWAT, Prashant. Towards a no-lose theorem for naturalness. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055044., Registrované v: WOS
612. [1.1] CURTIN, David - VERHAAREN, Christopher B. Discovering uncolored naturalness in exotic Higgs decays. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 12, art. no. 072., Registrované v: WOS
613. [1.1] DAHIYA, Mamta - DUTTA, Sukanta - ISLAM, Rashidul. Investigating perturbative unitarity in the presence of anomalous couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055013., Registrované v: WOS
614. [1.1] DAIKOKU, Yasuhiro - OKADA, Hiroshi. PeV scale right-handed neutrino dark matter in an S-4 flavor-symmetric extra U(1) model. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 7, art. no. 075009., Registrované v: WOS
615. [1.1] DANG VAN SOA - BUI THI HA GIANG. The effect of the scalar unparticle on the production of Higgs-radion at high energy colliders. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 936, pp. 1-18., Registrované v: WOS
616. [1.1] DARVISHI, N. - PILAFTSIS, A. Quartic coupling unification in the maximally symmetric 2HDM. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 10 2019, vol. 99, no. 11., Registrované v: WOS
617. [1.1] DASGUPTA, A. - KANG, S.K. - POPOV, O. Radiative Dirac neutrino mass, neutrinoless quadruple beta decay, and dark matter in B - L extension of the standard model. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 23 2019, vol. 100, no. 7., Registrované v: WOS
618. [1.1] DASKALAKIS, Georgios. Top Physics at CMS/LHC. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 07051., Registrované v: WOS
619. [1.1] DAS, Arindarn - KONAR, Partha - MAJHI, Swapan. Production of heavy neutrino in next-to-leading order QCD at the LHC and beyond. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 6, art. no. 019., Registrované v: WOS
620. [1.1] DAS, Biswaranjan - MORETTI, Stefano - MUNIR, Shoaib - POULOSE, Poulouse. Two Higgs bosons near 125 GeV in the NMSSM: beyond the narrow width approximation. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 8, art. no. 544., Registrované v: WOS
621. [1.1] DAS, Biswaranjan - MORETTI, Stefano - MUNIR, Shoaib - POULOSE, Poulouse. Quantum interference among heavy NMSSM Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 055020., Registrované v: WOS
622. [1.1] DAS, Dipankar - DEY, Ujjal Kumar - PAL, Palash B. S-3 symmetry and the quark mixing matrix. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 753, pp. 315-318., Registrované v: WOS
623. [1.1] DAS, Dipankar - KUNDU, Anirban - SAHA, Ipsita. Higgs data does not rule out a sequential fourth generation with an extended scalar sector. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 011701.,

Registrované v: WOS

624. [1.1] DAS, Dipankar - SAHA, Ipsita. Cornering variants of the Georgi-Machacek model using Higgs precision data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095010., Registrované v: WOS
625. [1.1] DAS, Dipankar - SAHA, Ipsita. Search for a stable alignment limit in two-Higgs-doublet models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 095024., Registrované v: WOS
626. [1.1] DAS, Dipankar. 2HDM without FCNC: off the beaten tracks. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 8, art. no. 650., Registrované v: WOS
627. [1.1] DAS, D. Dominant production of heavier Higgs bosons through vector boson fusion in the NMSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 24 2019, vol. 99, no. 9., Registrované v: WOS
628. [1.1] DAS, Goutam - DEGRANDE, Celine - HIRSCHI, Valentin - MALTONI, Fabio - SHAO, Hua-Sheng. NLO predictions for the production of a spin-two particle at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 770, pp. 507-513., Registrované v: WOS
629. [1.1] DAS, Goutam - MATHEWS, Prakash. Neutral triple vector boson production in Randall-Sundrum model at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 094034., Registrované v: WOS
630. [1.1] DAS, Kasinath - LI, Tianjun - NANDI, S. - RAI, Santosh Kumar. New signals for vector-like down-type quark in U(1) of E-6. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 1, art. no. 35., Registrované v: WOS
631. [1.1] DAS, Kasinath - RAI, Santosh Kumar. 750 GeV diphoton excess in a U(1) hidden symmetry model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 095007., Registrované v: WOS
632. [1.1] DAS, Siba Prasad - NOWAKOWSKI, Marek. Light neutral CP-even Higgs boson within the next-to-minimal supersymmetric standard model at the Large Hadron Electron Collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 055014., Registrované v: WOS
633. [1.1] DAS, S. P. - HERNANDEZ-SANCHEZ, J. - MORETTI, S. - ROSADO, A. - XOXOCOTZI, R. Flavor violating signatures of lighter and heavier Higgs bosons within the two Higgs doublet model type III at the LHeC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055003., Registrované v: WOS
634. [1.1] DATTA, Amitava - GANGULY, Nabanita - KHAN, Najimuddin - RAKSHIT, Subhendu. Exploring collider signatures of the inert Higgs doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015017., Registrované v: WOS
635. [1.1] DATTA, Anindya - SHAW, Avirup. Effects of nonminimal universal extra dimension on $B \rightarrow X s \gamma$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015033., Registrované v: WOS
636. [1.1] DATTA, A. - GANGULY, N. The past, present and future of the heavier electroweakinos in the light of LHC and other data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 11 2019, no. 1., Registrované v: WOS
637. [1.1] DAUNCEY, P. D. - KENZIE, M. - WARDLE, N. - DAVIES, G. J. Handling uncertainties in background shapes: the discrete profiling method.

In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2015, vol. 10, art. no. P04015., Registrované v: WOS

638. [1.1] DAVID, Andre - HEIKKILA, Jaana - PETRUCCIANI, Giovanni. Searching for degenerate Higgs bosons. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 2, art. no. 49., Registrované v: WOS

639. [1.1] DAVID, H. Publish or perish - perceived benefits versus unintended consequences. In ERGONOMICS. ISSN 0014-0139, DEC 2 2019, vol. 62, no. 12, p. 1630-1631., Registrované v: WOS

640. [1.1] DAVIER, M. Andre Lagarrigue: From cosmic rays to the discovery of the weak neutral currents. In COMPTES RENDUS PHYSIQUE. ISSN 1631-0705, NOV-DEC 2019, vol. 20, no. 7-8, SI, p. 714-724., Registrované v: WOS

641. [1.1] DAWID, Richard. Bayesian perspectives on the discovery of the Higgs particle. In SYNTHESIS. ISSN 0039-7857, 2017, vol. 194, no. 2, pp. 377-394., Registrované v: WOS

642. [1.1] DAWID, Richard. Higgs Discovery and the Look Elsewhere Effect. In PHILOSOPHY OF SCIENCE. ISSN 0031-8248, 2015, vol. 82, no. 1, pp. 76-96., Registrované v: WOS

643. [1.1] DAWSON, S. - ENGLERT, C. - PLEHN, T. Higgs physics: It ain't over till it is over. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, JUL 3 2019, vol. 816, p. 1-85., Registrované v: WOS

644. [1.1] DAY, Francesca - KRIPPENDORF, Sven. Searching for Axion-Like Particles with X-ray Polarimeters. In GALAXIES. ISSN 2075-4434, 2018, vol. 6, no. 2, art. no. 45., Registrované v: WOS

645. [1.1] DE BENEDETTI, Ron - LI, Chuang - LI, Tianjun - LUX, Adam - MAXIN, James A. - NANOPOULOS, Dimitri V. Inspiration from intersecting D-branes: general supersymmetry breaking soft terms in no-scale F-SU(5). In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 11, art. no. 958., Registrované v: WOS

646. [1.1] DE BLAS, Jorge - CIUCHINI, Marco - FRANCO, Enrico - GHOSH, Diptimoy - MISHIMA, Satoshi - PIERINI, Maurizio - REINA, Laura - SILVESTRINI, Luca. Global Bayesian Analysis of the Higgs-boson Couplings. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 834-840., Registrované v: WOS

647. [1.1] DE BLAS, Jorge - EBERHARDT, Otto - KRAUSE, Claudius. Current and future constraints on Higgs couplings in the nonlinear Effective Theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 048., Registrované v: WOS

648. [1.1] DE BLAS, J. - CRIADO, J. C. - PEREZ-VICTORIA, M. - SANTIAGO, J. Effective description of general extensions of the Standard Model: the complete tree-level dictionary. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 109., Registrované v: WOS

649. [1.1] DE BLAS, J. - CHALA, M. - PEREZ-VICTORIA, M. - SANTIAGO, J. Observable effects of general new scalar particles. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 078., Registrované v: WOS

650. [1.1] DE BRUYN, Kristof - FLEISCHER, Robert. A roadmap to control penguin effects in $B-d(0) \rightarrow J/\psi K-S(0)$ and $B-s(0) \rightarrow J/\psi \phi$. In

- JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 3, art. no. 145., Registrované v: WOS
651. [1.1] DE CONTO, G. - MACHADO, A. C. B. - PLEITEZ, V. Minimal 3-3-1 model with a spectator sextet. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 075031., Registrované v: WOS
652. [1.1] DE CURTIS, Stefania - MORETTI, Stefano - YAGYU, Kei - YILDIRIM, Emine. Perturbative unitarity bounds in composite two-Higgs doublet models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055017., Registrované v: WOS
653. [1.1] DE FLORIAN, Daniel - FABRE, Ignacio - MAZZITELLI, Javier. Higgs boson pair production at NNLO in QCD including dimension 6 operators. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 10, art. no. 215., Registrované v: WOS
654. [1.1] DE FLORIAN, Daniel - MAZZITELLI, Javier. Higgs pair production at next-to-next-to-leading logarithmic accuracy at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art. no. 053., Registrované v: WOS
655. [1.1] DE FLORIAN, Daniel - GRAZZINI, Massimiliano - HANGA, Catalin - KALLWEIT, Stefan - LINDERT, Jonas M. - MAIERHOEFER, Philipp - MAZZITELLI, Javier - RATHLEV, Dirk. Differential Higgs boson pair production at next-to-next-to-leading order in QCD. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 9, art. no. 151., Registrované v: WOS
656. [1.1] DE LA MADRID, Rafael. The decay widths, the decay constants, and the branching fractions of a resonant state. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 940, pp. 297-310., Registrované v: WOS
657. [1.1] DE MARTINI, Francesco. The quantum Higgs field and the resolution of the cosmological constant paradox in the Weyl-geometrical Universe. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2017, vol. 15, no. 8, art. no. 1740025., Registrované v: WOS
658. [1.1] DE MARTINI, Francesco. The Higgs field and the resolution of the Cosmological Constant Paradox in the Weyl-geometrical Universe. In PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-503X, 2017, vol. 375, no. 2106, art. no. 20160388., Registrované v: WOS
659. [1.1] DE MARTINI, Francesco. Inflation, the Higgs field and the resolution of the Cosmological Constant Paradox. In 8TH INTERNATIONAL WORKSHOP DICE2016: SPACETIME MATTER QUANTUM MECHANICS. ISSN 1742-6588, 2017, vol. 880, art. no. 012026., Registrované v: WOS
660. [1.1] DE MONCHENAULT, Gautier Hamel. Electroweak Measurements at the LHC. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 67. ISSN 0163-8998, 2017, vol. 67, pp. 19-44., Registrované v: WOS
661. [1.1] DE OLIVEIRA, L. - NACHMAN, B. - PAGANINI, M. Electromagnetic showers beyond shower shapes. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, JAN 21 2020, vol. 951., Registrované v: WOS
662. [1.1] DE ROECK, Albert. The probability of discovery. In

TECHNOLOGICAL FORECASTING AND SOCIAL CHANGE. ISSN 0040-1625, 2016, vol. 112, pp. 13-19., Registrované v: WOS

663. [1.1] DE VRIES, K. J. - BAGNASCHI, E. A. - BUCHMUELLER, O. - CAVANAUGH, R. - CITRON, M. - DE ROECK, A. - DOLAN, M. J. - ELLIS, J. R. - FLAECHER, H. - HEINEMEYER, S. - ISIDORI, G. - MALIK, S. - MARROUCHE, J. - MARTINEZ SANTOS, D. - OLIVE, K. A. - SAKURAI, K. - WEIGLEIN, G. The pMSSM10 after LHC run 1. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 422., Registrované v: WOS

664. [1.1] DEANDREA, Aldo. Bounds for lighter Higgses in extensions of the Standard Model. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC. ISSN 1742-6588, 2017, vol. 878, art. no. 012019., Registrované v: WOS

665. [1.1] DEDES, A. - PARASKEVAS, M. - ROSIEK, J. - SUXHO, K. - TRIFYLLIS, L. The decay $h \rightarrow \gamma \gamma$ in the Standard-Model Effective Field Theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 103., Registrované v: WOS

666. [1.1] DEGRASSI, Giuseppe - GAMBINO, Paolo - GIARDINO, Pier Paolo. The $m(W) m(Z)$ interdependence in the Standard Model: a new scrutiny. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 5, art. no. 154., Registrované v: WOS

667. [1.1] DEGRASSI, Giuseppe - GIARDINO, Pier Paolo - GROBER, Ramona. On the two-loop virtual QCD corrections to Higgs boson pair production in the standard model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 7, art. no. 411., Registrované v: WOS

668. [1.1] DEGRASSI, G. - FEDELE, M. - GIARDINO, P. P. Constraints on the trilinear Higgs self coupling from precision observables. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, art. no. 155., Registrované v: WOS

669. [1.1] DEGRASSI, G. - GIARDINO, P. P. - MATONI, F. - PAGANI, D. Probing the Higgs self coupling via single Higgs production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 12, art. no. 080., Registrované v: WOS

670. [1.1] DEL AGUILA, Francisco - AMETLLER, Lluís - IGNACIO ILLANA, Jose - SANTIAGO, Jose - TALAVERA, Pere - VEGA-MORALES, Roberto. Lepton flavor changing Higgs decays in the lightest Higgs model with T-parity. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 028., Registrované v: WOS

671. [1.1] DEL AGUILA, Francisco - CHALA, Mikael - SANTIAGO, Jose - YAMAMOTO, Yasuhiro. Collider limits on leptophilic interactions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 3, art. no. 059., Registrované v: WOS

672. [1.1] DEL DUCA, Vittorio - DUHR, Claude - SOMOGYI, Gabor - TRAMONTANO, Francesco - TROCASANYI, Zoltan. Higgs boson decay into b-quarks at NNLO accuracy. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 036., Registrované v: WOS

673. [1.1] DELAUNAY, Cedric - OZERI, Roei - PEREZ, Gilad - SOREQ, Yotam. Probing atomic Higgs-like forces at the precision frontier. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 093001., Registrované v: WOS

674. [1.1] DELEPINE, D. - NOVALES-SANCHEZ, H. Interplay between neutrino magnetic moments and CP violating phases in left-right models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095016., Registrované v: WOS
675. [1.1] DELGADO, Antonio - GARCIA-PEPIN, Mateo - OSTDIEK, Bryan - QUIROS, Mariano. Dark matter from the supersymmetric custodial triplet model. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 015011., Registrované v: WOS
676. [1.1] DELGADO, Antonio - GARCIA-PEPIN, Mateo - QUIROS, Mariano - SANTIAGO, Jose - VEGA-MORALES, Roberto. Diphoton and diboson probes of fermiophobic Higgs bosons at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 6, art. no. 042., Registrované v: WOS
677. [1.1] DELGADO, Rafael L. Coupling of $t(\bar{t})$ and gamma gamma with a strongly interacting Electroweak Symmetry Breaking Sector. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. 10001., Registrované v: WOS
678. [1.1] DELGADO, Rafael L. - DOBADO, Antonio - LLANES-ESTRADA, Felipe J. Strongly interacting WLWL, $Z(L)Z(L)$ and hh from unitarized one-loop computations. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 2436-2438., Registrované v: WOS
679. [1.1] DELGADO, Rafael L. - DOBADO, Antonio - LLANES-ESTRADA, Felipe J. Coupling WW, ZZ unitarized amplitudes to gamma gamma in the TeV region. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 4, art. no. 205., Registrované v: WOS
680. [1.1] DELGADO, Rafael L. - DOBADO, Antonio - LLANES-ESTRADA, Felipe J. Unitarity, analyticity, dispersion relations, and resonances in strongly interacting WLWL, $Z(L)Z(L)$, and hh scattering. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 7, art. no. 075017., Registrované v: WOS
681. [1.1] DELLE ROSE, Luigi - MARZO, Carlo - URBANO, Alfredo. On the stability of the electroweak vacuum in the presence of low-scale seesaw models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 12, art. no. 050., Registrované v: WOS
682. [1.1] DEMIDOV, S. V. - GORBUNOV, D. S. - KIRPICHNIKOV, D. V. Split NMSSM with electroweak baryogenesis. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 11, art. no. 148., Registrované v: WOS
683. [1.1] DEMIDOV, S. V. - SOBOLEV, I. V. Lepton flavor-violating decays of the Higgs boson from sgoldstino mixing. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 8, art. no. 030., Registrované v: WOS
684. [1.1] DEMIRCI, M. Associated production of Higgs boson with a photon at electron-positron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 2 2019, vol. 100, no. 7., Registrované v: WOS
685. [1.1] DEMIRCI, M. Precise predictions for charged Higgs boson pair production in photon-photon collisions. In NUCLEAR PHYSICS B. ISSN 0550-3213, DEC 2020, vol. 961., Registrované v: WOS
686. [1.1] DEMIRCI, M. - AHMADOV, A. I. Neutralino pair production

via photon-photon collisions at the ILC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075025., Registrované v: WOS

687. [1.1] DEMIR, Durmus Ali - KARAHAN, Canan Nurhan - KORUTLU, Beste. Higgsed Stueckelberg vector and Higgs quadratic divergence. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 740, pp. 46-50., Registrované v: WOS

688. [1.1] DENISOV, Dmitri - VELLIDIS, Costas. The TOP QUARK, 20 years after its discovery. In PHYSICS TODAY. ISSN 0031-9228, 2015, vol. 68, no. 4, pp. 46-52., Registrované v: WOS

689. [1.1] DENIZLI, H. - OYULMAZ, K.Y. - SENOL, A. Testing for observability of Higgs effective couplings in triphoton production at FCC-hh. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, OCT 2019, vol. 46, no. 10., Registrované v: WOS

690. [1.1] DENNEN, Tristan - WILLIAMS, Ciaran. gamma gamma gamma gamma production at the LHC: An application of $2 > 4$ analytic unitarity. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 5, art. no. 054012., Registrované v: WOS

691. [1.1] DENNER, Ansgar - DITTMAIER, Stefan - KALLWEIT, Stefan - MUECK, Alexander. HAWK 2.0: A Monte Carlo program for Higgs production in vector-boson fusion and Higgs strahlung at hadron colliders. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2015, vol. 195, pp. 161-171., Registrované v: WOS

692. [1.1] DENNER, Ansgar - DITTMAIER, Stefan - LANG, Jean-Nicolas. Renormalization of mixing angles. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 104., Registrované v: WOS

693. [1.1] DENNER, Ansgar - FEGER, Robert. NLO QCD corrections to off-shell top-antitop production with leptonic decays in association with a Higgs boson at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 11, art. no. 209., Registrované v: WOS

694. [1.1] DENNER, Ansgar - JENNICHES, Laura - LANG, Jean-Nicolas - STURM, Christian. Gauge-independent (MS)over-bar renormalization in the 2HDM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 9, art. no. 115., Registrované v: WOS

695. [1.1] DENNER, Ansgar - LANG, Jean-Nicolas - UCCIRATI, Sandro. NLO electroweak corrections in extended Higgs sectors with RECOLA2. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 7, art. no. 087., Registrované v: WOS

696. [1.1] DENNER, Ansgar - LANG, Jean-Nicolas - PELLEN, Mathieu - UCCIRATI, Sandro. Higgs production in association with off-shell top-antitop pairs at NLO EW and QCD at the dLHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 2, art. no. 053., Registrované v: WOS

697. [1.1] DENNER, A. - FEGER, R. - SCHARF, A. Irreducible background and interference effects for Higgs-boson production in association with a top-quark pair. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 008., Registrované v: WOS

698. [1.1] DEPPISCH, Frank F. - GRAF, Lukas - HARZ, Julia - HUANG, Wei-Chih. Neutrinoless double beta decay and the baryon asymmetry of the Universe. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 055029., Registrované v: WOS

699. [1.1] DEPPISCH, Frank F. - DEV, P. S. Bhupal - PILAFTSIS, Apostolos. Neutrinos and collider physics. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, art. no. 075019., Registrované v: WOS
700. [1.1] DERCKES, Daniel - MOORTGAT-PICK, Gudrid - REUTER, Juergen - SHIM, So Young. The fate of the littlest Higgs model with T-parity under 13 TeV LHC data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 049., Registrované v: WOS
701. [1.1] DERCKES, D. - DE VRIES, J. - DREINER, H.K. - WANG, Z.S. R-parity violation and light neutralinos at CODEX-b, FASER, and MATHUSLA. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 27 2019, vol. 99, no. 5., Registrované v: WOS
702. [1.1] DESCOTES-GENON, Sebastien - KOPPENBURG, Patrick. The CKM Parameters. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 67. ISSN 0163-8998, 2017, vol. 67, pp. 97-127., Registrované v: WOS
703. [1.1] DEUTSCHMANN, Nicolas. Higgs production at NLO in the Standard Model Effective Field theory. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC. ISSN 1742-6588, 2017, vol. 878, art. no. 012020., Registrované v: WOS
704. [1.1] DEVASTATO, A. - FARNSWORTH, S. - LIZZI, F. - MARTINETTI, P. Lorentz signature and twisted spectral triples. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 089., Registrované v: WOS
705. [1.1] DEV, P. S. Bhupal - PILAFTSIS, Apostolos. Natural Alignment in the Two Higgs Doublet Model. In FIFTH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES. ISSN 1742-6588, 2017, vol. 873, art. no. 012008., Registrované v: WOS
706. [1.1] DEV, P. S. Bhupal - PILAFTSIS, Apostolos. Natural Standard Model Alignment in the Two Higgs Doublet Model. In 4TH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES (DISCRETE2014). ISSN 1742-6588, 2015, vol. 631, art. no. 012030., Registrované v: WOS
707. [1.1] DEV, P. S. Bhupal - MOHAPATRA, Rabindra N. - ZHANG, Yongchao. Probing the Higgs sector of the minimal Left-Right symmetric model at future hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 174., Registrované v: WOS
708. [1.1] DEY, Ujjal Kumar - JHA, Tapoja. Rare top decays in minimal and nonminimal universal extra dimension models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 056011., Registrované v: WOS
709. [1.1] DEY, Ujjal Kumar - RAYCHAUDHURI, Amitava. KK-number non-conserving decays: Signal of $n=2$ excitations of extra-dimensional models at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 893, pp. 408-419., Registrované v: WOS
710. [1.1] DI CORTONA, Giovanni Grilli. Hunting electroweakinos at future hadron colliders and direct detection experiments. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 5, art. no. 035., Registrované v: WOS
711. [1.1] DI CORTONA, Giovanni Grilli - HARDY, Edward - POWELL, Andrew J. Dirac vs Majorana gauginos at a 100 TeV collider. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 8, art. no. 014.,

Registrované v: WOS

712. [1.1] DI CHIARA, Stefano - FOADI, Roshan - TUOMINEN, Kimmo - TAHTINEN, Sara. Dynamical origin of the electroweak scale and the 125 GeV scalar. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 900, pp.

295-330., Registrované v: WOS

713. [1.1] DI CHIARA, Stefano - MARZOLA, Luca - RAIDAL, Martti. First interpretation of the 750 GeV diphoton resonance at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 095018.,

Registrované v: WOS

714. [1.1] DI LUZIO, Luca - GROBER, Ramona - SPANNOVSKY, Michael. Maxi-size the trilinear Higgs self-coupling: how large could it be? In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 11, art. no. 788., Registrované v: WOS

715. [1.1] DI MARCO, Emanuele. Studies of the Higgs boson spin and parity using the gamma gamma, ZZ, and WW decay channels with the CMS detector. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 746-752., Registrované v: WOS

716. [1.1] DI SALVO, E. - AJALTOUNI, Z. J. Searching for new physics in semi-leptonic baryon decays. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2017, vol. 32, no. 8, art. no. 1750043., Registrované v: WOS

717. [1.1] DI SALVO, E. - FONTANELLI, F. - AJALTOUNI, Z. J. Detailed study of the $\Lambda(b) \rightarrow \Lambda(c) \tau (\nu) \overline{\tau}$ decay. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 29, art. no. 1850169., Registrované v: WOS

718. [1.1] DIAMANTI, Roberta - CABRERA CATALAN, Maria Eugenia - ANDO, Shin'ichiro. Dark matter protohalos in a nine parameter MSSM and implications for direct and indirect detection. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 6, art. no. 065029., Registrované v: WOS

719. [1.1] DIAZ-CRUZ, J. Lorenzo - SALDANA-SALAZAR, Ulises J. Higgs couplings and new signals from Flavon-Higgs mixing effects within multi-scalar models. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 913, pp. 942-963., Registrované v: WOS

720. [1.1] DIAZ-CRUZ, J.L. The Higgs profile in the standard model and beyond. In REVISTA MEXICANA DE FISICA. ISSN 0035-001X, SEP-OCT 2019, vol. 65, no. 5, p. 419-439., Registrované v: WOS

721. [1.1] DICUS, Duane A. - KAO, Chung - REPKO, Wayne W. Interference effects and the use of Higgs boson pair production to study the Higgs trilinear self-coupling. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 093003., Registrované v: WOS

722. [1.1] DICUS, Duane A. - KAO, Chung - REPKO, Wayne W. Self-coupling of the Higgs boson in the processes $pp \rightarrow ZHHH$ plus X and $pp \rightarrow WHHH$ plus X. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 113003., Registrované v: WOS

723. [1.1] DIESSNER, Philip - KALINOWSKI, Jan - KOTLARSKI, Wojciech - STOECKINGER, Dominik. Exploring the Higgs sector of the MRSSM with a light scalar. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 007., Registrované v: WOS

724. [1.1] DILSIZ, Kamuran. Differential QCD Predictions of the W (+/-)+1 Jet for the Large Hadron Collider and Possible Future High Energy Colliders. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN

- 0374-4884, 2018, vol. 73, no. 9, pp. 1240-1246., Registrované v: WOS
725. [1.1] DING, Ran - HAN, Zhi-Long - LIAO, Yi - XIE, Wan-Peng. Radiative neutrino mass with $Z(3)$ dark matter: from relic density to LHC signatures. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 030., Registrované v: WOS
726. [1.1] DING, Ran - HAN, Zhi-Long - HUANG, Li - LIAO, Yi. Phenomenology of colored radiative neutrino mass model and its implications on cosmic-ray observations. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 10, art. no. 103101., Registrované v: WOS
727. [1.1] DING, Ran - LI, Tianjun - STAUB, Florian - TIAN, Chi - ZHU, Bin. Supersymmetric standard models with a pseudo-Dirac gluino from hybrid F- and D-term supersymmetry breaking. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 015008., Registrované v: WOS
728. [1.1] DING, Ran - LI, Tianjun - STAUB, Florian - ZHU, Bin. Supersoft supersymmetry, conformal sequestering, and single scale supersymmetry breaking. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 095028., Registrované v: WOS
729. [1.1] DISSERTORI, Guenther. Introduction to Physics at the High-Energy Frontier. In SEARCH FOR SUPERSYMMETRY IN HADRONIC FINAL STATES: EVOLUTION STUDIES OF THE CMS ELECTROMAGNETIC CALORIMETER. ISSN 2190-5053, 2015, pp. 3-21., Registrované v: WOS
730. [1.1] DJOUADI, Abdelhak - ELLIS, John - GODBOLE, Rohini - QUEVILLON, Jeremie. Future collider signatures of the possible 750 GeV state. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, pp. 1-63., Registrované v: WOS
731. [1.1] DJOUADI, Abdelhak. Implications of the Higgs discovery for supersymmetry. In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, art. no. 03006., Registrované v: WOS
732. [1.1] DJOUADI, A. - MAIANI, L. - POLOSA, A. - QUEVILLON, J. - RIQUER, V. Fully covering the MSSM Higgs sector at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 168., Registrované v: WOS
733. [1.1] DO KIM, Hyung. Radiative electroweak symmetry breaking models. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2015, vol. 263, pp. 67-70., Registrované v: WOS
734. [1.1] DOFF, A. The hardest TC self-energy behavior and radiative corrections in a 331-TC model. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, FEB 20 2019, vol. 34, no. 5., Registrované v: WOS
735. [1.1] DOFF, A. - NATALE, A. A. Schwinger-Dyson approach and its application to generate a light composite scalar. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 7, art. no. 1650024., Registrované v: WOS
736. [1.1] DOFF, A. - NATALE, A. A. Anomalous mass dimensions and Schwinger-Dyson equations boundary condition. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 771, pp. 392-395., Registrované v: WOS
737. [1.1] DOFF, A. - NATALE, A. A. Light composite scalar boson from a see-saw mechanism in two-scale TC models. In PHYSICS LETTERS B. ISSN

- 0370-2693, 2015, vol. 748, pp. 55-60., Registrované v: WOS
738. [1.1] DOFF, A. - NATALE, A.A. Technicolor models with coupled systems of Schwinger-Dyson equations. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 18 2019, vol. 99, no. 5., Registrované v: WOS
739. [1.1] DOFF, A. - SIQUEIRA, Clarissa. Composite Higgs models, Technicolor and the muon anomalous magnetic moment. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 754, pp. 294-301., Registrované v: WOS
740. [1.1] DOLAN, Matthew J. - ENGLERT, Christoph - GREINER, Nicolas - NORDSTROM, Karl - SPANNOVSKY, Michael. hhjj production at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 8, art. no. 387., Registrované v: WOS
741. [1.1] DOLAN, Matthew J. - SPANNOVSKY, Michael - WANG, Qi - YU, Zhao-Huan. Determining the quantum numbers of simplified models in $t\bar{t}$ production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015025., Registrované v: WOS
742. [1.1] DOMCKE, Valerie - SCHMITZ, Kai. Inflation from high-scale supersymmetry breaking. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115025., Registrované v: WOS
743. [1.1] DOMINGO, Florian - DRECHSEL, Peter - PASSEHR, Sebastian. On-shell neutral Higgs bosons in the NMSSM with complex parameters. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 8, art. no. 562., Registrované v: WOS
744. [1.1] DOMINGO, Florian - HEINEMEYER, Sven - KIM, Jong Soo - ROLBIECKI, Krzysztof. The NMSSM lives: with the 750 GeV diphoton excess. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 249., Registrované v: WOS
745. [1.1] DOMINGO, Florian - HEINEMEYER, Sven - PASSEHR, Sebastian - WEIGLEIN, Georg. Decays of the neutral Higgs bosons into SM fermions and gauge bosons in the CP-violating NMSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 11, art. no. 942., Registrované v: WOS
746. [1.1] DOMINGO, Florian - WEIGLEIN, Georg. NMSSM interpretations of the observed Higgs signal. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 195., Registrované v: WOS
747. [1.1] DOMINGO, Florian. A new tool for the study of the CP-violating NMSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 052., Registrované v: WOS
748. [1.1] DOMINGO, Florian. Decays of a NMSSM CP-odd Higgs in the low-mass region. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 052., Registrované v: WOS
749. [1.1] DONG, P.V. - NGAN, N.T.K. - THAM, T.D. - THIEN, L.D. - THUY, N.T. Phenomenology of the simple 3-3-1 model with inert scalars. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 23 2019, vol. 99, no. 9., Registrované v: WOS
750. [1.1] DORDEVIC, Milos. $t\bar{t}H$ production at 13 TeV (CMS). In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 07055., Registrované v: WOS
751. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS

752. [1.1] DORSCH, G. C. - HUBER, S. J. - KONSTANDIN, T. - NO, J. M. A second Higgs doublet in the early universe: baryogenesis and gravitational waves. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2017, no. 5, art. no. 052., Registrované v: WOS
753. [1.1] DORSNER, Ilja - FAJFER, Svjetlana - GRELJO, Admir - KAMENIK, Jernej F. - KOSNIK, Nejc - NISANDZIC, Ivan. New physics models facing lepton flavor violating Higgs decays at the percent level. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 108., Registrované v: WOS
754. [1.1] DORTA-URRA, A. - BARGUENO, P. Homochirality: A Perspective from Fundamental Physics. In SYMMETRY-BASEL. MAY 2019, vol. 11, no. 5., Registrované v: WOS
755. [1.1] DRAGOS, C. GROUPS CAN KNOW HOW. In AMERICAN PHILOSOPHICAL QUARTERLY. ISSN 0003-0481, JUL 2019, vol. 56, no. 3, p. 265-276., Registrované v: WOS
756. [1.1] DRECHSEL, P. - GALETA, L. - HEINEMEYER, S. - WEIGLEIN, G. Precise predictions for the Higgs-boson masses in the NMSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 1, art. no. 42., Registrované v: WOS
757. [1.1] DREINER, Herbi K. - NICKEL, Kilian - STAUB, Florian. On the two-loop corrections to the Higgs mass in trilinear R-parity violation. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 742, pp. 261-265., Registrované v: WOS
758. [1.1] DREMIN, Igor M. Several Effects Unexplained by QCD. In UNIVERSE. ISSN 2218-1997, 2018, vol. 4, no. 5, art. no. 65., Registrované v: WOS
759. [1.1] DREMIN, I. M. Some new discoveries at colliders. In PHYSICS-USPEKHI. ISSN 1063-7869, 2018, vol. 61, no. 4, pp. 381-388., Registrované v: WOS
760. [1.1] DREYER, Frederic A. - KARLBERG, Alexander. Vector-boson fusion Higgs pair production at (NLO)-L-3. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 114016., Registrované v: WOS
761. [1.1] DREYER, Frederic A. - KARLBERG, Alexander. Vector-Boson Fusion Higgs Production at Three Loops in QCD. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 117, no. 7, art. no. 072001., Registrované v: WOS
762. [1.1] DREYER, F.A. - KARLBERG, A. Fully differential vector-boson fusion Higgs pair production at next-to-next-to-leading order. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 29 2019, vol. 99, no. 7., Registrované v: WOS
763. [1.1] DROZD, Aleksandra - ELLIS, John - QUEVILLON, Jeremie - YOU, Tevong. The universal one-loop effective action. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 180., Registrované v: WOS
764. [1.1] DU PREE, Suzan Basegmez. FIRST RUN 2 SEARCHES FOR EXOTICA AT CMS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 6, pp. 1379-1395., Registrované v: WOS
765. [1.1] DUAN, Guang Hua - WU, Lei - ZHENG, Rui. Resonant Higgs pair production as a probe of stop at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 9, art. no. 037., Registrované v:

WOS

766. [1.1] DUARTE, J. - HAN, S. - HARRIS, P. - JINDARIANI, S. - KREINAR, E. - KREIS, B. - NGADIUBA, J. - PIERINI, M. - RIVERA, R. - TRAN, N. - WU, Z. Fast inference of deep neural networks in FPGAs for particle physics. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2018, vol. 13, art. no. P07027., Registrované v: WOS

767. [1.1] DUARTE, Lucia - GONZALEZ-SPRINBERG, Gabriel A. - SAMPAYO, Oscar A. Majorana neutrinos production at LHeC in an effective approach. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 5, art. no. 053007., Registrované v: WOS

768. [1.1] DUBININ, M. N. - PETROVA, E. Yu. - POZDEEVA, E. O. - SUMIN, M. V. - VERNOV, S. Yu. MSSM-inspired multifield inflation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 12, art. no. 036., Registrované v: WOS

769. [1.1] DUBININ, M. N. - PETROVA, E. Yu. - POZDEEVA, E. O. - VERNOV, S. Yu. MSSM inflation and cosmological attractors. In INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS. ISSN 0219-8878, 2018, vol. 15, art. no. 1840001., Registrované v: WOS

770. [1.1] DUBININ, M. N. - PETROVAT, E. Yu. Scenarios with low mass Higgs bosons in the heavy supersymmetry. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 25, art. no. 1850150., Registrované v: WOS

771. [1.1] DUBININ, M. N. - PETROVA, E. Yu. HIGH-TEMPERATURE HIGGS POTENTIAL OF THE TWO-DOUBLET MODEL IN CATASTROPHE THEORY. In THEORETICAL AND MATHEMATICAL PHYSICS. ISSN 0040-5779, 2015, vol. 184, no. 2, pp. 1170-1188., Registrované v: WOS

772. [1.1] DUBININ, M.N. - FEDOTOVA, E.Y. On the Interpretation of the CMS Excess at an Invariant Mass of the Muon Pair of 28 GeV in the Minimal Supersymmetry. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, DEC 2020, vol. 131, no. 6, p. 917-927., Registrované v: WOS

773. [1.1] DUBOVYK, Ievgen - FREITAS, Ayres - GLUZA, Janusz - RIEMANN, Tord - USOVITSCH, Johann. Complete electroweak two-loop corrections to Z boson production and decay. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 86-94., Registrované v: WOS

774. [1.1] DUDAS, Emilian - MAMBRINI, Yann - OLIVE, Keith A. Monochromatic neutrinos generated by dark matter and the seesaw mechanism. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 7, art. no. 075001., Registrované v: WOS

775. [1.1] DUEDE, Eamon - ZHORIN, Victor. Convergence of economic growth and the Great Recession as seen from a Celestial Observatory. In EPJ DATA SCIENCE. ISSN 2193-1127, 2016, vol. 5, art. no. 29., Registrované v: WOS

776. [1.1] DUCH, M. - GRZADKOWSKI, B. - MCGARRIE, M. A stable Higgs portal with vector dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art. no. 162., Registrované v: WOS

777. [1.1] DULAT, Falko - LIONETTI, Simone - MISTLBERGER, Bernhard - PELLONI, Andrea - SPECCHIA, Caterina. Higgs-differential cross section at NNLO in dimensional regularisation. In JOURNAL OF HIGH

ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 7, art. no. 017., Registrované v: WOS

778. [1.1] DULAT, Falko - MISTLBERGER, Bernhard - PELLONI, Andrea. Differential Higgs production at (NLO)-L-3 beyond threshold. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 1, art. no. 145., Registrované v: WOS

779. [1.1] DULAT, F. - MISTLBERGER, B. - PELLONI, A. Precision predictions at (NLO)-L-3 for the Higgs boson rapidity distribution at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 13 2019, vol. 99, no. 3., Registrované v: WOS

780. [1.1] DUMITRU, S. - OVRUT, B.A. - PURVES, A. The R-parity violating decays of charginos and neutralinos in the B-L MSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 19 2019, no. 2., Registrované v: WOS

781. [1.1] DUMONT, Beranger. At Least a Higgs Boson. In HIGGS, SUPERSYMMETRY AND DARK MATTER AFTER RUN I OF THE LHC. ISSN 2190-5053, 2017, pp. 29-151., Registrované v: WOS

782. [1.1] DUMONT, B. - FUKS, B. - KRAML, S. - BEIN, S. - CHALONS, G. - CONTE, E. - KULKARNI, S. - SENGUPTA, D. - WYMANT, C. Toward a public analysis database for LHC new physics searches using MADANALYSIS 5. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 2, art. no. 56., Registrované v: WOS

783. [1.1] DUPUIS, Grace. Collider constraints and prospects of a scalar singlet extension to Higgs portal dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art. no. 008., Registrované v: WOS

784. [1.1] DURIEUX, Gauthier - GU, Jiayin - VRYONIDOU, Eleni - ZHANG, Cen. Probing top-quark couplings indirectly at Higgs factories. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 12, art. no. 123107., Registrované v: WOS

785. [1.1] DURIEUX, Gauthier - MALTONI, Fabio - ZHANG, Cen. Global approach to top-quark flavor-changing interactions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 7, art. no. 074017., Registrované v: WOS

786. [1.1] DUTRA, M. - PIRES, C. A. de S. - RODRIGUES DA SILVA, P. S. Majorana dark matter through a narrow Higgs portal. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art. no. 147., Registrované v: WOS

787. [1.1] DUTTA, Juhi - KONAR, Partha - MONDAL, Subhadeep - MUKHOPADHYAYA, Biswarup - RAI, Santosh Kumar. Search for a compressed supersymmetric spectrum with a light gravitino. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 9, art. no. 026., Registrované v: WOS

788. [1.1] DU, Guangle - LI, Tianjun - NANOPOULOS, D. V. - RAZA, Shabbar. Supernatural MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 2, art. no. 025038., Registrované v: WOS

789. [1.1] DWIVEDI, Siddharth - GHOSH, Dilip Kumar - MUKHOPADHYAYA, Biswarup - SHIVAJI, Ambresh. Constraints on CP-violating gauge-Higgs operators. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095015., Registrované v: WOS

790. [1.1] DWIVEDI, Siddharth - MONDAL, Subhadeep -

- MUKHOPADHYAYA, Biswarup. Exploring anomalous $h(b)\overline{b}$ and $h(b)\overline{b}$ gamma couplings in the context of the LHC and an $e(+)e(-)$ collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015035., Registrované v: WOS
791. [1.1] DWIVEDI, Siddharth - GHOSH, Dilip Kumar - MUKHOPADHYAYA, Biswarup - SHIVAJI, Ambresh. Distinguishing CP-odd couplings of the Higgs boson to weak boson pairs. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115039., Registrované v: WOS
792. [1.1] DYATLOV, I. T. Contribution of heavy fermions to the mechanism of Higgs boson production. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2017, vol. 80, no. 3, pp. 469-472., Registrované v: WOS
793. [1.1] DYATLOV, I. T. Phenomenology of the standard model under conditions of spontaneously broken mirror symmetry. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2017, vol. 80, no. 2, pp. 275-284., Registrované v: WOS
794. [1.1] DYATLOV, I. T. Spontaneous violation of mirror symmetry. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2015, vol. 78, no. 8, pp. 956-962., Registrované v: WOS
795. [1.1] D'ENTERRIA, David. Top-quark and Higgs boson perspectives at heavy-ion colliders. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 237-240., Registrované v: WOS
796. [1.1] EBERL, Helmut - GININA, Elena - HIDAKA, Keisho. Two-body decays of gluino at full one-loop level in the quark-flavour violating MSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 3, art. no. 189., Registrované v: WOS
797. [1.1] EBERL, Helmut - SPANOS, Vassilis C. GravitinoPack and decays of supersymmetric metastable particles. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2016, vol. 202, pp. 310-325., Registrované v: WOS
798. [1.1] EBERL, H. - GININA, E. - BARTL, A. - HIDAKA, K. - MAJEROTTO, W. The decays $h(0) \rightarrow b(b)\overline{b}$ and $h(0) \rightarrow c(c)\overline{c}$ in the light of the MSSM with quark flavour violation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 6, art. no. 143., Registrované v: WOS
799. [1.1] EBERL, H. - HIDAKA, K. - GININA, E. Correlation between the decays $h(0) \rightarrow \gamma \gamma / gg$ in the MSSM with quark flavor violation. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, AUG 10 2019, vol. 34, no. 22., Registrované v: WOS
800. [1.1] EBERT, Markus A. - MICHEL, Johannes K. L. - TACKMANN, Frank J. Resummation improved rapidity spectrum for gluon fusion Higgs production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 5, art. no. 088., Registrované v: WOS
801. [1.1] EBOLI, O. J. P. - GONZALEZ-GARCIA, M. C. Classifying the bosonic quartic couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 093013., Registrované v: WOS
802. [1.1] EDELHAEUSER, Lisa - KNOCHEL, Alexander - STEEGER, Thomas. Applying EFT to Higgs pair production in universal extra dimensions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 11, art. no. 062., Registrované v: WOS

803. [1.1] EFRATI, Aielet - KUFLIK, Eric - NUSSINOV, Shmuel - SOREQ, Yotam - VOLANSKY, Tomer. Constraining the Higgs-dilaton with LHC and dark matter searches. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 5, art. no. 055034., Registrované v: WOS
804. [1.1] EICHHORN, Astrid - GIES, Holger - JAECKEL, Joerg - PLEHN, Tilman - SCHERER, Michael M. - SONDENHEIMER, Rene. The Higgs mass and the scale of new physics. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 022., Registrované v: WOS
805. [1.1] EICHHORN, A. An Asymptotically Safe Guide to Quantum Gravity and Matter. In FRONTIERS IN ASTRONOMY AND SPACE SCIENCES. ISSN 2296-987X, JAN 22 2019, vol. 5., Registrované v: WOS
806. [1.1] EICHTEEN, E.J. - QUIGG, C. Mesons with beauty and charm: New horizons in spectroscopy. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 28 2019, vol. 99, no. 5., Registrované v: WOS
807. [1.1] ELANDER, Daniel - LAWRENCE, Robert - PIAI, Maurizio. Hyperscaling violation and electroweak symmetry breaking. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 897, pp. 583-611., Registrované v: WOS
808. [1.1] ELANDER, Daniel - PIAI, Maurizio. Calculable mass hierarchies and a light dilaton from gravity duals. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 772, pp. 110-114., Registrované v: WOS
809. [1.1] ELANDER, Daniel. Light scalar from deformations of the Klebanov-Strassler background. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 12, art. no. 126012., Registrované v: WOS
810. [1.1] ELLIS, John - ELLIS, Sebastian A. R. - QUEVILLON, Jeremie - SANZ, Veronica - YOU, Tevong. On the interpretation of a possible similar to 750 GeV particle decaying into gamma gamma. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 176., Registrované v: WOS
811. [1.1] ELLIS, John - EVANS, Jason L. - MUSTAFAYEV, Azar - NAGATA, Natsumi - OLIVE, Keith A. The super-GUT CMSSM revisited. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 11, art. no. 592., Registrované v: WOS
812. [1.1] ELLIS, John - GARCIA, Marcos A. G. - NANOPOULOS, Dimitri V. - OLIVE, Keith A. No-scale inflation. In CLASSICAL AND QUANTUM GRAVITY. ISSN 0264-9381, 2016, vol. 33, no. 9, art. no. 094001., Registrované v: WOS
813. [1.1] ELLIS, John - SAKURAI, Kazuki - SPANNOWSKY, Michael. Search for sphalerons: Ice Cube vs. LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 085., Registrované v: WOS
814. [1.1] ELLIS, John - SANZ, Veronica - YOU, Tevong. The effective Standard Model after LHC Run I. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 3, art. no. 157., Registrované v: WOS
815. [1.1] ELLIS, John. Discrete Glimpses. In 4TH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES (DISCRETE2014). ISSN 1742-6588, 2015, vol. 631, art. no. 012001., Registrované v: WOS
816. [1.1] ELLIS, Sebastian A. R. - WELLS, James D. High-scale supersymmetry, the Higgs boson mass, and gauge unification. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 055024.,

Registrované v: WOS

817. [1.1] ELLWANGER, Ulrich - RODRIGUEZ-VAZQUEZ, Matias. Discovery prospects of a light scalar in the NMSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 2, art. no. 096., Registrované v: WOS

818. [1.1] EL-NABULSI, Rami Ahmad. A Gauss-Bonnet Cosmology with an Effective Time-Dependent Scalar Potential. In ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES. ISSN 0932-0784, 2017, vol. 72, no. 5, pp. 401-407., Registrované v: WOS

819. [1.1] EMAMI-RAZAVI, Mohsen - ASGARY, Somayeh. Study of virtual annihilation and retardation effects in relativistic two-, four-, and six-body wave equations in scalar QFT. In JOURNAL OF THEORETICAL AND APPLIED PHYSICS. ISSN 2251-7227, 2017, vol. 11, no. 4, pp. 249-262., Registrované v: WOS

820. [1.1] EMA, Yohei - JINNO, Ryusuke - MUKAIDA, Kyohei - NAKAYAMA, Kazunori. Particle production after inflation with non-minimal derivative coupling to gravity. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2015, no. 10, art. no. 020., Registrované v: WOS

821. [1.1] EMA, Yohei - MUKAIDA, Kyohei - NAKAYAMA, Kazunori. Electroweak vacuum stabilized by moduli during/after inflation. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 761, pp. 419-423., Registrované v: WOS

822. [1.1] EMMANUEL-COSTA, D. - OGREID, M. - OSLAND, P. - REBELO, M. N. Spontaneous symmetry breaking in three-Higgs-doublet S-3-symmetric models. In FIFTH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES. ISSN 1742-6588, 2017, vol. 873, art. no. 012007., Registrované v: WOS

823. [1.1] ENBERG, Rikard - KLEMM, William - MORETTI, Stefano - MUNIR, Shoaib - WOUDA, Glenn. Charged Higgs boson in the $W^{+/-}$ Higgs channel at the Large Hadron Collider. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 893, pp. 420-442., Registrované v: WOS

824. [1.1] ENBERG, Rikard - RATHSMAN, Johan - WOUDA, Glenn. Higgs phenomenology in the stealth doublet model. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 095002., Registrované v: WOS

825. [1.1] ENBERG, R. - KLEMM, W. - MORETTI, S. - MUNIR, S. Electroweak production of multiple (pseudo)scalars in the 2HDM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 15 2019, vol. 79, no. 6., Registrované v: WOS

826. [1.1] ENDO, Kazuhiro - ISHIWATA, Koji. Direct detection of singlet dark matter in classically scale-invariant standard model. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 749, pp. 583-588., Registrované v: WOS

827. [1.1] ENDO, K. - SUMINO, Y. A scale-invariant Higgs sector and structure of the vacuum. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 5, art. no. 030., Registrované v: WOS

828. [1.1] ENDO, Motoi - MOROI, Takeo - NOJIRI, Mihoko M. Footprints of supersymmetry on Higgs decay. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 176., Registrované v: WOS

829. [1.1] ENGELN, I. - MUHLLEITNER, M. - WITTBRODT, J.

N2HDECAY: Higgs boson decays in the different phases of the N2HDM. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, JAN 2019, vol. 234, p. 256-262., Registrované v: WOS

830. [1.1] ENGLERT, Christoph - MATTELAER, Olivier - SPANNOVSKY, Michael. Measuring the Higgs-bottom coupling in weak boson fusion. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 756, pp. 103-108., Registrované v: WOS

831. [1.1] ENGLERT, Christoph - ROSENFELD, Rogerio - SPANNOVSKY, Michael - TONERO, Alberto. New physics and signal-background interference in associated $pp \rightarrow HZ$ production. In EPL. ISSN 0295-5075, 2016, vol. 114, no. 3, art. no. 31001., Registrované v: WOS

832. [1.1] ENGLERT, Christoph - LI, Qiang - SPANNOVSKY, Michael - WANG, Mengmeng - WANG, Lei. $W^{+/-} W^{+/-} H$ production at the HL-LHC and a 100 TeV pp-collider. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 18, art. no. 1750106., Registrované v: WOS

833. [1.1] ENGLERT, Christoph - HARRIS, Philip - SPANNOVSKY, Michael - TAKEUCHI, Michihisa. Unitarity-controlled resonances after the Higgs boson discovery. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 013003., Registrované v: WOS

834. [1.1] ENGLERT, Christoph - SOREQ, Yotam - SPANNOVSKY, Michael. Off-shell Higgs coupling measurements in BSM scenarios. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 5, art. no. 145., Registrované v: WOS

835. [1.1] ENGLERT, Christoph - LOW, Ian - SPANNOVSKY, Michael. On-shell interference effects in Higgs boson final states. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 7, art. no. 074029., Registrované v: WOS

836. [1.1] ENGLERT, Christoph - KRAUSS, Frank - SPANNOVSKY, Michael - THOMPSON, Jennifer M. Di-Higgs phenomenology in $t(t)\text{over-bar}hh$: The forgotten channel. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 743, pp. 93-97., Registrované v: WOS

837. [1.1] ENGLERT, Christoph - SPANNOVSKY, Michael. Effective theories and measurements at colliders. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 740, pp. 8-15., Registrované v: WOS

838. [1.1] ENNADIFI, Salah Eddine. On Neutrino Masses and Source of Dark Energy. In MOSCOW UNIVERSITY PHYSICS BULLETIN. ISSN 0027-1349, 2017, vol. 72, no. 3, pp. 271-273., Registrované v: WOS

839. [1.1] ENNADIFI, Salah Eddine. ON THE D-BRANES STANDARD-LIKE MODELS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 1, pp. 13-21., Registrované v: WOS

840. [1.1] ENQVIST, Kari - KARCIAUSKAS, Mindaugas - LEBEDEV, Oleg - RUSAK, Stanislav - ZATTA, Marco. Postinflationary vacuum instability and Higgs-inflaton couplings. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2016, no. 11, art. no. 025., Registrované v: WOS

841. [1.1] ERICKCEK, Adrienne L. - GHOSH, Tathagata - NEWSTEAD, Jayden L. - SERCE, Hasan. A Summary of the CETUP*2016 Dark Matter Workshop Discussion Sessions. In WORKSHOP ON NEUTRINO PHYSICS AND UNIFICATION, NEAR DETECTOR PHYSICS AND DARK MATTER

- (CETUP* 2016). ISSN 0094-243X, 2017, vol. 1900, art. no. 040010.,
 Registrované v: WOS
842. [1.1] ERICKSON, Richard A. - FIENEN, Michael N. - MCCALLA, S. Grace - WEISER, Emily L. - BOWER, Melvin L. - KNUDSON, Jonathan M. - THAIN, Greg. Wrangling distributed computing for high- throughput environmental science: An introduction to HTCondor. In PLOS COMPUTATIONAL BIOLOGY, 2018, vol. 14, no. 10, art. no. e1006468.,
 Registrované v: WOS
843. [1.1] ESCH, Sonja - KLASSEN, Michael - YAGUNA, Carlos E. A singlet doublet dark matter model with radiative neutrino masses. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 055.,
 Registrované v: WOS
844. [1.1] ESPINOSA, Jose R. - GROJEAN, Christophe. Implications of the Higgs boson discovery. In COMPTES RENDUS PHYSIQUE. ISSN 1631-0705, 2015, vol. 16, no. 4, pp. 394-406., Registrované v: WOS
845. [1.1] ESPINOSA, Jose R. - FORTIN, Jean-Francois - TREPANIER, Maxime. Consistency of scalar potentials from quantum de Sitter space. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 12, art. no. 124067., Registrované v: WOS
846. [1.1] ESPINOSA, J. R. Cosmological implications of Higgs near-criticality. In PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-503X, 2018, vol. 376, no. 2114, art. no. 20170118.,
 Registrované v: WOS
847. [1.1] ESPINOSA, J. R. - GARNY, M. - KONSTANDIN, T. - RIOTTO, A. Gauge-independent scales related to the standard model vacuum instability. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 056004., Registrované v: WOS
848. [1.1] ESPINOSA, J. R. - GARNY, M. - KONSTANDIN, T. Interplay of infrared divergences and gauge dependence of the effective potential. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055026.,
 Registrované v: WOS
849. [1.1] ESPINOZA, C. - GARCES, E.A. - MONDRAGON, M. - REYES-GONZALEZ, H. The S3 symmetric model with a dark scalar. In PHYSICS LETTERS B. ISSN 0370-2693, JAN 10 2019, vol. 788, p. 185-191.,
 Registrované v: WOS
850. [1.1] ESSIG, Rouven - MEADE, Patrick - RAMANI, Harikrishnan - ZHONG, Yi-Ming. Higgs-precision constraints on colored naturalness. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 9, art. no. 085., Registrované v: WOS
851. [1.1] ESTEVES, Jonathan. Understanding the Higgs boson with the Large Hadron Electron Collider. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP (HEPPW2015). ISSN 1742-6588, 2015, vol. 645, art. no. UNSP 012009., Registrované v: WOS
852. [1.1] ETESAMI, Seyed Mohsen - NAJAFABADI, Mojtaba Mohammadi. Double Higgs boson production with a jet substructure analysis to probe extra dimensions. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 073013., Registrované v: WOS
853. [1.1] ETESAMI, S.M. - ROKNABADI, E.D. Probing the nonstandard top-gluon couplings through $t(\bar{t}) \rightarrow \gamma \gamma$ production at the LHC.

In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 17 2019, vol. 100, no. 1.,
 Registrované v: WOS

854. [1.1] ETO, Minoru - KURACHI, Masafumi - NITTA, Muneto.
 Constraints on two Higgs doublet models from domain walls. In PHYSICS
 LETTERS B. ISSN 0370-2693, 2018, vol. 785, pp. 447-453., Registrované v:
 WOS

855. [1.1] ETO, Minoru - KURACHI, Masafumi - NITTA, Muneto.
 Non-Abelian strings and domain walls in two Higgs doublet models. In
 JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art.
 no. 195., Registrované v: WOS

856. [1.1] ETTEFAGHI, M. M. - MOAZZEMI, R. Analyzing of singlet
 fermionic dark matter via the updated direct detection data. In EUROPEAN
 PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 5, art. no. 343.,
 Registrované v: WOS

857. [1.1] EVANS, Jared A. Detecting hidden particles with MATHUSLA.
 In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no.
 055046., Registrované v: WOS

858. [1.1] EVANS, Jared A. - SHIH, David - THALAPILLIL, Arun.
 Chiral flavor violation from extended gauge mediation. In JOURNAL OF HIGH
 ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 7, art. no. 040., Registrované v:
 WOS

859. [1.1] EVANS, Jason L. - IBE, Masahiro - OLIVE, Keith A. -
 YANAGIDA, Tsutomu T. Light Higgsinos in pure gravity mediation. In
 PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055008.,
 Registrované v: WOS

860. [1.1] EVANS, Jason L. - NAGATA, Natsumi - OLIVE, Keith A. c
 SU(5) grand unification in pure gravity mediation. In PHYSICAL REVIEW D.
 ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055027., Registrované v: WOS

861. [1.1] EVERETT, Lisa L. - GARON, Todd S. Flavored gauge
 mediation with discrete non-Abelian symmetries. In PHYSICAL REVIEW D.
 ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095028., Registrované v: WOS

862. [1.1] EVERETT, L.L. - GARON, T.S. - ROCK, A.B. Sizable stop
 mixing in flavored gauge mediation models with discrete non-Abelian
 symmetries. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 26 2019, vol.
 100, no. 1., Registrované v: WOS

863. [1.1] EZQUIAGA, Jose Maria - GARCIA-BELLIDO, Juan -
 ZUMALACARREGUI, Miguel. Towards the most general scalar-tensor theories
 of gravity: A unified approach in the language of differential forms. In
 PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 2, art. no. 024005.,
 Registrované v: WOS

864. [1.1] FAH, Daniel - GREINER, Nicolas. Diphoton production in
 association with two bottom jets. In EUROPEAN PHYSICAL JOURNAL C.
 ISSN 1434-6044, 2017, vol. 77, no. 11, art. no. 750., Registrované v: WOS

865. [1.1] FALKOWSKI, Adam - RIVA, Francesco. Model-independent
 precision constraints on dimension-6 operators. In JOURNAL OF HIGH
 ENERGY PHYSICS. ISSN 1029-8479, 2015, vol., no. 2, pp. 1-22., Registrované
 v: WOS

866. [1.1] FALKOWSKI, Adam. Effective field theory approach to LHC
 Higgs data. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2016,
 vol. 87, no. 3, art. no. 39., Registrované v: WOS

867. [1.1] FALTOVA, Jana. STANDARD MODEL HIGGS RESULTS FROM ATLAS AND CMS EXPERIMENTS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 6, pp. 1459-1471., Registrované v: WOS
868. [1.1] FARIBORZ, Amir H. - JORA, Renata. A SOLUTION TO THE NATURALNESS PROBLEM. In ROMANIAN JOURNAL OF PHYSICS. ISSN 1221-146X, 2017, vol. 62, no. 3-4, art. no. 106., Registrované v: WOS
869. [1.1] FARNES, J. S. A unifying theory of dark energy and dark matter: Negative masses and matter creation within a modified Lambda CDM framework. In ASTRONOMY & ASTROPHYSICS. ISSN 1432-0746, 2018, vol. 620, art. no. A92., Registrované v: WOS
870. [1.1] FARZINNIA, Arsham - KOUWN, Seyen. Classically scale invariant inflation, supermassive WIMPs, and adimensional gravity. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 6, art. no. 063528., Registrované v: WOS
871. [1.1] FARZINNIA, Arsham. Prospects for discovering the Higgs-like pseudo-Nambu-Goldstone boson of the classical scale symmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 095012., Registrované v: WOS
872. [1.1] FAYET, Pierre. The light U boson as the mediator of a new force, coupled to a combination of Q, B, L and dark matter. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 1, art. no. 53., Registrované v: WOS
873. [1.1] FEDDERKE, Michael A. - LIN, Tongyan - WANG, Lian-Tao. Probing the fermionic Higgs portal at lepton colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 160., Registrované v: WOS
874. [1.1] FELDMANN, Thorsten - LUHN, Christoph - MOCH, Paul. Lepton-flavour violation in a Pati-Salam model with gauged flavour symmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 11, art. no. 078., Registrované v: WOS
875. [1.1] FELIX-BELTRAN, O. - GONZALEZ-CANALES, F. - HERNANDEZ-SANCHEZ, J. - MORETTI, S. - NORIEGA-PAPAQUI, R. - ROSADO, A. Analysis of the quark sector in the 2HDM with a four-zero Yukawa texture using the most recent data on the CKM matrix. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 742, pp. 347-352., Registrované v: WOS
876. [1.1] FENG, Jonathan L. - GALON, Iftah - KLING, Felix - TROJANOWSKI, Sebastian. Dark Higgs bosons at the ForwArd Search Experiment. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055034., Registrované v: WOS
877. [1.1] FENG, Lei - PROFUMO, Stefano - UBALDI, Lorenzo. Closing in on singlet scalar dark matter: LUX, invisible Higgs decays and gamma-ray lines. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 3, art. no. 045., Registrované v: WOS
878. [1.1] FERNANDEZ-DEL-CASTILLO, Enol - SCARDACI, Diego - LOPEZ GARCIA, Alvaro. The EGI Federated Cloud e-Infrastructure. In 1ST INTERNATIONAL CONFERENCE ON CLOUD FORWARD: FROM DISTRIBUTED TO COMPLETE COMPUTING. ISSN 1877-0509, 2015, vol. 68, pp. 196-205., Registrované v: WOS
879. [1.1] FERNANDEZ-TEJEROI, J. - ULLAN, M. - FLETA, C. -

QUIRION, D. Technological Solutions for Large Area Microstrip Radiation Silicon Sensors for the LHC Upgrade. In 2017 SPANISH CONFERENCE ON ELECTRON DEVICES (CDE). ISSN 2163-4971, 2017., Registrované v: WOS

880. [1.1] FERRARA, Sergio - SAGNOTTI, Augusto. Supergravity at 40: Reflections and Perspectives. In FIFTH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES. ISSN 1742-6588, 2017, vol. 873, art. no. 012014., Registrované v: WOS

881. [1.1] FERRARA, S. - KEHAGIAS, A. - SAGNOTTI, A. Cosmology and supergravity. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 25, art. no. 1630044., Registrované v: WOS

882. [1.1] FERRARA, S. - SAGNOTTI, A. Supergravity at 40: Reflections and perspectives. In RIVISTA DEL NUOVO CIMENTO. ISSN 0393-697X, 2017, vol. 40, no. 6, pp. 279-295., Registrované v: WOS

883. [1.1] FERREIRA, Felipe - FUKS, Benjamin - SANZ, Veronica - SENGUPTA, Dipan. Probing CP-violating Higgs and gauge-boson couplings in the Standard Model effective field theory. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 10, art. no. 675., Registrované v: WOS

884. [1.1] FERREIRA, J. G. - PIRES, C. A. de S. - DA SILVA, P. S. Rodrigues - SIQUEIRA, Clarissa. On the Higgs-like boson in the minimal supersymmetric 3-3-1 model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 225., Registrované v: WOS

885. [1.1] FERREIRA, Pedro M. - LIEBLER, Stefan - WITTBRODT, Jonas. $pp \rightarrow A \rightarrow Z h$ and the wrong-sign limit of the two-Higgs-doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055008., Registrované v: WOS

886. [1.1] FERREIRA, P. M. Vacuum structure of the Higgs complex singlet-doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 096011., Registrované v: WOS

887. [1.1] FERREIRA, P. M. - HABER, Howard E. - SANTOS, Edward. Preserving the validity of the two-Higgs-doublet model up to the Planck scale. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 033003., Registrované v: WOS

888. [1.1] FERREIRA, P. M. - SWIEZEWSKA, Bogumila. One-loop contributions to neutral minima in the inert doublet model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 099., Registrované v: WOS

889. [1.1] FERRERA, Giancarlo - PIRES, Joao. Transverse-momentum resummation for Higgs boson pair production at the LHC with top-quark mass effects. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 2, art. no. 139., Registrované v: WOS

890. [1.1] FERRERA, Giancarlo - SOMOGYI, Gabor - TRAMONTANO, Francesco. Associated production of a Higgs boson decaying into bottom quarks at the LHC in full NNLO QCD. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 780, pp. 346-351., Registrované v: WOS

891. [1.1] FERRERA, Giancarlo - GRAZZINI, Massimiliano - TRAMONTANO, Francesco. Associated ZH production at hadron colliders: The fully differential NNLO QCD calculation. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 740, pp. 51-55., Registrované v: WOS

892. [1.1] FERRETTI, Gabriele. Gauge theories of partial compositeness: scenarios for Run-II of the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 6, art. no. 107., Registrované v: WOS
893. [1.1] FIELD, J. H. A comparison of direct and indirect determinations of the masses of the Higgs Boson and the top quark. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 10, art. no. 103001., Registrované v: WOS
894. [1.1] FIGUEROA, Daniel G. - GARCIA-BELLIDO, Juan - TORRENTI, Francisco. Decay of the standard model Higgs field after inflation. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 8, art. no. 083511., Registrované v: WOS
895. [1.1] FIGUEROA, Daniel G. - GARCIA-BELLIDO, Juan - TORRENTI, Francisco. Gravitational wave production from the decay of the standard model Higgs field after inflation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 10, art. no. 103521., Registrované v: WOS
896. [1.1] FICHET, Sylvain - MOREAU, Gregory. Anatomy of the Higgs fits: A first guide to statistical treatments of the theoretical uncertainties. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 905, pp. 391-446., Registrované v: WOS
897. [1.1] FICHET, Sylvain - TONERO, Alberto - TELES, Patricia Rebello. Sharpening the shape analysis for higher-dimensional operator searches. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 036003., Registrované v: WOS
898. [1.1] FICHET, Sylvain - VON GERSDORFF, Gero - PONTON, Eduardo - ROSENFELD, Rogerio. The global Higgs as a signal for compositeness at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 1, art. no. 012., Registrované v: WOS
899. [1.1] FINK, Simon. Search for $H \rightarrow b(\bar{b})$ in association with single top quarks as a test of Higgs boson couplings. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 2445-2447., Registrované v: WOS
900. [1.1] FINLAY, P. - BREITENFELDT, M. - POROBIC, T. - WURSTEN, E. - BAN, G. - BECK, M. - COURATIN, C. - FABIAN, X. - FLECHARD, X. - FRIEDAG, P. - GLUECK, F. - HERLERT, A. - KNECHT, A. - KOZLOV, V. Y. - LIENARD, E. - SOTI, G. - TANDECKI, M. - TRAYKOV, E. - VAN GORP, S. - WEINHEIMER, Ch. - ZAKOUCY, D. - SEVERIJNS, N. First high-statistics and high-resolution recoil-ion data from the WITCH retardation spectrometer. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 7, art. no. 206., Registrované v: WOS
901. [1.1] FLACKE, Thomas. Searching for composite Higgs models at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 19, art. no. 1630026., Registrované v: WOS
902. [1.1] FLORES-BAEZ, F. V. - BOCK, M. Gomez - MONDRAGON, M. Muon $g - 2$ through a flavor structure on soft SUSY terms. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 10, art. no. 561., Registrované v: WOS
903. [1.1] FLORES-SANCHEZ, O. - HERNANDEZ-SANCHEZ, J. - HONORATO, C.G. - MORETTI, S. - ROSADO-NAVARRO, S. Light charged Higgs boson production at the Large Hadron electron Collider. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 13 2019, vol. 99, no. 9., Registrované v: WOS

904. [1.1] FLOREZ, Andres - GUI, Kaiwen - GURROLA, Alfredo - PATINO, Carlos - RESTREPO, Diego. Expanding the reach of heavy neutrino searches at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 778, pp. 94-100., Registrované v: WOS
905. [1.1] FLOREZ, Andres - GURROLA, Alfredo - JOHNS, Will - DO OH, Young - SHELDON, Paul - TEAGUE, Dylan - WEILER, Thomas. Searching for new heavy neutral gauge bosons using vector boson fusion processes at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 767, pp. 126-132., Registrované v: WOS
906. [1.1] FLOREZ, A. - GUO, Y.H. - GURROLA, A. - JOHNS, W. - RAY, O. - SHELDON, P. - STARKO, S. Probing heavy spin-2 bosons with gamma gamma final states from vector boson fusion processes at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 22 2019, vol. 99, no. 3., Registrované v: WOS
907. [1.1] FONSECA, Nayara - FUNCHAL, Renata Zukanovich - LESSA, Andre - LOPEZ-HONOREZ, Laura. Dark Matter constraints on composite Higgs models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 154., Registrované v: WOS
908. [1.1] FONSECA, Renato M. - HIRSCH, Martin. SU(5)-inspired double beta decay. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 015014., Registrované v: WOS
909. [1.1] FOOT, Robert - KOBAKHIDZE, Archil - SPENCER-SMITH, Alexander. Criticality in the scale invariant standard model (squared). In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 169-172., Registrované v: WOS
910. [1.1] FOOT, Robert - KOBAKHIDZE, Archil. Electroweak scale invariant models with small cosmological constant. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 21, art. no. 1550126., Registrované v: WOS
911. [1.1] FOOT, R. Dissipative dark matter halos: The steady state solution. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 4, art. no. 043012., Registrované v: WOS
912. [1.1] FORD, T. - LI, T.J. - MAXIN, J.A. - NANOPOULOS, D.V. The heavy gluino in natural no-scale F-SU(5). In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2019, vol. 799., Registrované v: WOS
913. [1.1] FORTE, S. - LEVY, A. - RIDOLFI, G. From My Vast Repertoire ... Guido Altarelli's Legacy Preface. In FROM MY VAST REPERTOIRE ... : GUIDO ALTARELLI'S LEGACY. 2019, p. V-+., Registrované v: WOS
914. [1.1] FRACKOWIAK, Richard - MARKRAM, Henry. The future of human cerebral cartography: a novel approach. In PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES. ISSN 0962-8436, 2015, vol. 370, no. 1668, pp. 20-32., Registrované v: WOS
915. [1.1] FRANCESCONI, David - AKULA, Sujeet - ALTUNKAYNAK, Baris - NATH, Pran. Sparticle mass hierarchies, simplified models from SUGRA unification, and benchmarks for LHC Run-II SUSY searches. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 1, art. no. 158., Registrované v: WOS
916. [1.1] FRANKLIN, Allan David. Is Seeing Believing?: Observation in Physics. In PHYSICS IN PERSPECTIVE. ISSN 1422-6944, 2017, vol. 19, no. 4,

pp. 321-423., Registrované v: WOS

917. [1.1] FRANKLIN, Allan. The missing piece of the puzzle: the discovery of the Higgs boson. In SYNTHESE. ISSN 0039-7857, 2017, vol. 194, no. 2, pp. 259-274., Registrované v: WOS

918. [1.1] FRANK, Mariana - FUKS, Benjamin - HUITU, Katri - RAI, Santosh Kumar - WALTARI, Harri. Resonant slepton production and right sneutrino dark matter in left-right supersymmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 5, art. no. 015., Registrované v: WOS

919. [1.1] FRANK, Mariana - POURTOLAMI, Nima - TOHARIA, Manuel. Higgs boson production and decay in 5D warped models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 056004., Registrované v: WOS

920. [1.1] FRANZOSI, Diogo Buarque - FERRARESE, Piero. Implications of vector boson scattering unitarity in composite Higgs models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 055037., Registrované v: WOS

921. [1.1] FRASCA, Marco. A theorem on the Higgs sector of the Standard Model. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2016, vol. 131, no. 6, art. no. 199., Registrované v: WOS

922. [1.1] FRASER, Sean - KOWNACKI, Corey - MA, Ernest - POLLARD, Nicholas - POPOV, Oleg - ZAKERI, Mohammadreza. Phenomenology of the utilitarian supersymmetric standard model. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 909, pp. 644-656., Registrované v: WOS

923. [1.1] FRASER, Sean - MA, Ernest - ZAKERI, Mohammadreza. SU(2)(N) model of vector dark matter with a leptonic connection. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 3, art. no. 1550018., Registrované v: WOS

924. [1.1] FRASER, S. - GABRIELLI, E. - MARZO, C. - MARZOLA, L. - RAIDAL, M. Left-right supersymmetry as the origin of flavor structure. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 2 2019, vol. 100, no. 11., Registrované v: WOS

925. [1.1] FREDERIX, R. - FRIXIONE, S. - VRYONIDOUE, E. - WIESEMANND, M. Heavy-quark mass effects in Higgs plus jets production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 8, art. no. 006., Registrované v: WOS

926. [1.1] FREYTSIS, Marat - VOLANSKY, Tomer - WALSH, Jonathan R. Tagging partially reconstructed objects with jet substructure. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 769, pp. 333-338., Registrované v: WOS

927. [1.1] FRITZSCH, Harald. Dark matter and excited weak bosons. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2017, vol. 32, no. 9, art. no. 1730009., Registrované v: WOS

928. [1.1] FRITZSCH, Harald. Excited weak bosons and their decays. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2017, vol. 32, no. 12, art. no. 1750057., Registrované v: WOS

929. [1.1] FRITZSCH, Harald. Excited weak bosons and dark matter. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 31, art. no. 1844011., Registrované v: WOS

930. [1.1] FROGGATT, C. D. - NIELSEN, H. B. Tunguska dark matter ball. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 13, art. no. 1550066., Registrované v: WOS
931. [1.1] FUCHS, Elina - THEWES, Silja - WEIGLEIN, Georg. Interference effects in BSM processes with a generalised narrow-width approximation. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 6, art. no. 254., Registrované v: WOS
932. [1.1] FUJIMOTO, J. - KURIHARA, Y. - QUACH, N.M.U. $O(\alpha^2)$ ISR effects with a full electroweak one-loop correction for a top pair-production at the ILC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 14 2019, vol. 79, no. 6., Registrované v: WOS
933. [1.1] FUJIMOTO, Yukihiro - HASEGAWA, Kouhei - NISHIWAKI, Kenji - SAKAMOTO, Makoto - TATSUMI, Kentaro. Supersymmetry in the 6D Dirac action. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2017, no. 7, art. no. 073B03., Registrované v: WOS
934. [1.1] FUJIMOTO, Yukihiro - MIURA, Takashi - NISHIWAKI, Kenji - SAKAMOTO, Makoto. Dynamical generation of fermion mass hierarchy in an extra dimension. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115039., Registrované v: WOS
935. [1.1] FUKANO, Hidenori S. - MATSUZAKI, Shinya - YAMAWAKI, Koichi. Conformal barrier for new vector bosons decay to the Higgs. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 9, art. no. 1630009., Registrované v: WOS
936. [1.1] FUKANO, Hidenori S. Top-Mode pseudo-Nambu-Goldstone Boson Higgs model. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 35, art. no. 1747009., Registrované v: WOS
937. [1.1] FUKANO, Hidenori S. - KURACHI, Masafumi - MATSUZAKI, Shinya. Vacuum alignment of the top-mode pseudo-Nambu-Goldstone boson Higgs model. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 115005., Registrované v: WOS
938. [1.1] FUKS, Benjamin - KANG, Dong Woo - PARK, Seong Chan - SEO, Min-Seok. Investigating the jet activity accompanying the production at the LHC of a massive scalar particle decaying into photons. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 761, pp. 344-349., Registrované v: WOS
939. [1.1] FUKS, Benjamin - KIM, Jeong Han - LEE, Seung J. Probing Higgs boson self-interactions in proton-proton collisions at a center-of-mass energy of 100 TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 035026., Registrované v: WOS
940. [1.1] FUKUDA, Hajime - NAGATA, Natsumi - OTONO, Hidetoshi - SHIRAI, Satoshi. Higgsino dark matter or not: Role of disappearing track searches at the LHC and future colliders. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 781, pp. 306-311., Registrované v: WOS
941. [1.1] FUKUYAMA, Takeshi - ICHIKAWA, Koji - MIMURA, Yukihiro. Revisiting fermion mass and mixing fits in the minimal SUSY SO(10) GUT model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075018., Registrované v: WOS
942. [1.1] FUKUYAMA, Takeshi - ASAH, Koichiro. Filling the gaps between model predictions and their prerequisites in electric dipole moments. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X,

- 2016, vol. 31, no. 14-15, art. no. 1650082., Registrované v: WOS
943. [1.1] FUNATSU, Shuichiro - HATANAKA, Hisaki - HOSOTANI, Yutaka. $H \rightarrow Z$ gamma in the gauge-Higgs unification. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 115003., Registrované v: WOS
944. [1.1] FUREY, C. Charge quantization from a number operator. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 742, pp. 195-199., Registrované v: WOS
945. [1.1] FUYUTO, Kaori - SENAHA, Eibun. Sphaleron and critical bubble in the scale invariant two Higgs doublet model. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 152-157., Registrované v: WOS
946. [1.1] GABELMANN, M. - MUHLLEITNER, M.M. - STAUB, F. Singlet extended standard model in the context of split supersymmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 22 2019, vol. 100, no. 7., Registrované v: WOS
947. [1.1] GABELMANN, M. - MUHLLEITNER, M.M. - STAUB, F. Automatised matching between two scalar sectors at the one-loop level. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 22 2019, vol. 79, no. 2., Registrované v: WOS
948. [1.1] GABRIELLI, Emidio - MELE, Barbara - RAIDAL, Martti - VENTURINI, Elena. FCNC decays of standard model fermions into a dark photon. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 115013., Registrované v: WOS
949. [1.1] GABRIELLI, Emidio - MELE, Barbara - PICCININI, Fulvio - PITTAU, Roberto. Asking for an extra photon in Higgs production at the LHC and beyond. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art. no. 003., Registrované v: WOS
950. [1.1] GABRIELLI, E. - KANNIKE, K. - MELE, B. - RAIDAL, M. - SPETHMANN, C. - VEERMAEE, H. A SUSY inspired simplified model for the 750 GeV diphoton excess. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 756, pp. 36-41., Registrované v: WOS
951. [1.1] GAETE, Patricio - HELAYEL-NETO, Jose A. Remarks on a B boolean AND F model with topological mass from gauging spin. In EPL. ISSN 0295-5075, 2017, vol. 120, no. 1, art. no. 11001., Registrované v: WOS
952. [1.1] GAINER, James S. - GONZALEZ-ALONSO, Martn - GRELJO, Admir - ISAKOVIC, Senad - ISIDORI, Gino - KORYTOV, Andrey - LYKKEN, Joseph - MARZOCCA, David - MATCHEV, Konstantin T. - MILENOVIC, Predrag - MITSSELMAKHER, Guenakh - MRENNNA, Stephen - PARK, Myeonghun - RINKEVICIUS, Aurelijus - SELIMOVIC, Nudzeim. Adding pseudo-observables to the four-lepton experimentalist's toolbox. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 073., Registrované v: WOS
953. [1.1] GAINER, James S. - LYKKEN, Joseph - MATCHEV, Konstantin T. - MRENNNA, Stephen - PARK, Myeonghun. Beyond geolocating: Constraining higher dimensional operators in $H \rightarrow 4l$ with off-shell production and more. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 035011., Registrované v: WOS
954. [1.1] GAINER, James S. - MATCHEV, Konstantin T. - PARK, Myeonghun. The hierarchy solution to the LHC inverse problem. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 014.,

Registrované v: WOS

955. [1.1] GAITAN, R. - DE OCA, J. H. Montes - GARCES, E. A. - MARTINEZ, R. Rare top decay $t \rightarrow c \gamma$ with flavor changing neutral scalar interactions in two Higgs doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 094038., Registrované v: WOS
956. [1.1] GAITAN, R. - GARCES, E. A. - MONTES DE OCA, J. H. - MARTINEZ, R. Top quark chromoelectric and chromomagnetic dipole moments in a two Higgs doublet model with CP violation. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 094025., Registrované v: WOS
957. [1.1] GALON, Iftah - RAJARAMAN, Arvind - TAIT, Tim M. P. $H \rightarrow \tau^+ \tau^- \gamma$ as a probe of the tau magnetic dipole moment. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 12, art. no. 111., Registrované v: WOS
958. [1.1] GAO, C. - LUTY, M.A. - NEILL, N.A. Almost inert Higgs bosons at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 6 2019, no. 9., Registrované v: WOS
959. [1.1] GAO, Christina - LUTY, Markus A. - MULHEARN, Michael - NEILL, Nicolas A. - WANG, Zhangqier. Searching for additional Higgs bosons via Higgs cascades. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075040., Registrované v: WOS
960. [1.1] GAO, J. - GONG, Y.Q. - JU, W.L. - YANG, L.L. Thrust distribution in Higgs decays at the next-to-leading order and beyond. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 6 2019, no. 3., Registrované v: WOS
961. [1.1] GARBRECHT, Bjoern - MILLINGTON, Peter. Constraining the effective action by a method of external sources. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 906, pp. 105-132., Registrované v: WOS
962. [1.1] GARBRECHT, Bjoern - MILLINGTON, Peter. Green's function method for handling radiative effects on false vacuum decay. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 10, art. no. 105021., Registrované v: WOS
963. [1.1] GARCIA-JIMENEZ, I. - NOVALES-SANCHEZ, H. - TOSCANO, J. J. Distinctive ultraviolet structure of extra-dimensional Yang-Mills theories by integration of heavy Kaluza-Klein modes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 096007., Registrované v: WOS
964. [1.1] GARCIA-PEPIN, Mateo - GORI, Stefania - QUIROS, Mariano - VEGA, Roberto - VEGA-MORALES, Roberto - YU, Tien-Tien. Supersymmetric custodial Higgs triplets and the breaking of universality. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 015016., Registrované v: WOS
965. [1.1] GARG, Ila - GOSWAMI, Srubabati - VISHNUDATH, K. N. - KHAN, Najimuddin. Electroweak vacuum stability in presence of singlet scalar dark matter in TeV scale seesaw models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 055020., Registrované v: WOS
966. [1.1] GAULD, Rhorry - PECJAK, Benjamin D. - SCOTT, Darren J. One-loop corrections to $h \rightarrow b\bar{b}$ and $h \rightarrow \tau\bar{\tau}$ decays in the Standard Model dimension-6 EFT: four-fermion operator and the large- $m(t)$ limit. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 080., Registrované v: WOS

967. [1.1] GAULD, Rhorry - PECJAK, Benjamin D. - SCOTT, Darren J. QCD radiative corrections for $h \rightarrow b(b)\overline{b}$ in the standard model dimension-6 effective field theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 074045., Registrované v: WOS
968. [1.1] GAVELA, M.B. - HOUTZ, R. - QUILEZ, P. - DEL REY, R. - SUMENSARI, O. Flavor constraints on electroweak ALP couplings. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, APR 29 2019, vol. 79, no. 5., Registrované v: WOS
969. [1.1] GEHRMANN, T. - GUNS, S. - KARA, D. The rare decay $H \rightarrow Z$ gamma in perturbative QCD. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art. no. 038., Registrované v: WOS
970. [1.1] GENG, Huiping. Pretzel scheme for CEPC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 33, art. no. 1644013., Registrované v: WOS
971. [1.1] GENG, Chao-Qiang - HUANG, Da - TSAI, Lu-Hsing - WANG, Qing. Connecting neutrino masses and dark matter by high-dimensional lepton number violation operator. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 8, art. no. 141., Registrované v: WOS
972. [1.1] GENG, Chao-Qiang - TSAI, Lu-Hsing - YU, Yao. Constraints on the septet-doublet mixing models from oblique parameters. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 7, art. no. 073014., Registrované v: WOS
973. [1.1] GEORGES, Alexandre. Incompatibility between Einstein's general relativity and Heisenberg's uncertainty principle. In PHYSICS ESSAYS. ISSN 0836-1398, 2018, vol. 31, no. 3, pp. 327-332., Registrované v: WOS
974. [1.1] GERTOV, Helene - MERONI, Aurora - MOLINARO, Emiliano - SANNINO, Francesco. Theory and phenomenology of the elementary Goldstone Higgs boson. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095003., Registrované v: WOS
975. [1.1] GE, Shao-Feng - HE, Hong-Jian - XIAO, Rui-Qing. Testing Higgs coupling precision and new physics scales at lepton colliders. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 33, art. no. 1644004., Registrované v: WOS
976. [1.1] GE, Shao-Feng - HE, Hong-Jian - XIAO, Rui-Qing. Probing new physics scales from Higgs and electroweak observables at $e(+)e(-)$ Higgs factory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 10, art. no. 007., Registrované v: WOS
977. [1.1] GE, Shao-Feng - HE, Hong-Jian - REN, Jing - XIANYU, Zhong-Zhi. Realizing dark matter and Higgs inflation in light of LHC diphoton excess. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 757, pp. 480-492., Registrované v: WOS
978. [1.1] GHEORGHIU, Tamara - VACARU, Olivia - VACARU, Sergiu. Modified dynamical supergravity breaking and off-diagonal super-Higgs effects. In CLASSICAL AND QUANTUM GRAVITY. ISSN 0264-9381, 2015, vol. 32, no. 6, art. no. 065004., Registrované v: WOS
979. [1.1] GHERGHETTA, Tony - VON HARLING, Benedict - MEDINA, Anibal D. - SCHMIDT, Michael A. - TROTT, Timothy. SUSY implications from WIMP annihilation into scalars at the Galactic Center. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 10, art. no. 105004., Registrované v: WOS

980. [1.1] GHERGHETTA, Tony. Supersymmetry breaking in a warped geometry after the first run of the LHC. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2015, vol. 30, no. 15, art. no. 1540014., Registrované v: WOS
981. [1.1] GHEZZI, Margherita - GOMEZ-AMBROSIO, Raquel - PASSARINO, Giampiero - UCCIRATI, Sandro. NLO Higgs effective field theory and kappa-framework. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 7, art. no. 175., Registrované v: WOS
982. [1.1] GHORBANI, Karim - GHORBANI, Parsa Hossein. The LHC upper bounds for $pp \rightarrow$ diboson, $t(\bar{t})$ over-bar cross-section on fermionic dark matter. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 22, art. no. 1750131., Registrované v: WOS
983. [1.1] GHORBANI, Karim - KHALKHALI, Leila. Mono-Higgs signature in a fermionic dark matter model. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 10, art. no. 105004., Registrované v: WOS
984. [1.1] GHORBANI, Karim. Split fermionic WIMPs evade direct detection. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 086., Registrované v: WOS
985. [1.1] GHORBANI, Parsa Hossein. Electroweak baryogenesis and dark matter via a pseudoscalar vs. scalar. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 058., Registrované v: WOS
986. [1.1] GHORBANI, Parsa Hossein. Electroweak phase transition in the scale invariant standard model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115016., Registrované v: WOS
987. [1.1] GHOSH, A. Scalar dark matter probes the scale of nonlocality. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, AUG 30 2019, vol. 34, no. 24., Registrované v: WOS
988. [1.1] GHOSH, Buddhadeb. Electroweak phase transition and some related phenomena a brief review. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2016, vol. 87, no. 3, art. no. UNSP 43., Registrované v: WOS
989. [1.1] GHOSH, Dilip Kumar - GHOSH, Nivedita - SAHA, Ipsita - SHAW, Avirup. Revisiting the high-scale validity of the type II seesaw model with novel LHC signature. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115022., Registrované v: WOS
990. [1.1] GHOSH, D.K. - GHOSH, N. - MUKHOPADHYAYA, B. Distinctive collider signals for a two-Higgs-triplet model. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 28 2019, vol. 99, no. 1., Registrované v: WOS
991. [1.1] GHOSH, Purusottam - SAHA, Abhijit Kumar - SIL, Arunansu. Study of electroweak vacuum stability from extended Higgs portal of dark matter and neutrinos. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075034., Registrované v: WOS
992. [1.1] GHOSH, S.S. Highlights from the Compact Muon Solenoid (CMS) Experiment. In UNIVERSE. JAN 2019, vol. 5, no. 1., Registrované v: WOS
993. [1.1] GHOSH, Tathagata - JANA, Sudip - NANDI, S. Neutrino mass from Higgs quadruplet and multicharged Higgs searches at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115037., Registrované v: WOS
994. [1.1] GHOSH, T. - GODBOLE, R. - TATA, X. Determining the

spacetime structure of bottom-quark couplings to spin-zero particles. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 18 2019, vol. 100, no. 1., Registrované v: WOS

995. [1.1] GIES, Holger - SONDENHEIMER, Rene - WARSCHINKE, Matthias. Impact of generalized Yukawa interactions on the lower Higgs-mass bound. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 11, art. no. 743., Registrované v: WOS

996. [1.1] GIES, Holger - SONDENHEIMER, Rene. Renormalization group flow of the Higgs potential. In PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-503X, 2018, vol. 376, no. 2114, art. no. 20170120., Registrované v: WOS

997. [1.1] GIES, Holger - SONDENHEIMER, Rene. Higgs mass bounds from renormalization flow for a Higgs-top-bottom model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 2, art. no. 68., Registrované v: WOS

998. [1.1] GIES, Holger - ZAMBELLI, Luca. Asymptotically free scaling solutions in non-Abelian Higgs models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 2, art. no. 025016., Registrované v: WOS

999. [1.1] GINTNER, Mikula - JURAA, Josef. The limits on the strong Higgs sector parameters in the presence of new vector resonances. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 12, art. no. 651., Registrované v: WOS

1000. [1.1] GINTNER, Mikulas - JURAN, Josef. THE LHC MASS LIMITS FOR THE SU (2) (L+R) VECTOR RESONANCE TRIPLET OF A STRONG EXTENSION OF THE STANDARD MODEL. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 8, pp. 1383-1397., Registrované v: WOS

1001. [1.1] GINZBURG, I. F. Triple Higgs coupling in the most general 2HDM at SM-like scenario. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 1, art. no. 9., Registrované v: WOS

1002. [1.1] GINZBURG, I. F. - KANISHEV, K. A. Two-Higgs-doublet model in terms of observable quantities. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 015024., Registrované v: WOS

1003. [1.1] GIORDANO, F. Searches for supersymmetry at CMS. In HYPERFINE INTERACTIONS. ISSN 0304-3843, 2017, vol. 238, art. no. 50., Registrované v: WOS

1004. [1.1] GIOVANNINI, Massimo. Hypermagnetic knots and gravitational radiation at intermediate frequencies. In CLASSICAL AND QUANTUM GRAVITY. ISSN 0264-9381, 2017, vol. 34, no. 13, art. no. 135010., Registrované v: WOS

1005. [1.1] GIOVANNINI, Massimo. Spectator Higgs field, large-scale gauge fields, and the nonminimal coupling to gravity. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 8, art. no. 083501., Registrované v: WOS

1006. [1.1] GIRDHAR, Aarti - MUKHOPADHYAYA, Biswarup - PATRA, Monalisa. Distinguishing signatures of top- and bottom-type heavy vectorlike quarks at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055015., Registrované v: WOS

1007. [1.1] GIUDICE, Gian Francesco. Collider Physics within the Standard Model A Primer Foreword. In COLLIDER PHYSICS WITHIN THE

- STANDARD MODEL: A PRIMER. ISSN 0075-8450, 2017, vol. 937, pp. V-+.,
 Registrované v: WOS
1008. [1.1] GLUZA, Janusz - RIEMANN, Tord. Massive Feynman integrals and electroweak corrections. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2015, vol. 261, pp. 140-154., Registrované v: WOS
1009. [1.1] GODBOLE, R. M. - MILLER, D. J. - MOHAN, K. A. - WHITE, C. D. Jet substructure and probes of CP violation in V_h production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 103., Registrované v: WOS
1010. [1.1] GODUNOV, S. I. - VYSOTSKY, M. I. - ZHEMCHUGOV, E. V. Double Higgs Boson Production in the Models with Isotriplets. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2015, vol. 78, no. 13, pp. 1493-1496., Registrované v: WOS
1011. [1.1] GODUNOV, S. I. - VYSOTSKY, M. I. - ZHEMCHUGOV, E. V. Double Higgs production at LHC, see-saw type-II and Georgi-Machacek model. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2015, vol. 120, no. 3, pp. 369-375., Registrované v: WOS
1012. [1.1] GOERTZ, Florian - PAPAEFSTATHIOU, Andreas - YANG, Li Lin - ZURITA, Jose. Higgs boson pair production in the $D=6$ extension of the SM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 167., Registrované v: WOS
1013. [1.1] GOGOLADZE, Ilia - MUSTAFAYEV, Azar - SHAFI, Qaisar - UN, Cem Salih. Yukawa unification and sparticle spectroscopy in gauge mediation models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 096005., Registrované v: WOS
1014. [1.1] GOGOLADZE, Ilia - MUSTAFAYEV, Azar - SHAFI, Qaisar - UN, Cem Salih. Gauge mediation models with adjoint messengers. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075012., Registrované v: WOS
1015. [1.1] GOGOLADZE, Ilia - SHAFI, Qaisar - UN, Cem Salih. Reconciling the muon $g-2$, a 125 GeV Higgs boson, and dark matter in gauge mediation models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 115014., Registrované v: WOS
1016. [1.1] GOGOLADZE, Ilia - UN, Cem Salih. Muon $g-2$ in gauge mediated supersymmetry breaking models with adjoint messengers. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035028., Registrované v: WOS
1017. [1.1] GOLDOUZIAN, Reza - CLERBAUX, Barbara. Photon initiated single top quark production via flavor-changing neutral currents at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 054014., Registrované v: WOS
1018. [1.1] GOLCHI, Shirin - LOCKHART, Richard. A FREQUENCY-CALIBRATED BAYESIAN SEARCH FOR NEW PARTICLES. In ANNALS OF APPLIED STATISTICS. ISSN 1932-6157, 2018, vol. 12, no. 3, pp. 1939-1968., Registrované v: WOS
1019. [1.1] GOLUTVIN, I. A. - SHMATOV, S. V. CMS experiment at the LHC: Results and outlook. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, 2017, vol. 48, no. 5, pp. 720-726., Registrované v: WOS
1020. [1.1] GOMEZ, Mario E. - LOLA, Smaragda - DE AUSTRI, Roberto

- Ruiz - SHAFI, Qaisar. Confronting SUSY GUT With Dark Matter, Sparticle Spectroscopy and Muon ($g-2$). In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2018, vol. 6, art. no. 127., Registrované v: WOS
1021. [1.1] GOMEZ, M. E. - LOLA, S. - RUIZ DE AUSTRI, R. - SHAFI, Q. Dark matter, sparticle spectroscopy and muon ($g-2$) in $SU(4)(c) \times SU(2)(L) \times SU(2)(R)$. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 062., Registrované v: WOS
1022. [1.1] GONCALVES, Dorival - KRAUSS, Frank - KUTTIMALAI, Silvan - MAIERHOEFER, Philipp. Higgs-Strahlung: Merging the NLO Drell-Yan and loop-induced 0+1 jet multiplicities. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 073006., Registrované v: WOS
1023. [1.1] GONCALVES, Dorival - SAKURAI, Kazuki - TAKEUCHI, Michihisa. Tagging a monotop signature in natural SUSY. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015030., Registrované v: WOS
1024. [1.1] GONCALVES, Dorival - HAN, Tao - MUKHOPADHYAY, Satyanarayan. Higgs couplings at high scales. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 015023., Registrované v: WOS
1025. [1.1] GONCALVES, Dorival - HAN, Tao - KLING, Felix - PLEHN, Tilman - TAKEUCHI, Michihisa. Higgs boson pair production at future hadron colliders: From kinematics to dynamics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 113004., Registrované v: WOS
1026. [1.1] GONCALVES, Dorival - KIM, Jeong Han - KONG, Kyoungchul. Probing the top-Higgs Yukawa CP structure in dileptonic $t(\bar{t})$ over $\bar{t}t$ with M-2-assisted reconstruction. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 079., Registrované v: WOS
1027. [1.1] GONCALVES, Dorival - LPEZ-VAL, David. Pseudoscalar searches with dileptonic tops and jet substructure. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 095005., Registrované v: WOS
1028. [1.1] GONCALVES, Dorival - KRAUSS, Frank - KUTTIMALAI, Silvan - MAIERHOEFER, Philipp. Boosting invisible searches via ZH: From the Higgs boson to dark matter simplified models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 053014., Registrované v: WOS
1029. [1.1] GONG, Jinn-Ouk - LEUNG, Godfrey - PI, Shi. Probing reheating with primordial spectrum. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2015, no. 5, art. no. 027., Registrované v: WOS
1030. [1.1] GONG, Yinqiang - LI, Zhao - XU, Xiaofeng - YANG, Li Lin - ZHAO, Xiaoran. Mixed QCD-electroweak corrections for Higgs boson production at $e(+)e(-)$ colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 093003-1., Registrované v: WOS
1031. [1.1] GONZALEZ FRAILE, J. Effective Lagrangian approach to the EWSB sector. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 684-689., Registrované v: WOS
1032. [1.1] GONZALEZ LOPEZ, Oscar. Searches for a high-mass Higgs boson in the ZZ and WW decay channels with the CMS detector. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 907-912., Registrované v: WOS
1033. [1.1] GONZALEZ-ALONSO, Martin - GRELJO, Admir - ISIDORI,

Gino - MARZOCCA, David. Pseudo-observables in Higgs decays. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 3, art. no. 128., Registrované v: WOS

1034. [1.1] GOODSELL, Mark D. - LIEBLER, Stefan - STAUB, Florian. Generic calculation of two-body partial decay widths at the full one-loop level. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 11, art. no. 758., Registrované v: WOS

1035. [1.1] GOODSELL, Mark D. - STAUB, Florian. The Higgs mass in the CP violating MSSM, NMSSM and beyond. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 1, art. no. 46., Registrované v: WOS

1036. [1.1] GOODSELL, Mark D. - STAUB, Florian. Unitarity constraints on general scalar couplings with SARAH. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 8, art. no. 649., Registrované v: WOS

1037. [1.1] GOODSELL, Mark D. - NICKEL, Kilian - STAUB, Florian. Two-loop Higgs mass calculations in supersymmetric models beyond the MSSM with SARAH and SPheno. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 1, art. no. 32., Registrované v: WOS

1038. [1.1] GOODSELL, Mark D. - NICKEL, Kilian - STAUB, Florian. The Higgs mass in the MSSM at two-loop order beyond minimal flavour violation. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 758, pp. 18-25., Registrované v: WOS

1039. [1.1] GOODSELL, M. - NICKEL, K. - STAUB, F. Generic two-loop Higgs mass calculation from a diagrammatic approach. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 6, art. no. 290., Registrované v: WOS

1040. [1.1] GOODSELL, M.D. - STAUB, F. Improved unitarity constraints in Two-Higgs-Doublet-Models. In PHYSICS LETTERS B. ISSN 0370-2693, JAN 10 2019, vol. 788, p. 206-212., Registrované v: WOS

1041. [1.1] GOOD, Michael R. R. - XIONG, Chi - CHUA, Alvin J. K. - HUANG, Kerson. Geometric creation of quantum vorticity. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2016, vol. 18, art. no. 113018., Registrované v: WOS

1042. [1.1] GORBAHN, Martin - NO, Jose Miguel - SANZ, Veronica. Benchmarks for Higgs effective theory: extended Higgs sectors. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 10, art. no. 036., Registrované v: WOS

1043. [1.1] GORBUNOV, Dmitry - TIMIRYASOV, Inar. Testing vMSM with indirect searches. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 745, pp. 29-34., Registrované v: WOS

1044. [1.1] GORI, Stefania - HABER, Howard E. - SANTOS, Edward. High scale flavor alignment in two-Higgs doublet models and its phenomenology. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 6, art. no. 110., Registrované v: WOS

1045. [1.1] GORI, Valentina. Higgs in bosonic channels (CMS). In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, art. no. 04026., Registrované v: WOS

1046. [1.1] GORRINGE, T. P. - HERTZOG, D. W. Precision muon physics. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410,

- 2015, vol. 84, pp. 73-123., Registrované v: WOS
1047. [1.1] GOSWAMI, S. - VISHNUDATH, K.N. - KHAN, N. Constraining the minimal type-III seesaw model with naturalness, lepton flavor violation, and electroweak vacuum stability. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 12 2019, vol. 99, no. 7., Registrované v: WOS
1048. [1.1] GOTO, Toru - KITANO, Ryuichiro - MORI, Shingo. Lepton flavor violating Z-boson couplings from nonstandard Higgs interactions. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 075021., Registrované v: WOS
1049. [1.1] GOTO, Toru - OKADA, Yasuhiro - SHINDOU, Tetsuo - TANAKA, Minoru - WATANABE, Ryoutaro. Lepton flavor violation in the supersymmetric seesaw model after the LHC 8 TeV run. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 3, art. no. 033007., Registrované v: WOS
1050. [1.1] GOUNARIS, G. J. - RENARD, F. M. Higgs boson structure functions as signposts of new physics. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 053011., Registrované v: WOS
1051. [1.1] GOUNARIS, G. J. - RENARD, F. M. Specific supersimple properties of $e(-)e(+)\rightarrow\gamma H$ at high energy. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 9, art. no. 093002., Registrované v: WOS
1052. [1.1] GOUNARIS, G. J. - RENARD, F. M. Tests of the triple Higgs boson form factor in $\mu(-)\mu(+)\rightarrow HH$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 093018., Registrované v: WOS
1053. [1.1] GRAF, Lukas - DEPPISCH, Frank F. - IACHELLO, Francesco - KOTILA, Jenni. Short-range neutrinoless double beta decay mechanisms. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095023., Registrované v: WOS
1054. [1.1] GRANATA, F. - LINDERT, J. M. - OLEARI, C. - POZZORINI, S. NLO QCD-EW predictions for HV and HV plus jet production including parton-shower effects. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 9, art. no. 012., Registrované v: WOS
1055. [1.1] GRANNIS, P. - LUTH, V. Experimental basis of the standard model. In PHYSICS TODAY. ISSN 0031-9228, FEB 2019, vol. 72, no. 2, p. 54-55., Registrované v: WOS
1056. [1.1] GRAY, Garry C. Academic Voice in Scholarly Writing. In QUALITATIVE REPORT. ISSN 2160-3715, 2017, vol. 22, no. 1, pp. 179-196., Registrované v: WOS
1057. [1.1] GRAZZINI, Massimiliano - ILNICKA, Agnieszka - SPIRA, Michael - WIESEMANN, Marius. Modeling BSM effects on the Higgs transverse-momentum spectrum in an EFT approach. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 115., Registrované v: WOS
1058. [1.1] GRAZZINI, Massimiliano - KALLWEIT, Stefan - RATHLEV, Dirk - WIESEMANN, Marius. Transverse-momentum resummation for vector-boson pair production at NNLL plus NNLO. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 8, art. no. 154., Registrované v: WOS
1059. [1.1] GRAZZINI, Massimiliano - KALLWEIT, Stefan - POZZORINI, Stefano - RATHLEV, Dirk - WIESEMANN, Marius. $W^{+}W^{-}$ production at the LHC: fiducial cross sections and distributions in NNLO QCD.

In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 8, art. no. 140., Registrované v: WOS

1060. [1.1] GRAZZINI, M. - KALLWEIT, S. - WIESEMANN, M. - YOOK, J.Y. ZZ production at the LHC: NLO QCD corrections to the loop-induced gluon fusion channel. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 13 2019, no. 3., Registrované v: WOS

1061. [1.1] GRECO, Mario - HAN, Tao - LIU, Zhen. ISR effects for resonant Higgs production at future lepton colliders. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 763, pp. 409-415., Registrované v: WOS

1062. [1.1] GRECO, Mario. Higgs physics at future lepton colliders. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 31, art. no. 1844003., Registrované v: WOS

1063. [1.1] GRECO, Mario. On the study of the Higgs properties at a muon collider. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2015, vol. 30, no. 39, art. no. 1530031., Registrované v: WOS

1064. [1.1] GRECO, Mario. Physics potential and motivations for a muon collider. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 18, art. no. 1630028., Registrované v: WOS

1065. [1.1] GREINER, Nicolas - LIEBLER, Stefan - WEIGLEIN, Georg. Interference contributions to gluon initiated heavy Higgs production in the two-Higgs-doublet model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 3, art. no. 118., Registrované v: WOS

1066. [1.1] GREINER, Nicolas. GoSam 2.0: Automated one loop calculations within and beyond the Standard Model. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 2111-2117., Registrované v: WOS

1067. [1.1] GRINSTEIN, Benjamin - MURPHY, Christopher W. - UTTAYARAT, Patipan. One-loop corrections to the perturbative unitarity bounds in the CP-conserving two-Higgs doublet model with a softly broken $Z(2)$ symmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 6, art. no. 070., Registrované v: WOS

1068. [1.1] GROBER, R. - MUEHLLEITNER, M. - SPIRA, M. Higgs pair production at NLO QCD for CP-violating Higgs sectors. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 925, pp. 1-27., Registrované v: WOS

1069. [1.1] GROBER, R. - MUEHLLEITNER, M. - SPIRA, M. Signs of composite Higgs pair production at next-to-leading order. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, vol., no. 6, pp. 1-30., Registrované v: WOS

1070. [1.1] GROEBER, Ramona - MUEHLLEITNER, Margarete - POPENDA, Eva - WLOTZKA, Alexander. Light stop decays into $Wb(\chi)\text{over-tilde}(1)(0)$ near the kinematic threshold. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 144-151., Registrované v: WOS

1071. [1.1] GROEBER, R. - MUEHLLEITNER, M. - SPIRA, M. - STREICHER, J. NLO QCD corrections to Higgs pair production including dimension-6 operators. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art. no. 092., Registrované v: WOS

1072. [1.1] GROEBER, R. - MUEHLLEITNER, M. Margarete - POPENDA, E. - WLOTZKA, A. Light stop decays: implications for LHC searches. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 420., Registrované v: WOS

1073. [1.1] GROJEAN, C. Beyond the standard Higgs after the 125 GeV Higgs discovery. In PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-503X, 2015, vol. 373, no. 2032, art. no. 20140042., Registrované v: WOS
1074. [1.1] GROJEAN, Christophe. Physics of the Brout-Englert-Higgs boson: Theory. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 11-20., Registrované v: WOS
1075. [1.1] GROUT, Zara. Recent Results on SUSY and Exotica Searches at the LHC. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. 05003., Registrované v: WOS
1076. [1.1] GRZADKOWSKI, Bohdan - OGREID, Odd Magne - OSLAND, Per. SOME PROPERTIES OF THE GENERIC 2HDM IN THE ALIGNMENT LIMIT. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 12, pp. 2381-2388., Registrované v: WOS
1077. [1.1] GUCHAIT, Monoranjan - KUMAR, Jacky. Light Higgs bosons in NMSSM at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 12, art. no. 244., Registrované v: WOS
1078. [1.1] GUCHAIT, Monoranjan - VIJAY, Aravind H. - KUMAR, Jacky. Detection prospects of light pseudoscalar Higgs boson at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 122., Registrované v: WOS
1079. [1.1] GUCHAIT, Monoranjan - KUMAR, Jacky. Diphoton signal of a light pseudoscalar in the NMSSM at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035036., Registrované v: WOS
1080. [1.1] GUCHAIT, Monoranjan - VIJAY, Aravind H. Probing heavy charged Higgs boson at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115028., Registrované v: WOS
1081. [1.1] GUI YU - WU WENBO - SONG MAO - LI GANG. χ (c) Associated Production with $b(b)$ -over-bar from SM Higgs Boson Decay. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 4, pp. 1162-1166., Registrované v: WOS
1082. [1.1] GUO, Shu-Yuan - HAN, Zhi-Long - LIAO, Yi. Testing the type II radiative seesaw model: From dark matter detection to LHC signatures. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 115014., Registrované v: WOS
1083. [1.1] GUO, Tao - ZHAO, Shu-Min - DONG, Xing-Xing - DUAN, Chun-Gui - FENG, Tai-Fu. Muon conversion to electron in nuclei within the BLMSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 11, art. no. 925., Registrované v: WOS
1084. [1.1] GUO, Y.C. - WANG, Y.Y. - YANG, J.C. Constraints on anomalous quartic gauge couplings by $\gamma\gamma \rightarrow W^+W^-$ scattering. In NUCLEAR PHYSICS B. ISSN 0550-3213, DEC 2020, vol. 961., Registrované v: WOS
1085. [1.1] GURSKAYA, A. V. - DOLGOPOLOV, M. V. - RYKOVA, E. N. Higgs bosons in standard model extensions. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, 2017, vol. 48, no. 5, pp. 822-826., Registrované v: WOS

1086. [1.1] GUTIERREZ, Nicolas. Inclusive production of $H \rightarrow b\bar{b}$ plus a recoil for the LHC Run-II. In EPL. ISSN 0295-5075, 2016, vol. 115, no. 1, art. no. 11002., Registrované v: WOS
1087. [1.1] GUTIERREZ-RODRIGUEZ, A. - KOKSAL, M. - BILLUR, A.A. - HERNANDEZ-RUIZ, M.A. Studies on the anomalous magnetic and electric dipole moments of the tau-neutrino in pp collisions at the LHC. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, AUG 2019, vol. 55, no. 8., Registrované v: WOS
1088. [1.1] GUTIERREZ-RODRIGUEZ, A. - HERNANDEZ-RUIZ, M. A. Z' Resonance and Associated Zh Production at Future Higgs Boson Factory: ILC and CLIC. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 593898., Registrované v: WOS
1089. [1.1] GUZZI, Marco - LIPKA, Katerina - MOCH, Sven-Olaf. Top-quark pair production at hadron colliders: differential cross section and phenomenological applications with DiffTop. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 1, art. no. 082., Registrované v: WOS
1090. [1.1] HABA, Naoyuki - ISHIDA, Hiroyuki - TAKAHASHI, Ryo. Higgs inflation and Higgs portal dark matter with right-handed neutrinos. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2015, no. 5, art. no. 053B01., Registrované v: WOS
1091. [1.1] HABER, Howard E. - STAL, Oscar. New LHC benchmarks for the CP-conserving two-Higgs-doublet model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 10, art. no. 491., Registrované v: WOS
1092. [1.1] HABER, H.E. - OGREID, O.M. - OSLAND, P. - REBELO, M.N. Symmetries and mass degeneracies in the scalar sector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 4 2019, no. 1., Registrované v: WOS
1093. [1.1] HAGIWARA, Kaoru - MA, Kai - MORI, Shingo. Probing CP Violation in $h \rightarrow \tau(-)\tau(+)$ at the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 118, no. 17, art. no. 171802., Registrované v: WOS
1094. [1.1] HAGIWARA, Kaoru - MA, Kai - YOKOYA, Hiroshi. Probing CP violation in $e(+)e(-)$ production of the Higgs boson and toponia. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 6, art. no. 048., Registrované v: WOS
1095. [1.1] HAHN, Thomas - PASSEHR, Sebastian. Implementation of the $(\text{Omicron}(\alpha(2)(t))$ MSSM Higgs-mass corrections in FeynHiggs. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2017, vol. 214, pp. 91-97., Registrované v: WOS
1096. [1.1] HAHN, T. - HEINEMEYER, S. - HOLLIK, W. - RZEHAŁ, H. - WEIGLEIN, G. High Precision Prediction for M_h in the MSSM. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 794-800., Registrované v: WOS
1097. [1.1] HAISCH, Ulrich - KAMENIK, Jernej F. - MALINAUSKAS, Augustinas - SPIRA, Michael. Collider constraints on light pseudoscalars. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 178., Registrované v: WOS
1098. [1.1] HAJER, Jan - ISMAIL, Ahmed - KLING, Felix - LI, Ying-Ying - LIU, Tao - SU, Shufang. Searches for non-SM heavy Higgses at a 100 TeV pp collider. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN

- 0217-751X, 2015, vol. 30, no. 23, art. no. 1544005., Registrované v: WOS
1099. [1.1] HALDANE, A. G. - TURRELL, A. E. An interdisciplinary model for macroeconomics. In OXFORD REVIEW OF ECONOMIC POLICY. ISSN 0266-903X, 2018, vol. 34, no. 1-2, pp. 219-251., Registrované v: WOS
1100. [1.1] HALL, Lawrence J. - RUDERMAN, Joshua T. - VOLANSKY, Tomer. A cosmological upper bound on superpartner masses. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 2, art. no. 094., Registrované v: WOS
1101. [1.1] HAMADA, Yuta - KAWAI, Hikaru - KAWANA, Kiyoharu. Natural solution to the naturalness problem: The universe does fine-tuning. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2015, no. 12, art. no. 123B03., Registrované v: WOS
1102. [1.1] HAMADA, Yuta - KAWAI, Hikaru - KAWANA, Kiyoharu. Saddle point inflation in string-inspired theory. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2015, no. 9, art. no. 091B01., Registrované v: WOS
1103. [1.1] HAMADA, Yuta - KAWAI, Hikaru - ODA, Kin-ya. Eternal Higgs inflation and the cosmological constant problem. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 4, art. no. 045009., Registrované v: WOS
1104. [1.1] HAMADA, Yuta - KAWANA, Kiyoharu. Vanishing Higgs potential in minimal dark matter models. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 751, pp. 164-170., Registrované v: WOS
1105. [1.1] HAMADA, Yuta - KAWANA, Kiyoharu - TSUMURA, Koji. Landau pole in the Standard Model with weakly interacting scalar fields. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 238-244., Registrované v: WOS
1106. [1.1] HAMADA, Yuta - SHIU, Gary. Weak gravity conjecture, multiple point principle and the standard model landscape. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 11, art. no. 043., Registrované v: WOS
1107. [1.1] HAMADA, Yuta. Higgs Potential and Naturalness After the Higgs Discovery Introduction. In HIGGS POTENTIAL AND NATURALNESS AFTER THE HIGGS DISCOVERY. ISSN 2190-5053, 2017, pp. 1-3., Registrované v: WOS
1108. [1.1] HAMAGUCHI, Koichi - ISHIKAWA, Kazuya. Prospects for Higgs- and Z-resonant neutralino dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055009., Registrované v: WOS
1109. [1.1] HAMILTON, Keith - NASON, Paolo - ZANDERIGHI, Giulia. Finite quark-mass effects in the NNLOPS POWHEG plus MiNLO Higgs generator. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 5, art. no. 140., Registrované v: WOS
1110. [1.1] HANSON, E. - KLEMM, W. - NARANJO, R. - PETERS, Y. - PILAFTSIS, A. Charged Higgs bosons in naturally aligned two-Higgs-doublet models at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 27 2019, vol. 100, no. 3., Registrované v: WOS
1111. [1.1] HAN, Huayong - YANG, Jin Min - ZHANG, Yang - ZHENG, Sibao. Collider signatures of Higgs-portal scalar dark matter. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 756, pp. 109-112., Registrované v: WOS
1112. [1.1] HAN, Chengcheng - HIKASA, Ken-ichi - WU, Lei - YANG, Jin

- Min - ZHANG, Yang. Status of CMSSM in light of current LHC Run-2 and LUX data. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 769, pp. 470-476., Registrované v: WOS
1113. [1.1] HAN, Chengcheng - KIM, Doyoun - MUNIR, Shoaib - PARK, Myeonghun. O(1) GeV dark matter in SUSY and a very light pseudoscalar at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 7, art. no. 002., Registrované v: WOS
1114. [1.1] HAN, Chengcheng - KIM, Doyoun - MUNIR, Shoaib - PARK, Myeonghun. Accessing the core of naturalness, nearly degenerate higgsinos, at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 132., Registrované v: WOS
1115. [1.1] HAN, Chengcheng - WU, Lei - YANG, Jin Min - ZHANG, Mengchao - ZHANG, Yang. New approach for detecting a compressed bino/wino at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055030., Registrované v: WOS
1116. [1.1] HAN, Chengcheng. Probing light bino and higgsinos at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 33, art. no. 1745003., Registrované v: WOS
1117. [1.1] HAN, Jinzhong - YANG, Guang - MENG, Ming - WANG, Weijian - LI, Jingyun. Higgs boson production in the littlest Higgs model with T-parity at the ILC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 11, art. no. 1841005., Registrované v: WOS
1118. [1.1] HAN, Jinzhong - YANG, Bingfang - LI, Jitao. Revisiting rare top quark decays in the littlest Higgs Model with T-parity. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 32, art. no. 1650165., Registrované v: WOS
1119. [1.1] HAN, Jinzhong - YANG, Bingfang - LIU, Ning - LI, Jitao. Higgs boson production in the U(1)(B-L) model at the ILC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 17, art. no. 1650099., Registrované v: WOS
1120. [1.1] HAN, S. - LI, G. - ZHOU, X. - JIE, Q.L. Initial state radiation correction and its effect on data-taking scheme for $\sigma(B) (e^{+}e^{-} \rightarrow ZH)$ measurement. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, JUL 30 2019, vol. 34, no. 21., Registrované v: WOS
1121. [1.1] HAN, Tao - KANG, Sin Kyu - SAYRE, Joshua. Muon g-2 in the aligned two Higgs doublet model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 2, art. no. 097., Registrované v: WOS
1122. [1.1] HAN, Xiao-Fang - WANG, Lei - YANG, Jin Min. Higgs pair signal enhanced in the 2HDM with two degenerate 125 GeV Higgs bosons. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 31, art. no. 1650178., Registrované v: WOS
1123. [1.1] HAN, Xinloong - LIU, Boyang - HU, Jiangping. Observability of Higgs mode in a system without Lorentz invariance. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 3, art. no. 033608., Registrované v: WOS
1124. [1.1] HAN, Zhi-Long - DING, Ran - LIAO, Yi. LHC phenomenology of the type II seesaw mechanism: Observability of neutral scalars in the nondegenerate case. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 033014., Registrované v: WOS
1125. [1.1] HAN, Zhi-Long - WANG, Weijian. Z ' portal dark matter in B L

scotogenic Dirac model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 10, art. no. 839., Registrované v: WOS

1126. [1.1] HARADA, Junpei. Gauge coupling unification with extra Higgs doublets. In FORTSCHRITTE DER PHYSIK-PROGRESS OF PHYSICS. ISSN 0015-8208, 2016, vol. 64, no. 6-7, pp. 510-515., Registrované v: WOS

1127. [1.1] HARIGAYA, Keisuke - IBE, Masahiro - SCHMITZ, Kai - YANAGIDA, Tsutomu T. Cosmological selection of multi-TeV supersymmetry. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 749, pp. 298-303., Registrované v: WOS

1128. [1.1] HARIGAYA, Keisuke - IBE, Masahiro - SCHMITZ, Kai - YANAGIDA, Tsutomu T. Peccei-Quinn symmetry from dynamical supersymmetry breaking. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 075003-, Registrované v: WOS

1129. [1.1] HARIGAYA, Keisuke - IBE, Masahiro - SUZUKI, Motoo. Mass-splitting between haves and have-nots symmetry vs. Grand Unified Theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art. no. 155., Registrované v: WOS

1130. [1.1] HARIGAYA, Keisuke - ICHIKAWA, Koji - KUNDU, Anirban - MATSUMOTO, Shigeki - SHIRAI, Satoshi. Indirect probe of electroweak-interacting particles at future lepton colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art. no. 105., Registrované v: WOS

1131. [1.1] HARLANDER, Robert V. - KLAPPERT, Jonas - LIEBLER, Stefan - SIMON, Lukas. $vh@nnlo-v2$: new physics in Higgs Strahlung. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 089., Registrované v: WOS

1132. [1.1] HARLANDER, R. V. - KLAPPERT, J. - PANDINI, C. - PAPAEFSTATHIOU, A. Exploiting the WH/ZH symmetry in the search for new physics. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 760., Registrované v: WOS

1133. [1.1] HARMAN, Christopher P. D. - HUBER, Stephan J. Does zero temperature decide on the nature of the electroweak phase transition? In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 6, art. no. 005., Registrované v: WOS

1134. [1.1] HARTANTO, H. B. - JAEGER, B. - REINA, L. - WACKEROTH, D. Higgs boson production in association with top quarks in the POWHEG BOX. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 094003., Registrované v: WOS

1135. [1.1] HARTLING, Katy - KUMAR, Kunal - LOGAN, Heather E. Indirect constraints on the Georgi-Machacek model and implications for Higgs boson couplings. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 015013., Registrované v: WOS

1136. [1.1] HARZ, J. - HERRMANN, B. - KLASSEN, M. - KOVARIK, K. - MEINECKE, M. SUSY-QCD corrections to stop annihilation into electroweak final states including Coulomb enhancement effects. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 3, art. no. 034012., Registrované v: WOS

1137. [1.1] HASEGAWA, Kouhei - LIM, Chong-Sa - MARU, Nobuhito. Predictions of the Higgs Mass and the Weak Mixing Angle in the 6D Gauge-Higgs Unification. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2016, vol. 85, no. 7, art. no. 074101., Registrované v:

WOS

1138. [1.1] HASEGAWA, K. - LIM, C. S. Few remarks on the Higgs boson decays in gauge-Higgs unification. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055021., Registrované v: WOS

1139. [1.1] HASHEMI, Majid - HAGHIGHAT, Gholamhossein. Search for heavy neutral CP-even Higgs within lepton-specific 2HDM at a future linear collider. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 772, pp. 426-434., Registrované v: WOS

1140. [1.1] HASHEMI, Majid - HAGHIGHAT, Gholamhossein. Capability of future linear colliders to discover heavy neutral CP-even and CP-odd Higgs bosons within type-I 2HDM. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 9, art. no. 095005., Registrované v: WOS

1141. [1.1] HASHEMI, Majid - MAHDAVIKHORRAMI, Mostafa. Analysis of b quark pair production signal from neutral 2HDM Higgs bosons at future linear colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 485., Registrované v: WOS

1142. [1.1] HASHEMI, Majid - ZEBARJAD, Seyyed Mohammad - BAKHSHALIZADEH, Hossein. Observability of Charged Higgs Contribution in t-channel Single Top at LHC. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 5, pp. 2405-2416., Registrované v: WOS

1143. [1.1] HASHEMI, Majid. Leptophilic neutral Higgs bosons in two Higgs doublet model at a linear collider. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 5, art. no. 302., Registrované v: WOS

1144. [1.1] HASHEMI, Majid. Possibility of observing Higgs bosons at the ILC in the lepton-specific 2HDM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115004., Registrované v: WOS

1145. [1.1] HASHEMI, M. - AHMED, I. Observability of triple or double charged Higgs production in two Higgs doublet model type II at an $e^{+}e^{-}$ linear collider. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 4-5, art. no. 1550022., Registrované v: WOS

1146. [1.1] HASHEMI, M. - HAGHIGHAT, G. Search for neutral Higgs bosons decaying to $b\bar{b}$ in the flipped 2HDM at future $e^{-}e^{+}$ linear colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 29 2019, vol. 100, no. 1., Registrované v: WOS

1147. [1.1] HASHEMI, M. - HAGHIGHAT, G. Search for neutral Higgs bosons within type-I 2HDM at future linear colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 18 2019, vol. 79, no. 5., Registrované v: WOS

1148. [1.1] HASHINO, Katsuya - KAKIZAKI, Mitsuru - KANEMURA, Shinya - KO, Pyungwon - MATSUI, Toshinori. Gravitational waves and Higgs boson couplings for exploring first order phase transition in the model with a singlet scalar field. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 766, pp. 49-54., Registrované v: WOS

1149. [1.1] HASHINO, Katsuya - KAKIZAKI, Mitsuru - KANEMURA, Shinya - KO, Pyungwon - MATSUI, Toshinori. Gravitational waves from first order electroweak phase transition in models with the $U(1)(X)$ gauge symmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 088., Registrované v: WOS

1150. [1.1] HASHINO, Katsuya - KAKIZAKI, Mitsuru - KANEMURA, Shinya - MATSUI, Toshinori. Synergy between measurements of gravitational waves and the triple-Higgs coupling in probing the first-order electroweak phase transition. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015005., Registrované v: WOS
1151. [1.1] HASHINO, K. - JINNO, R. - KAKIZAKI, M. - KANEMURA, S. - TAKAHASHI, T. - TAKIMOTO, M. Selecting models of first-order phase transitions using the synergy between collider and gravitational-wave experiments. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 12 2019, vol. 99, no. 7., Registrované v: WOS
1152. [1.1] HATANAKA, Hisaki - JUNG, Dong-Won - KO, Pyungwon. AdS/QCD approach to the scale-invariant extension of the standard model with a strongly interacting hidden sector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 8, art. no. 094., Registrované v: WOS
1153. [1.1] HATANAKA, Hisaki - NISHIWAKI, Kenji - OKADA, Hiroshi - ORIKASA, Yuta. A three-loop neutrino model with global $U(1)$ symmetry. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 894, pp. 268-283., Registrované v: WOS
1154. [1.1] HATI, Chandan - PATRA, Sudhanwa - REIG, Mario - VALLE, Jose W. F. - VAQUERA-ARAUJO, C. A. Towards gauge coupling unification in left-right symmetric $SU(3)_c \times SU(3)_L \times SU(3)_R \times U(1)_X$ theories. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015004., Registrované v: WOS
1155. [1.1] HAUGEN, Kjetil K. - SANDNES, Frode E. The new Norwegian incentive system for publication: from bad to worse. In SCIENTOMETRICS. ISSN 0138-9130, 2016, vol. 109, no. 2, pp. 1299-1306., Registrované v: WOS
1156. [1.1] HAUGEN, K.K. - OLSEN, K.A. Could requiring a presentation of the paper and adding a formalized contributor list solve academia's credibility problem?. In SCIENTOMETRICS. ISSN 0138-9130, NOV 2019, vol. 121, no. 2, p. 1229-1233., Registrované v: WOS
1157. [1.1] HEBBAR, Aditya - SHAFI, Qaisar - UN, Cem Salih. Light Higgsinos, heavy gluino, and b-tau quasi-Yukawa unification: Prospects for finding the gluino at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115026., Registrované v: WOS
1158. [1.1] HEECK, Julian - HOLTHAUSEN, Martin - RODEJOHANN, Werner - SHIMIZU, Yusuke. Higgs $\rightarrow \mu \tau$ in Abelian and non-Abelian flavor symmetry models. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 896, pp. 281-310., Registrované v: WOS
1159. [1.1] HEINEMEYER, Sven - MONDRAGON, Myriam - PATELLIS, Gregory - TRACAS, Nicholas - ZOUPANOS, George. The LHC Higgs Boson Discovery: Updated Implications for Finite Unified Theories and the SUSY Breaking Scale. In SYMMETRY-BASEL. ISSN 2073-8994, 2018, vol. 10, no. 3, art. no. 62., Registrované v: WOS
1160. [1.1] HEINEMEYER, S. A Higgs boson below 125 GeV?! In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 31, art. no. 1844006., Registrované v: WOS
1161. [1.1] HEINEMEYER, S. - HERNANDEZ-GARCIA, J. - HERRERO, M. J. - MARCANO, X. - RODRIGUEZ-SANCHEZ, A. M. Radiative Corrections to M_h from Three Generations of Majorana Neutrinos and

Sneutrinos. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 152394., Registrované v: WOS

1162. [1.1] HEINEMEYER, S. - MONDRAGON, M. - TRACAS, N. - ZOUPANOS, G. Reduction of the parameters in MSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 150., Registrované v: WOS

1163. [1.1] HEINEMEYER, S. - MONDRAGON, M. - TRACAS, N. - ZOUPANOS, G. Reduction of couplings and its application in particle physics. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, JUN 20 2019, vol. 814, p. 1-43., Registrované v: WOS

1164. [1.1] HEINEMEYER, S. - SCHAPPACHER, C. Neutral Higgs boson production at $e(+)e(-)$ colliders in the complex MSSM: a full one-loop analysis. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, art. no. 220., Registrované v: WOS

1165. [1.1] HEINEMEYER, S. - SCHAPPACHER, C. Chargino and neutralino production at $e(+)e(-)$ colliders in the complex MSSM: a full one-loop analysis. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 649., Registrované v: WOS

1166. [1.1] HEINEMEYER, S. - SCHAPPACHER, C. Slepton production at $e(+)e(-)$ colliders in the complex MSSM: a full one-loop analysis. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 7, art. no. 536., Registrované v: WOS

1167. [1.1] HEINEMEYER, S. - SCHAPPACHER, C. Higgs decays into charginos and neutralinos in the complex MSSM: a full one-loop analysis. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 230., Registrované v: WOS

1168. [1.1] HEINEMEYER, S. - SCHAPPACHER, C. Heavy Higgs decays into sfermions in the complex MSSM: a full one-loop analysis. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 198., Registrované v: WOS

1169. [1.1] HEINEMEYER, S. - SCHAPPACHER, C. Charged Higgs Boson production at colliders in the complex MSSM: a full one-loop analysis. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 10, art. no. 535., Registrované v: WOS

1170. [1.1] HEKTOR, Andi - KANNIKE, Kristjan - MARZOLA, Luca. Muon $g-2$ and Galactic Centre gamma-ray excess in a scalar extension of the 2HDM type-X. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2015, no. 10, art. no. 025., Registrované v: WOS

1171. [1.1] HELLERMAN, Simeon - KEHAYIAS, John - YANAGIDA, Tsutomu T. Chaotic inflation from nonlinear sigma models in supergravity. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 742, pp. 390-393., Registrované v: WOS

1172. [1.1] HELMBOLDT, Alexander J. - LINDNER, Manfred. Prospects for three-body Higgs boson decays into extra light scalars. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055008., Registrované v: WOS

1173. [1.1] HENG ZHAO-XIA - LI DONG-WEI - ZHOU HAI-JING. Radiative Corrections to $e(+)e(-) \rightarrow Zh$ at Future Higgs Factory in the Minimal Dilaton Model. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2015, vol. 63, no. 2, pp. 188-194., Registrované v: WOS

1174. [1.1] HENG, Zhaoxia - GONG, Xue - ZHOU, Haijing. Pair production of Higgs boson in NMSSM at the LHC with the next-to-lightest CP-even Higgs boson being SM-like. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 7, art. no. 073103., Registrované v: WOS
1175. [1.1] HENG, Zhaoxia - ZHOU, Haijing. Higgs-strahlung production process $e^{(+)}e^{(-)} \rightarrow hZ$ at the future Higgs factory in the SM extension with color-octet scalars. In CHINESE JOURNAL OF PHYSICS. ISSN 0577-9073, 2016, vol. 54, no. 2, pp. 308-313., Registrované v: WOS
1176. [1.1] HENG, Z.X. - GUO, L. - SUN, P.Q. - WEI, W. Charged Higgs bosons in the NMSSM under current LHC constraints. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, SEP 14 2019, vol. 34, no. 28., Registrované v: WOS
1177. [1.1] HENNING, Brian - KEHAYIAS, John - MURAYAMA, Hitoshi - PINNER, David - YANAGIDA, Tsutomu T. A keV string axion from high scale supersymmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 4, art. no. 045036., Registrované v: WOS
1178. [1.1] HERDEIRO, Carlos A. R. - RADU, Eugen. Spinning boson stars and hairy black holes with nonminimal coupling. In INTERNATIONAL JOURNAL OF MODERN PHYSICS D. ISSN 0218-2718, 2018, vol. 27, no. 11, art. no. 1843009., Registrované v: WOS
1179. [1.1] HERDEIRO, Carlos A. R. - RADU, Eugen. Asymptotically flat black holes with scalar hair: A review. In INTERNATIONAL JOURNAL OF MODERN PHYSICS D. ISSN 0218-2718, 2015, vol. 24, no. 9, art. no. 1542014., Registrované v: WOS
1180. [1.1] HERDEIRO, Carlos - RADU, Eugen. Construction and physical properties of Kerr black holes with scalar hair. In CLASSICAL AND QUANTUM GRAVITY. ISSN 0264-9381, 2015, vol. 32, no. 14, art. no. 144001., Registrované v: WOS
1181. [1.1] HERNANDEZ-LEON, P. - MERLO, L. Distinguishing a Higgs-like dilaton scenario with a complete bosonic effective field theory basis. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075008., Registrované v: WOS
1182. [1.1] HERNER, Kenneth. Higgs Boson Studies at the Tevatron. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 852-856., Registrované v: WOS
1183. [1.1] HERRERO-GARCIA, Juan - NEBOT, Miguel - RIUS, Nuria - SANTAMARIA, Arcadi. Testing the Zee-Babu model via neutrino data, lepton flavour violation and direct searches at the LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 1678-1684., Registrované v: WOS
1184. [1.1] HERRERO-GARCIA, Juan - OHLSSON, Tommy - RIAD, Stella - WIREN, Jens. Full parameter scan of the Zee model: exploring Higgs lepton flavor violation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, art. no. 130., Registrované v: WOS
1185. [1.1] HERTZBERG, Mark P. A Correlation between the Higgs Mass and Dark Matter. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, art. no. 6295927., Registrované v: WOS
1186. [1.1] HERZOG, F. - RUIJL, B. - UEDA, T. - VERMASEREN, J. A. M. - VOGT, A. On Higgs decays to hadrons and the R-ratio at (NLO)-L-4. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, vol., no. 8,

art. no. 113., Registrované v: WOS

1187. [1.1] HESARI, Hoda - KHANPOUR, Hamzeh - NAJAFABADI, Mojtaba Mohammadi. Direct and indirect searches for top-Higgs FCNC couplings. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 113012., Registrované v: WOS

1188. [1.1] HESARI, Hoda - KHANPOUR, Hamzeh - NAJAFABADI, Mojtaba Mohammadi. Study of Higgs effective couplings at electron-proton colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095041., Registrované v: WOS

1189. [1.1] HESPEL, B. - MALTONI, F. - VRYONIDOU, E. Higgs and Z boson associated production via gluon fusion in the SM and the 2HDM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 065., Registrované v: WOS

1190. [1.1] HESSENBERGER, Stephan - HOLLIK, Wolfgang. Two-loop corrections to the rho parameter in Two-Higgs-Doublet models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 3, art. no. 178., Registrované v: WOS

1191. [1.1] HESSLER, Andre G. - IBARRO, Alejandro - MOLINARO, Emiliano - VOGL, Stefan. Probing the scotogenic FIMP at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 1, art. no. 100., Registrované v: WOS

1192. [1.1] HESSLER, A. G. - IBARRA, A. - MOLINARO, E. - VOGL, S. Impact of the Higgs boson on the production of exotic particles at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 11, art. no. 115004., Registrované v: WOS

1193. [1.1] HETZEL, Jamil - STECH, Berthold. Low-energy phenomenology of trinification: An effective left-right-symmetric model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 5, art. no. 055026., Registrované v: WOS

1194. [1.1] HE, Ping - MA, Yong-Liang. Topological Dark Matter from the Theory of Composite Electroweak Symmetry Breaking. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2018, vol. 70, no. 4, pp. 439-444., Registrované v: WOS

1195. [1.1] HE, Shi-Ping - MAO, Ying-nan - ZHANG, Chen - ZHU, Shou-hua. ZH & vertex in the simplest little Higgs model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075005., Registrované v: WOS

1196. [1.1] HE, Shi-Ping - ZHU, Shou-hua. One-loop radiative correction to the triple Higgs coupling in the Higgs singlet model. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 764, pp. 31-37., Registrované v: WOS

1197. [1.1] HE, Xiao-Gang - LI, Guan-Nan - ZHENG, Ya-Juan. Probing Higgs boson CP properties with $t(\bar{t})\gamma$ at the LHC and the 100 TeV pp collider. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 25, art. no. 1550156., Registrované v: WOS

1198. [1.1] HE, Xiao-Gang - TANDEAN, Jusak - ZHENG, Ya-Juan. Higgs decay $h \rightarrow \mu \tau$ with minimal flavor violation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, pp. 1-18., Registrované v: WOS

1199. [1.1] HICYILMAZ, Yasar - CEYLAN, Meltem - ALTAS, Asli - SOLMAZ, Levent - UN, Cem Salih. Quasi-Yukawa unification and fine-tuning

in U(1) extended SSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 095001., Registrované v: WOS

1200. [1.1] HICYILMAZ, Yasar - SOLMAZ, Levent - TANYILDIZI, Sukru Hanif - UN, Cem Salih. Least fine-tuned U(1) extended SSM. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 933, pp. 275-298., Registrované v: WOS

1201. [1.1] HIERRO, I. M. - KING, S. F. - RIGOLIN, S. Higgs portal dark matter and neutrino mass and mixing with a doubly charged scalar. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 769, pp. 121-128., Registrované v: WOS

1202. [1.1] HIERRO, I. M. - MERLO, L. - RIGOLIN, S. Sigma decomposition: the CP-odd Lagrangian. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 016., Registrované v: WOS

1203. [1.1] HIGAKI, Tetsutaro - NISHIDA, Michinobu - TAKEDA, Naoyuki. Flavor structure, Higgs boson mass, and dark matter in a supersymmetric model with vector-like generations. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2017, no. 8, art. no. 083B04., Registrované v: WOS

1204. [1.1] HILL, Richard J. - SOLON, Mikhail P. Standard model anatomy of WIMP dark matter direct detection. I. Weak-scale matching. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 4, art. no. 043504., Registrované v: WOS

1205. [1.1] HIOKI, Z. - OHKUMA, K. - UEJIMA, A. Studying flavor-changing neutral tqZ couplings: Current constraints and future prospects. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, NOV 10 2019, vol. 34, no. 34., Registrované v: WOS

1206. [1.1] HISANO, Junji - ISHIWATA, Koji - NAGATA, Natsumi. QCD effects on direct detection of wino dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 097., Registrované v: WOS

1207. [1.1] HISANO, Junji - KOBAYASHI, Daiki - KURAMOTO, Wataru - KUWAHARA, Takumi. Nucleon electric dipole moments in high-scale supersymmetric models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 11, art. no. 85., Registrované v: WOS

1208. [1.1] HISANO, Junji - KURAMOTO, Wataru - KUWAHARA, Takumi. Light stops, heavy Higgs, and heavy gluinos in supersymmetric standard models with extra matters. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2017, no. 3, art. no. 033B10., Registrované v: WOS

1209. [1.1] HISANO, Junji - KUWAHARA, Takumi - OMURA, Yuji. Threshold corrections to baryon number violating operators in supersymmetric SU(5) GUTs. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 898, pp. 1-29., Registrované v: WOS

1210. [1.1] HOFERICHTER, Martin - KLOS, Philipp - MENENDEZ, Javier - SCHWENK, Achim. Improved Limits for Higgs-Portal Dark Matter from LHC Searches. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 18, art. no. 181803., Registrované v: WOS

1211. [1.1] HOLLIK, Wolfgang Gregor. A new view on vacuum stability in the MSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 8, art. no. 126., Registrované v: WOS

1212. [1.1] HOLLIK, Wolfgang - LINDERT, Jonas M. - MIRABELLA, Edoardo - PAGANI, Davide. Electroweak corrections to squark-antisquark production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 8, art. no. 099., Registrované v: WOS
1213. [1.1] HOLLIK, Wolfgang - PASSEHR, Sebastian. Two-loop top-Yukawa-coupling corrections to the charged Higgs-boson mass in the MSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 7, art. no. 336., Registrované v: WOS
1214. [1.1] HOLLIK, W. Precision calculations for supersymmetric Higgs bosons. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 14, art. no. 1530040., Registrované v: WOS
1215. [1.1] HOMILLER, S. - MEADE, P. Measurement of the triple Higgs coupling at a HE-LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 11 2019, no. 3., Registrované v: WOS
1216. [1.1] HONG, Deog Ki - KIM, Du Hwan. Composite (pseudo) scalar contributions to muon $g-2$. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 758, pp. 370-372., Registrované v: WOS
1217. [1.1] HONG, Deog Ki - KIM, Du Hwan. Composite (pseudo) scalar contributions to muon $g-2$. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 758, pp. 370-372., Registrované v: WOS
1218. [1.1] HONG, Deog Ki. Very light dilaton and naturally light Higgs boson. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 102., Registrované v: WOS
1219. [1.1] HOOK, Anson - MURAYAMA, Hitoshi. Low-energy supersymmetry breaking without the gravitino problem. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 015004., Registrované v: WOS
1220. [1.1] HORVATH, D. Higgs and BSM Studies at the LHC. In UNIVERSE. ISSN 2218-1997, JUL 2019, vol. 5, no. 7., Registrované v: WOS
1221. [1.1] HOSSEINKHANI, H. - MODARRES, M. - OLANJ, N. Transverse momentum dependent (TMD) parton distribution functions generated in the modified DGLAP formalism based on the valence-like distributions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 19-20, art. no. 1750121., Registrované v: WOS
1222. [1.1] HOU, Wei-Shu - KIKUCHI, Mariko. Approximate alignment in two-Higgs-doublet model with extra Yukawa couplings. In EPL. ISSN 0295-5075, 2018, vol. 123, no. 1, art. no. 11001., Registrované v: WOS
1223. [1.1] HOU, Wei-Shu - KOHDA, Masaya - MODAK, Tanmoy. Constraining a lighter exotic scalar via same-sign top. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 786, pp. 212-216., Registrované v: WOS
1224. [1.1] HOU, Wei-Shu. Connecting Electroweak Symmetry Breaking and Flavor: A Light Dilaton D and a Sequential Heavy Quark Doublet Q . In SYMMETRY-BASEL. ISSN 2073-8994, 2018, vol. 10, no. 8, art. no. 312., Registrované v: WOS
1225. [1.1] HOU, W.S. - KOHDA, M. - MODAK, T. Top-assisted di-Higgs boson production motivated by baryogenesis. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 29 2019, vol. 99, no. 5., Registrované v: WOS
1226. [1.1] HO, Shu-Yu - TOMA, Takashi - TSUMURA, Koji. Systematic $U(1)(B-L)$ extensions of loop-induced neutrino mass models with dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 033007., Registrované v: WOS

1227. [1.1] HO, Yuh-Shan - HARTLEY, James. Classic articles published by American scientists (1900-2014): a bibliometric analysis. In CURRENT SCIENCE. ISSN 0011-3891, 2016, vol. 111, no. 7, pp. 1156-1165., Registrované v: WOS
1228. [1.1] HSIEHCHEN, David - ESPINOZA, Magdalena - HSIEH, Antony. The Cooperative Landscape of Multinational Clinical Trials. In PLOS ONE. ISSN 1932-6203, 2015, vol. 10, no. 6, art. no. UNSP e0130930., Registrované v: WOS
1229. [1.1] HUANG, Fa Peng - LI, Chong Sheng. Electroweak baryogenesis in the framework of the effective field theory. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 075014., Registrované v: WOS
1230. [1.1] HUANG, Fa Peng - QIAN, Zhuoni - ZHANG, Mengchao. Exploring dynamical CP violation induced baryogenesis by gravitational waves and colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 015014., Registrované v: WOS
1231. [1.1] HUANG, Kerson. Quantum vorticity in nature. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 25, art. no. 1530056., Registrované v: WOS
1232. [1.1] HUANG, Peisi - ISMAIL, Ahmed - LOW, Ian - WAGNER, Carlos E. M. Same-sign dilepton excesses and light top squarks. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 075035., Registrované v: WOS
1233. [1.1] HUANG, Peisi - JOGLEKAR, Aniket - LI, Min - WAGNER, Carlos E. M. Corrections to di-Higgs boson production with light stops and modified Higgs couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075001., Registrované v: WOS
1234. [1.1] HUANG, Peisi - WAGNER, Carlos E. M. CMS kinematic edge from sbottoms. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 015014., Registrované v: WOS
1235. [1.1] HUANG, Qing-Guo - PI, Shi. Power-law modulation of the scalar power spectrum from a heavy field with a monomial potential. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 4, art. no. 001., Registrované v: WOS
1236. [1.1] HUANG, T. - NO, J. M. - PERNIE, L. - RAMSEY-MUSOLF, M. - SAFONOV, A. - SPANNOVSKY, M. - WINSLOW, P. Resonant di-Higgs boson production in the $b(\bar{b})\gamma\gamma$ channel: Probing the electroweak phase transition at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035007., Registrované v: WOS
1237. [1.1] HUANG, Weicong - KANG, Zhaofeng - SHU, Jing - WU, Peiwen - YANG, Jin Min. New insights in the electroweak phase transition in the NMSSM. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 2, art. no. 025006., Registrované v: WOS
1238. [1.1] HUANG, Wei-Chih - TSAI, Yue-Lin Sming - YUAN, Tzu-Chiang. G2HDM: Gauged Two Higgs Doublet Model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 019., Registrované v: WOS
1239. [1.1] HUANG, Xiaoyuan - TSAI, Yue-Lin Sming - YUAN, Qiang. LIKEDM: Likelihood calculator of dark matter detection. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2017, vol. 213, pp.

252-263., Registrované v: WOS

1240. [1.1] HUANG, Yanping. Property measurement of the Higgs boson in the gamma gamma final state with the ATLAS detector at the LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 2470-2472., Registrované v: WOS

1241. [1.1] HUBSCH, T. Advanced Concepts in Particle and Field Theory. In ADVANCED CONCEPTS IN PARTICLE AND FIELD THEORY, 2015, pp. 1-563., Registrované v: WOS

1242. [1.1] HUE, L. T. - ARBUZOV, A. B. - HONG, T. T. - NGUYEN, T. Phong - SI, D. T. - LONG, H. N. General one-loop formulas for decay $h \rightarrow Z$ gamma. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 11, art. no. 885., Registrované v: WOS

1243. [1.1] HUE, L. T. - HUONG, D. T. - LONG, H. N. - HUNG, H. T. - THAO, N. H. Signal of doubly charged Higgs at $e^{(+)} e^{(-)}$ colliders. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2015, no. 11, art. no. 113B05., Registrované v: WOS

1244. [1.1] HUE, L. T. - LONG, H. N. - THUC, T. T. - PHONG NGUYEN, T. Lepton flavor violating decays of Standard-Model-like Higgs in 3-3-1 model with neutral lepton. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 907, pp. 37-76., Registrované v: WOS

1245. [1.1] HUFFEL, Helmuth - MARKOVIC, Danijel. Perturbative Yang-Mills theory without Faddeev-Popov ghost fields. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 780, pp. 418-421., Registrované v: WOS

1246. [1.1] HUITU, Katri - KARKKAINEN, Timo J. - MONDAL, Subhadeep - RAI, Santosh Kumar. Exploring collider aspects of a neutrinophilic Higgs doublet model in multilepton channels. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 035026., Registrované v: WOS

1247. [1.1] HUITU, K. A minimal supersymmetric left-right model, dark matter and signals at the LHC. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 21, SI, p. 3187-3203., Registrované v: WOS

1248. [1.1] HUNG, P. Q. - TRINH LE - VAN QUE TRAN - YUAN, Tzu-Chiang. Lepton flavor violating radiative decays in EW-scale $\nu(R)$ model: an update. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 12, art. no. 169., Registrované v: WOS

1249. [1.1] HUSDAL, Lars. On Effective Degrees of Freedom in the Early Universe. In GALAXIES. ISSN 2075-4434, 2016, vol. 4, no. 4, art. no. 78., Registrované v: WOS

1250. [1.1] HUSSAIN, Mureed - USMAN, Muhammad - PARACHA, Muhammad Ali - ASLAM, Muhammad Jamil. Constraints on two-Higgs-doublet model parameters in light of rare B decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075009., Registrované v: WOS

1251. [1.1] HUSSAIN, M. - HUSSAIN, R. Yukawa unification with light supersymmetric particles consistent with LHC constraints. In NUCLEAR PHYSICS B. ISSN 0550-3213, MAY 2019, vol. 942, p. 30-44., Registrované v: WOS

1252. [1.1] CHABAB, M. - PEYRANERE, M. C. - RAHILI, L. Probing the Higgs sector of $Y=0$ Higgs triplet model at LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 10, art. no. 873., Registrované v: WOS

1253. [1.1] CHABAB, M. - PEYRANERE, M. C. - RAHILI, L. Naturalness in a type II seesaw model and implications for physical scalars. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115021., Registrované v: WOS
1254. [1.1] CHABERT, Eric. Results on top-quark physics and top-quark-like signatures by CMS. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC. ISSN 1742-6588, 2017, vol. 878, art. no. 012009., Registrované v: WOS
1255. [1.1] CHACKO, Zackaria - CURTIN, David - VERHAAREN, Christopher B. A quirky probe of neutral naturalness. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 011504., Registrované v: WOS
1256. [1.1] CHACKO, Zackaria - KILIC, Can - NAJJARI, Saereh - VERHAAREN, Christopher B. Testing the scalar sector of the twin Higgs model at colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055031., Registrované v: WOS
1257. [1.1] CHACKO, Z. - KILIC, C. - NAJJARI, S. - VERHAAREN, C.B. Collider signals of the Mirror Twin Higgs boson through the hypercharge portal. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 29 2019, vol. 100, no. 3., Registrované v: WOS
1258. [1.1] CHADOU, I. - MEBARKI, N. - BEKLI, M. R. Minimal NCSM Direct Photon Production in Proton-antiproton Collisions. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2017, vol. 56, no. 10, pp. 3271-3284., Registrované v: WOS
1259. [1.1] CHAKRABARTY, Nabarun. High-scale validity of a model with three Higgs doublets. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075025., Registrované v: WOS
1260. [1.1] CHAKRABARTY, Nabarun - MUKHOPADHYAYA, Biswarup. High-scale validity of a two-Higgs-doublet scenario: Predicting collider signals. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035028., Registrované v: WOS
1261. [1.1] CHAKRABARTY, Nabarun - MUKHOPADHYAYA, Biswarup. High-scale validity of a two-Higgs-doublet scenario: metastability included. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 3, art. no. 153., Registrované v: WOS
1262. [1.1] CHAKRABARTY, Nabarun - GHOSH, Dilip Kumar - MUKHOPADHYAYA, Biswarup - SAHA, Ipsita. Dark matter, neutrino masses, and high scale validity of an inert Higgs doublet model. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 015002., Registrované v: WOS
1263. [1.1] CHAKRABARTY, Nabarun - HAN, Tao - LIU, Zhen - MUKHOPADHYAYA, Biswarup. Radiative return for heavy Higgs boson at a muon collider. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 015008., Registrované v: WOS
1264. [1.1] CHAKRABARTY, N. - CHAKRABORTY, I. - GHOSH, D.K. Fingerprinting the contribution of colored scalars to the $H^+W^-Z(\gamma)$ vertex. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 5 2020, vol. 80, no. 12., Registrované v: WOS
1265. [1.1] CHAKRABORTI, Manimala - CHATTOPADHYAY, Utpal - RAO, Soumya - ROY, D. P. Higgsino dark matter in nonuniversal gaugino mass models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art.

no. 035022., Registrované v: WOS

1266. [1.1] CHAKRABORTI, S. - BANIK, A.D. - ISLAM, R. Probing multicomponent extension of inert doublet model with a vector dark matter. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 7 2019, vol. 79, no. 8., Registrované v: WOS

1267. [1.1] CHAKRABORTTY, Joydeep - CHOUDHURY, Arghya - MONDAL, Subhadeep. Non-universal gaugino mass models under the lamppost of muon (g-2). In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 7, art. no. 038., Registrované v: WOS

1268. [1.1] CHAKRABORTTY, Joydeep - GHOSH, Pradipta - MONDAL, Subhadeep - SRIVASTAVA, Tripurari. Reconciling (g-2)(mu) and charged lepton flavor violating processes through a doubly charged scalar. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115004., Registrované v: WOS

1269. [1.1] CHAKRABORTTY, J. - GLUZA, J. - JELINSKI, T. - SRIVASTAVA, T. Theoretical constraints on masses of heavy particles in Left-Right symmetric models. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 759, pp. 361-368., Registrované v: WOS

1270. [1.1] CHAKRABORTY, Amit - CHAKRABORTY, Sabyasachi. Probing (g-2)(mu) at the LHC in the paradigm of R-parity violating MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075035., Registrované v: WOS

1271. [1.1] CHAKRABORTY, Amit - MAITRA, Ushoshi - RAYCHAUDHURI, Sreerup - SAMUI, Tousik. Mixed Higgs-radion states at the LHC a detailed study. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 922, pp. 41-61., Registrované v: WOS

1272. [1.1] CHAKRABORTY, Amit - IYER, Abhishek M. - ROY, Tuhin S. A framework for finding anomalous objects at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 932, pp. 439-470., Registrované v: WOS

1273. [1.1] CHAKRABORTY, Amit - GHOSH, Dilip Kumar. A mini review on CP-violating minimal supersymmetric Standard Model Higgs. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2016, vol. 87, no. 3, art. no. UNSP 42., Registrované v: WOS

1274. [1.1] CHAKRABORTY, Indrani - MUKHOPADHYAYA, Biswarup - MONDAL, Subhadeep. Lepton flavor violating Higgs boson decay at e(+)e(-) colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 115020., Registrované v: WOS

1275. [1.1] CHAKRABORTY, Indrani - KUNDU, Anirban. Naturalness problem: Off the beaten track. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2016, vol. 87, no. 3, art. no. UNSP 38., Registrované v: WOS

1276. [1.1] CHAKRABORTY, Sabyasachi - DATTA, AseshKrishna - HUITU, Katri - ROY, Sourov - WALTARI, Harri. Light top squarks in a U(1)(R) lepton number model with a right handed neutrino and the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075005., Registrované v: WOS

1277. [1.1] CHAKRABORTY, Sabyasachi - DATTA, AseshKrishna - ROY, Sourov. h> gamma gamma in U(1)(R)lepton number model with a right-handed neutrino. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 2, pp. 1-48., Registrované v: WOS

1278. [1.1] CHAKRABORTY, Sabyasachi. Some phenomenological studies of a $U(1)(R)$ - lepton number model with a right handed neutrino. In IWTCP-2 AND NCTP-39. ISSN 1742-6588, 2015, vol. 627, art. no. 012008., Registrované v: WOS
1279. [1.1] CHAKRABORTY, Sabyasachi - CHAKRABORTY, Amit - RAYCHAUDHURI, Sreerup. Diphoton resonance at 750 GeV in the broken R-symmetric MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035014., Registrované v: WOS
1280. [1.1] CHAKRAVARTY, Girish Kumar - GUPTA, Gaveshna - LAMBIASE, Gaetano - MOHANTY, Subhendra. Plateau inflation in SUGRA-MSSM. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 760, pp. 263-266., Registrované v: WOS
1281. [1.1] CHAKRAVARTY, G. K. - MOHANTY, S. - LAMBIASE, G. Testing theories of gravity and supergravity with inflation and observations of the cosmic microwave background. In INTERNATIONAL JOURNAL OF MODERN PHYSICS D. ISSN 0218-2718, 2017, vol. 26, no. 13, art. no. 1730023., Registrované v: WOS
1282. [1.1] CHALA, Mikael - NARDINI, Germano - SOBOLEV, Ivan. Unified explanation for dark matter and electroweak baryogenesis with direct detection and gravitational wave signatures. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055006., Registrované v: WOS
1283. [1.1] CHALL, Cristin. Doubts for Dawid's non-empirical theory assessment. In STUDIES IN HISTORY AND PHILOSOPHY OF MODERN PHYSICS. ISSN 1355-2198, 2018, vol. 63, pp. 128-135., Registrované v: WOS
1284. [1.1] CHALONS, G. - DJOUADI, A. - QUEVILLON, J. The neutral Higgs self-couplings in the (h)MSSM. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 780, pp. 74-80., Registrované v: WOS
1285. [1.1] CHANG, Chia-Feng - MA, Ernest - YUAN, Tzu-Chiang. Dark U (1). In IWTCP-2 AND NCTP-39. ISSN 1742-6588, 2015, vol. 627, art. no. 012002., Registrované v: WOS
1286. [1.1] CHANG, Jung - CHEUNG, Kingman - LEE, Jae Sik - LU, Chih-Ting - PARK, Jubin. Measuring properties of a heavy Higgs boson in the $H \rightarrow ZZ \rightarrow 4l$ decay. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 12, art. no. 053., Registrované v: WOS
1287. [1.1] CHANG, Jung - CHEUNG, Kingman - LEE, Jae Sik - LU, Chih-Ting. Entangling Higgs production associated with a single top and a top-quark pair in the presence of anomalous top-Yukawa coupling. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, art. no. 138., Registrované v: WOS
1288. [1.1] CHANG, Jung - CHEUNG, Kingman - LEE, Jae Sik - LU, Chih-Ting - PARK, Jubin. Measuring properties of a Heavy Higgs boson in the $H \rightarrow t(\bar{t}) \rightarrow bW^{+}(b)\bar{W}^{-}$ decay. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 162., Registrované v: WOS
1289. [1.1] CHANG, J. - CHEUNG, K. - LEE, J.S. - LU, C.T. - PARK, J. Higgs-boson-pair production $H \rightarrow b(\bar{b})H \rightarrow \gamma\gamma$ from gluon fusion at the HL-LHC and HL-100 TeV hadron collider. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 4 2019, vol. 100, no. 9., Registrované v: WOS
1290. [1.1] CHANG, Sanghyeon - KANG, Sin Kyu - LEE, Jong-Phil -

- SONG, Jeonghyeon. Higgs potential and hidden light Higgs scenario in two Higgs doublet models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 075023., Registrované v: WOS
1291. [1.1] CHANG, Spencer - GALLOWAY, Jamison - LUTY, Markus A. - SALVIONI, Ennio - TSAI, Yuhsin. Phenomenology of induced electroweak symmetry breaking. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 3, art. no. 017., Registrované v: WOS
1292. [1.1] CHAN, Chen-Hsun - CHEUNG, Kingman - CHUNG, Yi-Lun - HSU, Pai-Hsien. Vector boson fusion versus gluon fusion. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 096009., Registrované v: WOS
1293. [1.1] CHAO, Wei. Electroweak baryogenesis in the exceptional supersymmetric standard model. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2015, no. 8, art. no. 055., Registrované v: WOS
1294. [1.1] CHAO, Wei. First order electroweak phase transition triggered by the Higgs portal vector dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 1, art. no. 015025., Registrované v: WOS
1295. [1.1] CHARAF, Otman. Search for heavy resonances at CMS. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2014). ISSN 1742-6588, 2015, vol. 623, art. no. 012007., Registrované v: WOS
1296. [1.1] CHATTERJEE, Arindam - DUTTA, Juhi - RAI, Santosh Kumar. Natural SUSY at LHC with right-sneutrino LSP. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 042., Registrované v: WOS
1297. [1.1] CHATTERJEE, Arindam - CHOUDHURY, Arghya - DATTA, Amitava - MUKHOPADHYAYA, Biswarup. Gluino mass limits with sbottom NLSP in coannihilation scenarios. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 1, art. no. 154., Registrované v: WOS
1298. [1.1] CHATTERJEE, A. - FRANK, M. - FUKS, B. - HUITU, K. - MONDAL, S. - RAI, S.K. - WALTARI, H. Multileptonic signals of co-annihilating left-right supersymmetric dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 15 2019, vol. 99, no. 3., Registrované v: WOS
1299. [1.1] CHATTERJEE, Chandrasekar - KURACHI, Masafumi - NITTA, Muneto. Topological defects in the Georgi-Machacek model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115010., Registrované v: WOS
1300. [1.1] CHATTOPADHYAY, Pratik - PATEL, Ketan M. Discrete symmetries for electroweak natural type-I seesaw mechanism. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 921, pp. 487-506., Registrované v: WOS
1301. [1.1] CHATTOPADHYAY, Utpal - DATTA, AseshKrishna - MUKHERJEE, Samadrita - SWAIN, Abhaya Kumar. Sbottoms as probes to MSSM with nonholomorphic soft interactions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 202., Registrované v: WOS
1302. [1.1] CHATTOPADHYAY, Utpal - DAS, Debottam - MUKHERJEE, Samadrita. Exploring non-holomorphic soft terms in the framework of gauge mediated supersymmetry breaking. In JOURNAL OF HIGH ENERGY

PHYSICS. ISSN 1029-8479, 2018, no. 1, art. no. 158., Registrované v: WOS

1303. [1.1] CHATTOPADHYAY, Utpal - DEY, Abhishek. Probing non-holomorphic MSSM via precision constraints, dark matter and LHC data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 10, art. no. 027., Registrované v: WOS

1304. [1.1] CHAU, Ling-Lie. Yang-Mills theory at 60: Milestones, landmarks and interesting questions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 36, art. no. 1530068., Registrované v: WOS

1305. [1.1] CHECCHIA, Paolo. BEH Boson properties from CMS results. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 01006., Registrované v: WOS

1306. [1.1] CHECCHIA, Paolo. Implications of a 125 GeV Higgs boson. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 7, art. no. 1530003., Registrované v: WOS

1307. [1.1] CHENG, Hsin-Chia - GAO, Christina - LI, Lingfeng - NEILL, Nicolas A. Stop search in the compressed region via semileptonic decays. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 036., Registrované v: WOS

1308. [1.1] CHENG, Hsin-Chia - LI, Lingfeng - SALVIONI, Ennio - VERHAAREN, Christopher B. Singlet scalar top partners from accidental supersymmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 057., Registrované v: WOS

1309. [1.1] CHENG, H.C. - GAO, C. - LI, L.F. Compressed stop searches with two leptons and two b-jets. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, MAR 2019, vol. 46, no. 3., Registrované v: WOS

1310. [1.1] CHENG, Li - VALENCIA, German. Two Higgs doublet models augmented by a scalar colour octet. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 9, art. no. 079., Registrované v: WOS

1311. [1.1] CHENG, L. - EBERHARDT, O. - MURPHY, C.W. Novel theoretical constraints for color-octet scalar models. In CHINESE PHYSICS C. ISSN 1674-1137, SEP 2019, vol. 43, no. 9., Registrované v: WOS

1312. [1.1] CHENG, Taoli - LI, Jinmian - LI, Tianjun. Supersymmetry with a heavy lightest supersymmetric particle. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 6, art. no. 065004., Registrované v: WOS

1313. [1.1] CHENG, Wei - BIAN, Ligong. From inflation to cosmological electroweak phase transition with a complex scalar singlet. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 2, art. no. 023524., Registrované v: WOS

1314. [1.1] CHEN, W. - FENG, F. - JIA, Y. - SANG, W.L. Mixed electroweak-QCD corrections to $e^{+}e^{-} \rightarrow \mu^{+}\mu^{-} H$ at CEPC with finite-width effect. In CHINESE PHYSICS C. ISSN 1674-1137, JAN 2019, vol. 43, no. 1., Registrované v: WOS

1315. [1.1] CHERCHIGLIA, Adriano - KNESCHKE, Patrick - STOECKINGER, Dominik - STOECKINGER-KIM, Hyejung. The muon magnetic moment in the 2HDM: complete two-loop result. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 1, art. no. 007.,

Registrované v: WOS

1316. [1.1] CHERCHIGLIA, A. L. - NISHI, C. C. One-loop considerations for coexisting vacua in the CP conserving 2HDM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 11, art. no. 106., Registrované v: WOS

1317. [1.1] CHEUNG, Kingman - HE, Shi-Ping - MAO, Ying-nan - TSENG, Po-Yan - ZHANG, Chen. Phenomenology of a little Higgs pseudoaxion. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075023., Registrované v: WOS

1318. [1.1] CHEUNG, Kingman - KEUNG, Wai-Yee - TSENG, Po-Yan. CP violating mode of the stoponium decay into Zh. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 025., Registrované v: WOS

1319. [1.1] CHEUNG, Kingman - KO, P. - LEE, Jae Sik - TSENG, Po-Yan. Bounds on Higgs-portal models from the LHC Higgs data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 10, art. no. 057., Registrované v: WOS

1320. [1.1] CHEUNG, Kingman - KO, P. - LEE, Jae Sik - PARK, Jubin - TSENG, Po-Yan. Higgs precision study of the 750 GeV diphoton resonance and the 125 GeV standard model Higgs boson with Higgs-singlet mixing. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 033010., Registrované v: WOS

1321. [1.1] CHEUNG, Kingman - LEE, Jae Sik - TSENG, Po-Yan. Higgs data constraints on the minimal supersymmetric standard model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 095004., Registrované v: WOS

1322. [1.1] CHEUNG, Yeuk-Kwan E. - DREWES, Marco - KANG, Jin U. - KIM, Jong Chol. Effective action for cosmological scalar fields at finite temperature. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 8, art. no. 059., Registrované v: WOS

1323. [1.1] CHIANG, C.W. - COTTIN, G. - EBERHARDT, O. Global fits in the Georgi-Machacek model. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 2 2019, vol. 99, no. 1., Registrované v: WOS

1324. [1.1] CHIANG, C.W. - LI, Y.T. - SENAHA, E. Revisiting electroweak phase transition in the standard model with a real singlet scalar. In PHYSICS LETTERS B. ISSN 0370-2693, FEB 10 2019, vol. 789, p. 154-159., Registrované v: WOS

1325. [1.1] CHIANG, Cheng-Wei - HE, Xiao-Gang - YE, Fang - YUAN, Xing-Bo. Constraints and implications on Higgs FCNC couplings from precision measurement of $B \rightarrow s \mu^+ \mu^-$ decay. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035032., Registrované v: WOS

1326. [1.1] CHIANG, Cheng-Wei - HE, Xiao-Gang - LI, Gang. Measuring the ratio of HWW and HZZ couplings through W^+W^-H production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 126., Registrované v: WOS

1327. [1.1] CHIANG, Cheng-Wei - NOMURA, Takaaki - KEI YAGYU. Leptophobic Z' in models with multiple Higgs doublet fields. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 5, art. no. 127., Registrované v: WOS

1328. [1.1] CHIESA, Mauro - GREINER, Nicolas - SCHOENHERR,

Marek - TRAMONTANO, Francesco. Electroweak corrections to diphoton plus jets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 10, art. no. 181., Registrované v: WOS

1329. [1.1] CHIGUSA, So - MOROI, Takeo - SHOJI, Yutaro. State-of-the-Art Calculation of the Decay Rate of Electroweak Vacuum in the Standard Model. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 21, art. no. 211801., Registrované v: WOS

1330. [1.1] CHIU, Wei-Chi - GENG, Chao-Qiang - HUANG, Da. Correlation between muon $g-2$ and $\mu \rightarrow e \gamma$. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 013006., Registrované v: WOS

1331. [1.1] CHIU, Wen Han - LEUNG, Sze Ching - LIU, Tao - LYU, Kun-Feng - WANG, Lian-Tao. Probing 6D operators at future $e(-)e(+)$ colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 081., Registrované v: WOS

1332. [1.1] CHIVUKULA, R. Sekhar - FARZINNIA, Arsham - SIMMONS, Elizabeth H. Vacuum stability and triviality analyses of the renormalizable coloron model. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 055002., Registrované v: WOS

1333. [1.1] CHIVUKULA, R. Sekhar - FOADI, Roshan - FOREN, Dennis - SIMMONS, Elizabeth H. Direct search implications for a custodially-embedded composite top. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 014002., Registrované v: WOS

1334. [1.1] CHOI, Ki-Young - KIM, Jongkuk - SETO, Osamu. Thermal production of light Dirac right-handed sneutrino dark matter. In PHYSICS OF THE DARK UNIVERSE. ISSN 2212-6864, 2018, vol. 22, pp. 96-100., Registrované v: WOS

1335. [1.1] CHOI, Seong Youl - HAN, Tao - KALINOWSKI, Jan - ROLBIECKI, Krzysztof - WANG, Xing. Characterizing invisible electroweak particles through single-photon processes at high energy $e(+)e(-)$ colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 095006., Registrované v: WOS

1336. [1.1] CHOI, S. Y. - CHRISTENSEN, N. D. - SALMON, D. - WANG, X. Spin and chirality effects in antler-topology processes at high energy $e(+)e(-)$ colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 10, art. no. 481., Registrované v: WOS

1337. [1.1] CHOUDHURY, Arghya - MONDAL, Subhadeep. Revisiting the exclusion limits from direct chargino-neutralino production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055024., Registrované v: WOS

1338. [1.1] CHOUDHURY, Debajyoti - GHOSH, Dilip Kumar - RAI, Santosh Kumar - SAHA, Ipsita. Little Higgs after the little one. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 6, art. no. 074., Registrované v: WOS

1339. [1.1] CHOUDHURY, Ishita Dutta - LAHIRI, Amitabha. Anomalous chromomagnetic moment of quarks. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2015, vol. 30, no. 23, art. no. 1550113., Registrované v: WOS

1340. [1.1] CHOUDHURY, Sayantan - MITRA, Joydip - SENGUPTA, Soumitra. Fermion localization in higher curvature spacetime. In CLASSICAL AND QUANTUM GRAVITY. ISSN 0264-9381, 2018, vol. 35, no. 2, art. no. 025007., Registrované v: WOS

1341. [1.1] CHOUDHURY, Somnath. Higgs Boson decay to Tau Pairs at the CMS Experiment. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. 10005., Registrované v: WOS
1342. [1.1] CHOUDHURY, Somnath. Measurements of the Higgs Boson at the LHC and Tevatron. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. 05002., Registrované v: WOS
1343. [1.1] CHOWDHURY, Debtosh - PATEL, Ketan M. - TATA, Xerxes - VEMPATI, Sudhir K. Indirect searches of the degenerate MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075025., Registrované v: WOS
1344. [1.1] CHOWDHURY, Debtosh - EBERHARDT, Otto. Update of global Two-Higgs-Doublet model fits. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 161., Registrované v: WOS
1345. [1.1] CHO, Jin-Hwan - KIM, Tae Young - SONG, Jeonghyeon. Constraints from Heavy Higgs Boson Masses in the two Higgs Doublet Model. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2018, vol. 73, no. 3, pp. 289-296., Registrované v: WOS
1346. [1.1] CHO, Kihyeon - KINI, Jangho - KIM, Junghyun. Research and development of the evolving architecture for beyond the Standard Model. In 21ST INTERNATIONAL CONFERENCE ON COMPUTING IN HIGH ENERGY AND NUCLEAR PHYSICS (CHEP2015), PARTS 1-9. ISSN 1742-6588, 2015, vol. 664, art. no. 072011., Registrované v: WOS
1347. [1.1] CHO, Kihyeon. Computational Science-based Research on Dark Matter at KISTI. In JOURNAL OF ASTRONOMY AND SPACE SCIENCE. ISSN 2093-5587, 2017, vol. 34, no. 2, pp. 153-159., Registrované v: WOS
1348. [1.1] CHO, Won Sang - GAINER, James S. - KIM, Dojin - MATCHEV, Konstantin T. - MOORTGAT, Filip - PAPE, Luc - PARK, Myeonghun. Improving the sensitivity of stop searches with on-shell constrained invariant mass variables. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 5, art. no. 040., Registrované v: WOS
1349. [1.1] CHRISTIANSEN, Jesper R. - SJOSTRAND, Torbjorn. Color reconnection at future $e(+)e(-)$ colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 441., Registrované v: WOS
1350. [1.1] CHUNG, Daniel J. H. Ward identity and basis tensor gauge theory at one loop. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 12, art. no. 125003., Registrované v: WOS
1351. [1.1] CHUNG, Daniel J. H. - LU, Ran. Basis tensor gauge theory: Reformulating gauge theories with basis tensor fields. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 10, art. no. 105016., Registrované v: WOS
1352. [1.1] IACOBELLIS, Giuseppe - MASINA, Isabella. Stationary configurations of the Standard Model Higgs potential: Electroweak stability and rising inflection point. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 073005., Registrované v: WOS
1353. [1.1] IBANEZ, Luis E. - MARCHESANO, Fernando - VALENZUELA, Irene. Higgs-otic inflation and string theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 1, art. no. 128.,

Registrované v: WOS

1354. [1.1] IBARRA, Alejandro - YAGUNA, Carlos E. - ZAPATA, Oscar. Direct detection of fermion dark matter in the radiative seesaw model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 035012.,

Registrované v: WOS

1355. [1.1] IBE, M. - SUZUKI, M. - YANAGIDA, T.T. - YOKOZAKI, N. Muon $g-2$ in Split-Family SUSY in light of LHC run II. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 14 2019, vol. 79, no. 8.,

Registrované v: WOS

1356. [1.1] IBRAHIM, Tarek - ITANI, Ahmad - NATH, Pran - ZORIK, Anas. Flavor violating top decays and flavor violating quark decays of the Higgs boson. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 22, art. no. 1750135., Registrované v: WOS

1357. [1.1] IBRAHIM, Tarek - NATH, Pran - ZORIK, Anas. Higgs boson mass constraint and the CP even-CP odd Higgs boson mixing in an MSSM extension. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035029., Registrované v: WOS

1358. [1.1] IGURO, Syuhei - OMURA, Yuji. Status of the semileptonic B decays and muon $g-2$ in general 2HDMs with right-handed neutrinos. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 173., Registrované v: WOS

1359. [1.1] ILISIE, Victor. Bounds on neutral and charged Higgs from the LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 678-683., Registrované v: WOS

1360. [1.1] ILISIE, Victor. New Barr-Zee contributions to $(g-2)(\mu)$ in two-Higgs-doublet models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 077., Registrované v: WOS

1361. [1.1] ILNICKA, Agnieszka - ROBENS, Tania - STEFANIAK, Tim. Constraining extended scalar sectors at the LHC and beyond. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2018, vol. 33, no. 10-11, art. no. 1830007., Registrované v: WOS

1362. [1.1] ISHIDA, Hiroyuki - MATSUZAKI, Shinya - OKAWA, Shohei - OMURA, Yuji. Scale generation via dynamically induced multiple seesaw mechanisms. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075033., Registrované v: WOS

1363. [1.1] ISHIDA, Makoto - NISHIWAKI, Kenji - TATSUTA, Yoshiyuki. Brane-localized masses in magnetic compactifications. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095036., Registrované v: WOS

1364. [1.1] ISHIDA, Makoto - NISHIWAKI, Kenji - TATSUTA, Yoshiyuki. Seesaw mechanism in magnetic compactifications. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 125., Registrované v: WOS

1365. [1.1] ISHIWATA, Koji - YONEKURA, Yuki. Longitudinal W boson scattering in a light scalar top scenario. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015009., Registrované v: WOS

1366. [1.1] ITOYAMA, Hiroshi - MARU, Nobuhito. 126 GeV Higgs Boson Associated with D-term Triggered Dynamical Supersymmetry Breaking. In SYMMETRY-BASEL. ISSN 2073-8994, 2015, vol. 7, no. 1, pp. 193-205., Registrované v: WOS

1367. [1.1] IVANOVIC, Dragan - FU, Hui-Zhen - HO, Yuh-Shan. Publications from Serbia in the Science Citation Index Expanded: a bibliometric analysis. In SCIENTOMETRICS. ISSN 0138-9130, 2015, vol. 105, no. 1, pp. 145-160., Registrované v: WOS
1368. [1.1] IVANOV, Igor P. Building and testing models with extended Higgs sectors. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 160-208., Registrované v: WOS
1369. [1.1] IVANOV, Igor P. - KOEPKE, Marcel - MUEHLLEITNER, Margarete. Algorithmic boundedness-from-below conditions for generic scalar potentials. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 5, art. no. 413., Registrované v: WOS
1370. [1.1] IZAGUIRRE, Eder - SHUVE, Brian. Multilepton and lepton jet probes of sub-weak-scale right-handed neutrinos. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 9, art. no. 093010., Registrované v: WOS
1371. [1.1] IZAGUIRRE, Eder - SHUVE, Brian - YAVIN, Itay. Improving Identification of Dijet Resonances at Hadron Colliders. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 4, art. no. 041802., Registrované v: WOS
1372. [1.1] IZAGUIRRE, Eder - STOLARSKI, Daniel. Searching for Higgs Decays to as Many as 8 Leptons. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 22, art. no. 221803., Registrované v: WOS
1373. [1.1] JADACH, S. - NAIL, G. - PLACZEK, W. - SAPETA, S. - SIODMOK, A. - SKRZYPEK, M. KrkNLO IN HERWIG 7. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 6, pp. 1121-1132., Registrované v: WOS
1374. [1.1] JADACH, S. - NAIL, G. - PLACZEK, W. - SAPETA, S. - SIODMOK, A. - SKRZYPEK, M. Monte Carlo simulations of Higgs-boson production at the LHC with the KrkNLO method. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 3, art. no. 164., Registrované v: WOS
1375. [1.1] JAECKEL, Joerg - SCHENK, Sebastian. Exploring high multiplicity amplitudes in quantum mechanics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 096007., Registrované v: WOS
1376. [1.1] JAECKEL, J. - SCHENK, S. Exploring high multiplicity amplitudes: The quantum mechanics analogue of the spontaneously broken case. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 22 2019, vol. 99, no. 5., Registrované v: WOS
1377. [1.1] JAEGER, Barbara - VON MANTEUFFEL, Andreas - THIER, Stephan. Slepton pair production in association with a jet: NLO-QCD corrections and parton-shower effects. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 2, art. no. 041., Registrované v: WOS
1378. [1.1] JAEGER, B. - SALFELDER, L. - WOREK, M. - ZEPPENFELD, D. Physics opportunities for vector-boson scattering at a future 100 TeV hadron collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 073008., Registrované v: WOS
1379. [1.1] JAIN, R. - KAO, C. Charming top decays with a flavor changing neutral Higgs boson and WW at hadron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 27 2019, vol. 99, no. 5., Registrované v: WOS
1380. [1.1] JAIN, Samarth - MARGAROLI, Fabrizio - MORETTI, Stefano

- PANIZZI, Luca. 750 GeV threshold to a new particle world. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 014037., Registrované v: WOS
1381. [1.1] JAISWAL, Prerit - MEADE, Patrick - RAMANI, Harikrishnan. Precision diboson measurements and the interplay of p(T) and jet-veto resummations. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 093007., Registrované v: WOS
1382. [1.1] JANA, Sudip - NANDI, S. New physics scale from Higgs observables with effective dimension-6 operators. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 51-58., Registrované v: WOS
1383. [1.1] JANA, Sudip - OKADA, Nobuchika - RAUT, Digesh. Displaced vertex signature of type-I seesaw model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035023., Registrované v: WOS
1384. [1.1] JEGERLEHNER, Fred - KALMYKOV, Mikhail - KNIEHL, Bernd A. Self-consistence of the Standard Model via the renormalization group analysis. In 16TH INTERNATIONAL WORKSHOP ON ADVANCED COMPUTING AND ANALYSIS TECHNIQUES IN PHYSICS RESEARCH (ACAT2014). ISSN 1742-6588, 2015, vol. 608, art. no. 012074., Registrované v: WOS
1385. [1.1] JENNICHES, Laura - STURM, Christian - UCCIRATI, Sandro. Electroweak corrections in the 2HDM for neutral scalar Higgs-boson production through gluon fusion. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 017., Registrované v: WOS
1386. [1.1] JEONG, Kwang Sik - KITAJIMA, Naoya - TAKAHASHI, Fuminobu. Degenerate spectrum in the neutrino mass anarchy with Wishart matrices and implications for $0 \nu \beta \beta$ and $\delta(\text{CP})$. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 113010., Registrované v: WOS
1387. [1.1] JEONG, Kwang Sik. Singlet-like Higgs boson in the NMSSM. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2017, vol. 70, no. 1, pp. 28-33., Registrované v: WOS
1388. [1.1] JIANG, Jun - QIAO, Cong-Feng. B-c production in Higgs boson decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 054031., Registrované v: WOS
1389. [1.1] JIANG, Minyuan - BIAN, Ligong - HUANG, Weicong - SHU, Jing. Impact of a complex singlet: Electroweak baryogenesis and dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 6, art. no. 065032., Registrované v: WOS
1390. [1.1] JIA, Lian-Bao. Study of WIMP annihilations into a pair of on-shell scalar mediators. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 095028., Registrované v: WOS
1391. [1.1] JINNO, Ryusuke - KANETA, Kunio - ODA, Kin-ya. Hill-climbing Higgs inflation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 2, art. no. 023523., Registrované v: WOS
1392. [1.1] JIN, Q.J. - YANG, G. Two-loop QCD corrections to the Higgs plus three-parton amplitudes with top mass correction. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 26 2020, no. 2., Registrované v: WOS
1393. [1.1] JIN, Xiuguang - OHKI, Shunsuke - ISHIKAWA, Tomoki - TACKEUCHI, Atsushi - HONDA, Yosuke. Analysis of quantum efficiency

improvement in spin-polarized photocathode. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2016, vol. 120, no. 16, art. no. 164501., Registrované v: WOS

1394. [1.1] JONES, M.P.A. - POTVLIEGE, R.M. - SPANNOWSKY, M. Probing new physics using Rydberg states of atomic hydrogen. In PHYSICAL REVIEW RESEARCH. MAR 3 2020, vol. 2, no. 1., Registrované v: WOS

1395. [1.1] JORA, Renata - NASRI, Salah. ABOUT THE ROLE OF SCALARS IN A GAUGE THEORY. In ROMANIAN JOURNAL OF PHYSICS. ISSN 1221-146X, 2015, vol. 60, no. 9-10, pp. 1239-1248., Registrované v: WOS

1396. [1.1] JORA, Renata. About electrodynamics, standard model and the quantization of the electrical charge. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 33, art. no. 1850205., Registrované v: WOS

1397. [1.1] JUNGSMANN, Klaus P. Fundamental symmetries and interactions-selected topics. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. T166, art. no. 014033., Registrované v: WOS

1398. [1.1] JUNG, Sunghoon - SONG, Jeonghyeon - YOON, Yeo Woong. Dip or nothingness of a Higgs resonance from the interference with a complex phase. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 055009., Registrované v: WOS

1399. [1.1] JUNK, Thomas R. - JUSTE, Aurelio. Review of physics results from the Tevatron: Higgs boson physics. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 6, art. no. 1541006., Registrované v: WOS

1400. [1.1] JURCIUKONIS, D. - LAVOURA, L. The three- and four-Higgs couplings in the general two-Higgs-doublet model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 004., Registrované v: WOS

1401. [1.1] KAGAN, Alexander L. - PEREZ, Gilad - PETRIELLO, Frank - SOREQ, Yotam - STOYNEV, Stoyan - ZUPAN, Jure. Exclusive Window onto Higgs Yukawa Couplings. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 10, art. no. 101802., Registrované v: WOS

1402. [1.1] KACHANOVICH, Aliaksei - BLASCHKE, David. Nonlocal Quark Model Description of a Composite Higgs Particle. In PHYSICS OF PARTICLES AND NUCLEI LETTERS. ISSN 1547-4771, 2017, vol. 14, no. 3, pp. 429-434., Registrované v: WOS

1403. [1.1] KAINULAINEN, Kimmo - TUOMINEN, Kimmo - VIRKAJARVI, Jussi. A model for dark matter, naturalness and a complete gauge unification. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2015, no. 7, art. no. 034., Registrované v: WOS

1404. [1.1] KAKIZAKI, Mitsuru - KANEMURA, Shinya - MATSUI, Toshinori. Gravitational waves as a probe of extended scalar sectors with the first order electroweak phase transition. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 115007., Registrované v: WOS

1405. [1.1] KAKIZAKI, Mitsuru - KANEMURA, Shinya - KIKUCHI, Mariko - MATSUI, Toshinori - YOKOYA, Hiroshi. Indirect reach of heavy MSSM Higgs bosons by precision measurements at future lepton colliders. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 33, art. no. 1550192., Registrované v: WOS

1406. [1.1] KAKIZAKI, Mitsuru - PARK, Eun-Kyung - PARK, Jae-hyeon - SANTAA, Akiteru. Phenomenological constraints on light mixed sneutrino dark matter scenarios. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 749, pp. 44-49., Registrované v: WOS
1407. [1.1] KAKIZAKI, Mitsuru - SANTA, Akiteru - SETO, Osamu. Phenomenological signatures of mixed complex scalar WIMP dark matter. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 10, art. no. 1750038., Registrované v: WOS
1408. [1.1] KAKIZAKI, Mitsuru. Higgs Phenomenology of the Supersymmetric Grand Unification with the Hosotani Mechanism. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 781-787., Registrované v: WOS
1409. [1.1] KALINOWSKI, M. W. Fermion fields in the (non)symmetric Kaluza-Klein theory. In CANADIAN JOURNAL OF PHYSICS. ISSN 0008-4204, 2018, vol. 96, no. 5, pp. 529-554., Registrované v: WOS
1410. [1.1] KALYNIK, Pat - MOATS, Kenneth - MARTIN, Travis A. W. Constraining the Little Higgs model of Schmaltz, Stolarski, and Thaler with recent results from the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 013010., Registrované v: WOS
1411. [1.1] KAMADA, Kohei. On the strong coupling scale in Higgs G-inflation. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 744, pp. 347-351., Registrované v: WOS
1412. [1.1] KAMENSHCHIK, Alexander Yu. - STAROBINSKY, Alexei A. - TRONCONI, Alessandro - VARDANYAN, Tereza - VENTURI, Giovanni. Pauli-Zeldovich cancellation of the vacuum energy divergences, auxiliary fields and supersymmetry. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 200., Registrované v: WOS
1413. [1.1] KAMENSHCHIK, Alexander Yu. - STEINWACHS, Christian F. Question of quantum equivalence between Jordan frame and Einstein frame. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 8, art. no. 084033., Registrované v: WOS
1414. [1.1] KAMON, Teruki - KO, P. - LI, Jinmian. Characterizing Higgs portal dark matter models at the ILC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 652., Registrované v: WOS
1415. [1.1] KANEMURAA, Shinya - YAGYU, Kei. Unitarity bound in the most general two Higgs doublet model. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 751, pp. 289-296., Registrované v: WOS
1416. [1.1] KANEMURA, Shinya - KIKUCHI, Mariko - SAKURAI, Kodai - YAGYU, Kei. H-COUP: A program for one-loop corrected Higgs boson couplings in non-minimal Higgs sectors. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 233, pp. 134-144., Registrované v: WOS
1417. [1.1] KANEMURA, Shinya - KIKUCHI, Mariko - YAGYU, Kei. Fingerprinting the extended Higgs sector using one-loop corrected Higgs boson couplings and future precision measurements. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 896, pp. 80-137., Registrované v: WOS
1418. [1.1] KANEMURA, Shinya - KIKUCHI, Mariko - YAGYU, Kei - YOKOYA, Hiroshi. LHC Run-I constraint on the mass of doubly charged Higgs bosons in the same-sign diboson decay scenario. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2015,

no. 5, art. no. 051B02., Registrované v: WOS

1419. [1.1] KANEMURA, Shinya - KIKUCHI, Mariko - SAKURAI, Kodai. Testing the dark matter scenario in the inert doublet model by future precision measurements of the Higgs boson couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 115011., Registrované v: WOS

1420. [1.1] KANEMURA, Shinya - KIKUCHI, Mariko - YAGYU, Kei. Radiative corrections to the Higgs boson couplings in the model with an additional real singlet scalar field. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 907, pp. 286-322., Registrované v: WOS

1421. [1.1] KANEMURA, Shinya - MOROI, Takeo - TANABE, Tomohiko. Beam dump experiment at future electron-positron colliders. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 751, pp. 25-28., Registrované v: WOS

1422. [1.1] KANEMURA, Shinya - SAKURAI, Kodai - SUGIYAMA, Hiroaki. Neutrino mass without lepton number violation, dark matter; and a strongly first-order phase transition. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 095024., Registrované v: WOS

1423. [1.1] KANG, Sin Kyu - PARK, Jubin. Unitarity constraints in the standard model with a singlet scalar field. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 009., Registrované v: WOS

1424. [1.1] KANG, Sin Kyu - QIAN, Zhuoni - SONG, Jeonghyeon - YOON, Yeo Woong. Confronting the fourth generation two-Higgs-doublet model with the phenomenology of heavy Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095025., Registrované v: WOS

1425. [1.1] KANG, Zhaofeng - KO, P. - LI, Jinmian. New Physics Opportunities in the Boosted Di-Higgs-Boson Plus Missing Transverse Energy Signature. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 13, art. no. 131801., Registrované v: WOS

1426. [1.1] KANNIKE, Kristjan - RACIOPPI, Antonio - RAIDAL, Martti. Super-heavy dark matter Towards predictive scenarios from inflation. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 918, pp. 162-177., Registrované v: WOS

1427. [1.1] KANNIKE, Kristjan - HUETSI, Gert - PIZZA, Liberato - RACIOPPI, Antonio - RAIDAL, Martti - SALVIO, Alberto - STRUMIA, Alessandro. Dynamically induced Planck scale and inflation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 5, art. no. 065., Registrované v: WOS

1428. [1.1] KANNIKE, K. - RAIDAL, M. - SPETHMANN, C. - VEERMAE, H. The evolving Planck mass in classically scale-invariant theories. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, art. no. 026., Registrované v: WOS

1429. [1.1] KARACA, Koray. Lessons from the Large Hadron Collider for model-based experimentation: the concept of a model of data acquisition and the scope of the hierarchy of models. In SYNTHESE. ISSN 0039-7857, 2018, vol. 195, no. 12, pp. 5431-5452., Registrované v: WOS

1430. [1.1] KARAM, Alexandros - TAMVAKIS, Kyriakos. Dark matter and neutrino masses from a scale-invariant multi-Higgs portal. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 075010., Registrované v: WOS

1431. [1.1] KARAM, Alexandros - TAMVAKIS, Kyriakos. Dark matter from a classically scale-invariant $SU(3)_X$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055004., Registrované v: WOS
1432. [1.1] KARAM, A. - MARZOLA, L. - PAPPAS, T. - RACIOPPI, A. - TAMVAKIS, K. Constant-roll (quasi-)linear inflation. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 5, art. no. 011., Registrované v: WOS
1433. [1.1] KARDOS, Adam - TROCSANYI, Zoltan. Hadroproduction of t anti- t pair in association with an isolated photon at NLO accuracy matched with parton shower. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 5, art. no. 090., Registrované v: WOS
1434. [1.1] KARDOS, A. - TROCSANYI, Z. Hadroproduction of t -anti- t pair with two isolated photons with PowHel. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 897, pp. 717-731., Registrované v: WOS
1435. [1.1] KARMAKAR, Siddhartha - RAKSHIT, Subhendu. Alignment limit in 2HDM: robustness put to test. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 142., Registrované v: WOS
1436. [1.1] KARMAKAR, S. - RAKSHIT, S. Relaxed constraints on the heavy scalar masses in 2HDM. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 16 2019, vol. 100, no. 5., Registrované v: WOS
1437. [1.1] KASHIWASE, Shoichi - SUEMATSU, Daijiro. Radiative neutrino mass model with degenerate right-handed neutrinos. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 3, art. no. 117., Registrované v: WOS
1438. [1.1] KATS, Yevgeny - MCCULLOUGH, Matthew - PEREZ, Gilad - SOREQ, Yotam - THALER, Jesse. Colorful Twisted Top Partners and Partnerium at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 6, art. no. 126., Registrované v: WOS
1439. [1.1] KAUER, Nikolas - O'BRIEN, Claire. Heavy Higgs signal-background interference in $gg \rightarrow VV$ in the Standard Model plus real singlet. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 8, art. no. 374., Registrované v: WOS
1440. [1.1] KAUFMAN, Bryan - NATH, Pran - NELSON, Brent D. - SPISAK, Andrew B. Light stops and observation of supersymmetry at LHC run II. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095021., Registrované v: WOS
1441. [1.1] KAVIC, Michael J. - MINIC, Djordje - SIMONETTI, John. Quantum gravity and BH-NS binaries. In INTERNATIONAL JOURNAL OF MODERN PHYSICS D. ISSN 0218-2718, 2018, vol. 27, no. 14, art. no. 1847007., Registrované v: WOS
1442. [1.1] KAWABATA, Sayaka - YOKOYA, Hiroshi. Top-quark mass from the diphoton mass spectrum. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 5, art. no. 323., Registrované v: WOS
1443. [1.1] KAWABATA, Sayaka. New method for precise determination of top quark mass at LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 2187-2191., Registrované v: WOS
1444. [1.1] KAWADA, Shin-ichi - FUJII, Keisuke - SUEHARA, Taikan - TAKAHASHI, Tohru - TANABE, Tomohiko. A study of the measurement precision of the Higgs boson decaying into tau pairs at the ILC. In EUROPEAN

- PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 12, art. no. 617.,
 Registrované v: WOS
1445. [1.1] KAWAMURA, Junichiro - OMURA, Yuji. Constraints on nonuniversal gaugino mass scenario using the latest LHC data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055019.,
 Registrované v: WOS
1446. [1.1] KAWAMURA, Yoshiharu. Gauge hierarchy problem, supersymmetry, and fermionic symmetry. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 25, art. no. 1550153., Registrované v: WOS
1447. [1.1] KAWANA, Kiyoharu. Criticality and inflation of the gauged B L model. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2015, no. 7, art. no. 073B04., Registrované v: WOS
1448. [1.1] KAWANA, Kiyoharu. Multiple point principle of the Standard Model with scalar singlet dark matter and right-handed neutrinos. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2015, no. 2, art. no. 023B04., Registrované v: WOS
1449. [1.1] KAZAKCI, Akin Osman. DATA SCIENCE AS A NEW FRONTIER FOR DESIGN. In ICED 15, VOL 10: DESIGN INFORMATION AND KNOWLEDGE MANAGEMENT. ISSN 2220-4334, 2015, ICED 15, VOL 10., Registrované v: WOS
1450. [1.1] KEARNEY, John - YOO, Hojin - ZUREK, Kathryn M. Is a Higgs vacuum instability fatal for high-scale inflation? In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 12, art. no. 123537., Registrované v: WOS
1451. [1.1] KECALI, A.S. - BANDYOPADHYAY, P. - HUITU, K. Long-lived triplinos and displaced lepton signals at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, APR 17 2019, vol. 79, no. 4., Registrované v: WOS
1452. [1.1] KENZIE, Matthew. Search for Higgs bosons decaying into photons at CMS. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 870-876., Registrované v: WOS
1453. [1.1] KEPHART, Thomas W. - YUAN, Tzu-Chiang. Origins of inert Higgs doublets. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 906, pp. 549-560., Registrované v: WOS
1454. [1.1] KESHAVARZI, A. - MARCIANO, W.J. - PASSERA, M. - SIRLIN, A. Muon g-2 and Delta alpha connection. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 20 2020, vol. 102, no. 3., Registrované v: WOS
1455. [1.1] KHALIL, Shaaban - UN, Cem Salih. Muon anomalous magnetic moment in SUSY B L model with inverse seesaw. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 763, pp. 164-168., Registrované v: WOS
1456. [1.1] KHALIL, S. - MORETTI, S. The B L supersymmetric standard model with inverse seesaw at the large hadron collider. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2017, vol. 80, no. 3, art. no. 036201., Registrované v: WOS
1457. [1.1] KHANPOUR, Hamzeh - KHATIBI, Sara - NAJAFABADI, Mojtaba Mohammadi. Probing Higgs boson couplings in H plus gamma production at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 773, pp. 462-469., Registrované v: WOS
1458. [1.1] KHANPOUR, Hamzeh - NAJAFABADI, Mojtaba Mohammadi.

Constraining Higgs boson effective couplings at electron-positron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055026., Registrované v: WOS

1459. [1.1] KHAN, Najimuddin - RAKSHIT, Subhendu. Constraints on inert dark matter from the metastability of the electroweak vacuum. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 055006., Registrované v: WOS

1460. [1.1] KHAN, Najimuddin. Exploring the hyperchargeless Higgs triplet model up to the Planck scale. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 341., Registrované v: WOS

1461. [1.1] KHOJALI, Mohammed Omer - CORNELL, A. S. - DEANDREA, Aldo - CACCIAPAGLIA, Giacomo. Evolution of the gauge couplings and Weinberg angle in 5-dimensions for an SU(5) and fipped SU(5) gauge group. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC. ISSN 1742-6588, 2017, vol. 878, art. no. 012024., Registrované v: WOS

1462. [1.1] KHOSA, Charanjit K. - PANDITA, P. N. Measuring the trilinear neutral Higgs boson couplings in the minimal supersymmetric standard model at $e(+)e(-)$ colliders in the light of the discovery of a Higgs boson. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 18, art. no. 1650108., Registrované v: WOS

1463. [1.1] KHOZE, Valentin V. Multiparticle production in the large λ limit: realising Higgspllosion in a scalar QFT. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 6, art. no. 148., Registrované v: WOS

1464. [1.1] KHOZE, Valentin V. - SPANNOWSKY, Michael. Higgsploding universe. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075042., Registrované v: WOS

1465. [1.1] KIBBLE, Tom W. B. Yoichiro Nambu and the origin of mass. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 4-5, art. no. 1630006., Registrované v: WOS

1466. [1.1] KIBBLE, T. W. B. History of electroweak symmetry breaking. In 7TH INTERNATIONAL WORKSHOP DICE2014 SPACETIME MATTER QUANTUM MECHANICS. ISSN 1742-6588, 2015, vol. 626, art. no. 012001., Registrované v: WOS

1467. [1.1] KIBBLE, T. W. B. Spontaneous symmetry breaking in gauge theories. In PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-503X, 2015, vol. 373, no. 2032, art. no. 20140033., Registrované v: WOS

1468. [1.1] KIKUCHI, Mariko. Radiative corrections to Higgs coupling constants in two Higgs doublet models. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 807-812., Registrované v: WOS

1469. [1.1] KIKUTA, Yohei - YAMAMOTO, Yasuhiro. Derivative interactions and perturbative UV contributions in N Higgs doublet models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 297., Registrované v: WOS

1470. [1.1] KILE, Jennifer. H $\gamma\gamma$ gauge invariance, and the hierarchy problem. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 26, art. no. 1630046., Registrované v:

WOS

1471. [1.1] KILIAN, Wolfgang - SEKULLA, Marco - OHL, Thorsten - REUTER, Juergen. High-energy vector boson scattering after the Higgs boson discovery. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 096007., Registrované v: WOS
1472. [1.1] KILIC, C. - NAJJARI, S. - VERHAAREN, C.B. Discovering the twin Higgs boson with displaced decays. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 29 2019, vol. 99, no. 7., Registrované v: WOS
1473. [1.1] KIMBALL, D. F. Jackson - DUDLEY, J. - LI, Y. - THULASI, S. - PUSTELNY, S. - BUDKER, D. - ZOLOTOREV, M. Magnetic shielding and exotic spin-dependent interactions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 8, art. no. 082005., Registrované v: WOS
1474. [1.1] KIMM, Kyoungtae - YOON, J. H. - CHO, Y. M. Finite energy electroweak dyon. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 2, art. no. 67., Registrované v: WOS
1475. [1.1] KIM, C. S. - YOON, Yeo Woong - YUAN, Xing-Bo. Exploring top quark FCNC within 2HDM type III in association with flavor physics. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 12, art. no. 038., Registrované v: WOS
1476. [1.1] KIM, Doojin - KONG, Kyoungchul. Kinematic discrimination of tW and $t(t)\text{over-bar}$ productions using initial state radiation. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 751, pp. 512-524., Registrované v: WOS
1477. [1.1] KIM, Doojin - MATCHEV, Konstantin T. - MOORTGAT, Filip - PAPE, Luc. Testing invisible momentum ansatze in missing energy events at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 102., Registrované v: WOS
1478. [1.1] KIM, Doojin - PARK, Myeonghun. Enhancement of new physics signal sensitivity with mistagged charm quarks. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 758, pp. 190-194., Registrované v: WOS
1479. [1.1] KIM, Doyoun - KYAE, Bumseok. Naturalness-guided gluino mass bound from the minimal mixed mediation of SUSY breaking. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 075025., Registrované v: WOS
1480. [1.1] KIM, Chi-Woong - YOON, Heejun - JIN, Duseok - PARK, Sang Oh. Integrated management system for a large computing resources in a scientific data center. In JOURNAL OF SUPERCOMPUTING. ISSN 0920-8542, 2016, vol. 72, no. 9, pp. 3511-3521., Registrované v: WOS
1481. [1.1] KIM, Jeong Han - LEWIS, Ian M. Loop induced single top partner production and decay at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 095., Registrované v: WOS
1482. [1.1] KIM, Jeong Han - SAKAI, Yasuhito - SON, Minho. Combined analysis of double Higgs production via gluon fusion at the HL-LHC in the effective field theory approach. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 015016., Registrované v: WOS
1483. [1.1] KIM, Jihn E. - NAM, Soonkeon - SEMETZIDIS, Yannis K. Fate of global symmetries in the Universe: QCD axion, quintessential axion and trans-Planckian inflaton decay constant. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 3, art. no. 1830002., Registrované v: WOS

1484. [1.1] KIM, Jong Soo - RAY, Tirtha Sankar. The higgsino-singlino world at the large hadron collider. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 2, art. no. 40., Registrované v: WOS
1485. [1.1] KIM, Jong Soo - SCHMEIER, Daniel - TATTERSALL, Jamie. Role of the 'N' in the natural NMSSM for the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055018., Registrované v: WOS
1486. [1.1] KIM, J.H. - KONG, K. - MATCHEV, K.T. - PARK, M. Probing the Triple Higgs Self-Interaction at the Large Hadron Collider. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, MAR 6 2019, vol. 122, no. 9., Registrované v: WOS
1487. [1.1] KIM, Yeong Gyun - LEE, Kang Young - NAM, Soo-hyeon. Singlet fermionic dark matter with Veltman conditions. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 782, pp. 316-323., Registrované v: WOS
1488. [1.1] KIM, Y.G. - LEE, K.Y. - NAM, S.H. Conformal invariance and singlet fermionic dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 31 2019, vol. 100, no. 7., Registrované v: WOS
1489. [1.1] KING, S. F. - MUEHLLEITNER, M. - NEVZOROV, R. - WALZ, K. Exploring the CP-violating NMSSM: EDM constraints and phenomenology. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 901, pp. 526-555., Registrované v: WOS
1490. [1.1] KIRCH, K. Symmetries and fundamental interactions: Precision experiments at low energies. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 10, art. no. 414., Registrované v: WOS
1491. [1.1] KITADONO, Yoshio - INAGAKI, Tomohiro. Elliptically oscillating classical solution in Higgs potential and the effects on vacuum transitions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 093014., Registrované v: WOS
1492. [1.1] KITAHARA, Teppei - NIERSTE, Ulrich - TREMPER, Paul. Supersymmetric Explanation of CP Violation in $K \rightarrow \pi \pi$ Decays. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 117, no. 9, art. no. 091802., Registrované v: WOS
1493. [1.1] KITAJIMA, Naoya - TAKAHASHI, Fuminobu. Gravitational waves from Higgs domain walls. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 745, pp. 112-117., Registrované v: WOS
1494. [1.1] KITAZAWA, N. - SAGNOTTI, A. String theory clues for the low- l CMB ? In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, art. no. 03031., Registrované v: WOS
1495. [1.1] KLCO, N. - SAVAGE, M.J. Digitization of scalar fields for quantum computing. In PHYSICAL REVIEW A. ISSN 2469-9926, MAY 23 2019, vol. 99, no. 5., Registrované v: WOS
1496. [1.1] KLEISS, R. - VERHEYEN, R. Collinear electroweak radiation in antenna parton showers. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 22 2020, vol. 80, no. 10., Registrované v: WOS
1497. [1.1] KNAPEN, Simon - REDIGOLO, Diego - SHIH, David. General gauge mediation at the weak scale. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 046., Registrované v: WOS
1498. [1.1] KNAPEN, Simon - REDIGOLO, Diego. Gauge mediation at the LHC: status and prospects. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 1, art. no. 135., Registrované v: WOS

1499. [1.1] KNECHTLI, Francesco - RINALDI, Enrico. Extra-dimensional models on the lattice. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 22, art. no. 1643002., Registrované v: WOS
1500. [1.1] KNIEHL, Bernd A. - PIKELNER, Andrey F. - VERETIN, Oleg L. Two-loop electroweak threshold corrections in the Standard Model. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 896, pp. 19-51., Registrované v: WOS
1501. [1.1] KNIEHL, Bernd A. - PIKELNER, Andrey F. - VERETIN, Oleg L. mr: A C plus plus library for the matching and running of the Standard Model parameters. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2016, vol. 206, pp. 84-96., Registrované v: WOS
1502. [1.1] KNORR, Benjamin - LIPPOLDT, Stefan. Correlation functions on a curved background. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 6, art. no. 065020., Registrované v: WOS
1503. [1.1] KOBAKHIDZE, Archil - WU, Lei - YUE, Jason. Electroweak baryogenesis with anomalous Higgs couplings. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 011., Registrované v: WOS
1504. [1.1] KOBAKHIDZE, Archil - LIU, Ning - WU, Lei - YANG, Jin Min. ATLAS Z-peaked excess in the MSSM with a light sbottom or stop. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 075008., Registrované v: WOS
1505. [1.1] KOBAKHIDZE, Archil - TALIA, Matthew - WU, Lei. Probing the MSSM explanation of the muon g-2 anomaly in dark matter experiments and at a 100 TeV pp collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055023., Registrované v: WOS
1506. [1.1] KOBAKHIDZE, Archil - LIU, Ning - WU, Lei - YUE, Jason. Implications of CP-violating top-Higgs couplings at the LHC and Higgs factories. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015016., Registrované v: WOS
1507. [1.1] KOBERINSKI, A. Parity violation in weak interactions: How experiment can shape a theoretical framework. In STUDIES IN HISTORY AND PHILOSOPHY OF MODERN PHYSICS. ISSN 1355-2198, AUG 2019, vol. 67, p. 64-77., Registrované v: WOS
1508. [1.1] KOENIG, Matthias - NEUBERT, Matthias. Exclusive radiative Higgs decays as probes of light-quark Yukawa couplings. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 8, art. no. 012., Registrované v: WOS
1509. [1.1] KOKSAL, M. - SENOL, A. Search for anomalous quartic WWZ gamma couplings at the future linear $e^{+}e^{-}$ collider. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 20, art. no. 1550107., Registrované v: WOS
1510. [1.1] KOLODZIEJ, Karol - SLAPIK, Aleksandra. Probing the top-Higgs coupling through the secondary lepton distributions in the associated production of the top-quark pair and Higgs boson at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 10, art. no. 475., Registrované v: WOS
1511. [1.1] KONAR, Partha - MONDAL, Tanmoy - SWAIN, Abhaya Kumar. Constraining slepton and chargino through compressed top squark

search. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 4, art. no. 024., Registrované v: WOS

1512. [1.1] KONAR, Partha - SWAIN, Abhaya Kumar. Reconstructing semi-invisible events in resonant tau pair production from Higgs. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 757, pp. 211-215., Registrované v: WOS

1513. [1.1] KON, T. - NAGURA, T. - UEDA, T. - YAGYU, K. Double Higgs boson production at $e(+)e(-)$ colliders in the two-Higgs-doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 22 2019, vol. 99, no. 9., Registrované v: WOS

1514. [1.1] KORCHIN, Alexander Yu. - KOVALCHUK, Vladimir A. Decay of the Higgs boson to $\tau(-)\tau(+)$ and non-Hermiticity of the Yukawa interaction. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 076003., Registrované v: WOS

1515. [1.1] KORUTLU, Beste. Softly fine-tuned Standard Model and the scale of inflation. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2015, vol. 30, no. 34, art. no. 1550179., Registrované v: WOS

1516. [1.1] KOUDA, Yusaku - KON, Tadashi - KURIHARA, Yoshimasa - ISHIKAWA, Tadashi - JIMBO, Masato - KATO, Kiyoshi - KURODA, Masaaki. One loop effects of natural SUSY in third generation fermion production at the ILC. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2017, no. 5, art. no. 053B02., Registrované v: WOS

1517. [1.1] KOUDA, Yusaku - KON, Tadashi - JIMBO, Masato - KURIHARA, Yoshimasa - ISHIKAWA, Tadashi - KATO, Kiyoshi - KURODA, Masaaki. 1-loop effects of MSSM particles in Higgs productions at the ILC. In 4TH COMPUTATIONAL PARTICLE PHYSICS WORKSHOP. ISSN 1742-6588, 2017, vol. 920, art. no. 012010., Registrované v: WOS

1518. [1.1] KOUDA, Yusaku - KON, Tadashi - KURIHARA, Yoshimasa - ISHIKAWA, Tadashi - JIMBO, Masato - KATO, Kiyoshi - KURODA, Masaaki. One-loop effects of Minimal Supersymmetric Standard Model particles in $e(-)e(+)\rightarrow Zh$ and $e(-)e(+)\rightarrow \nu(\bar{\nu})$ at the International Linear Collider. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2018, no. 8, art. no. 083B03., Registrované v: WOS

1519. [1.1] KOVALCHUK, V. A. - KORCHIN, A. Yu. HIGGS BOSON DECAY TO LEPTON PAIR AND PHOTON AND POSSIBLE NON-HERMITICITY OF THE YUKAWA INTERACTION. In UKRAINIAN JOURNAL OF PHYSICS. ISSN 2071-0186, 2017, vol. 62, no. 7, pp. 557-564., Registrované v: WOS

1520. [1.1] KOWALSKA, Kamila - PAWELCZYK, Jacek - SESSOLO, Enrico Maria. Flavored gauge mediation in the Peccei-Quinn NMSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 12, art. no. 148., Registrované v: WOS

1521. [1.1] KOWALSKA, Kamila - ROSZKOWSKI, Leszek - SESSOLO, Enrico Maria - WILLIAMS, Andrew J. GUT-inspired SUSY and the muon $g-2$ anomaly: prospects for LHC 14 TeV. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 020., Registrované v: WOS

1522. [1.1] KOZACZUK, Jonathan - PROFUMO, Stefano - HASKINS, Laurel Stephenson - WAINWRIGHT, Carroll L. Cosmological phase transitions and their properties in the NMSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 1, art. no. 144., Registrované v: WOS

1523. [1.1] KOZACZUK, Jonathan. Bubble expansion and the viability of singlet-driven electroweak baryogenesis. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 10, art. no. 135., Registrované v: WOS
1524. [1.1] KO, Pyungwon. Particle, Astroparticle Physics and Cosmology in Dark Matter Models with Dark Gauge Symmetries. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2018, vol. 73, no. 4, pp. 449-465., Registrované v: WOS
1525. [1.1] KO, P. - LI, Jinmian. Interference effects of two scalar boson propagators on the LHC search for the singlet fermion DM. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 765, pp. 53-61., Registrované v: WOS
1526. [1.1] KO, P. - OMURA, Yuji - YU, Chaehyun. Higgs and dark matter physics in the type-II two-Higgs-doublet model inspired by E-6 GUT. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 034., Registrované v: WOS
1527. [1.1] KO, P. - YOKOYA, Hiroshi. Search for Higgs portal DM at the ILC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 8, art. no. 109., Registrované v: WOS
1528. [1.1] KRAEMER, Michael - MUEHLLEITNER, Margarete. Higgs Physics. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2015, vol. 261, pp. 246-267., Registrované v: WOS
1529. [1.1] KRAJEWSKI, Tomasz - LALAK, Zygmunt. Fine-tuning and vacuum stability in the Wilsonian effective action. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 075009., Registrované v: WOS
1530. [1.1] KRAJEWSKI, Tomasz - LALAK, Zygmunt - LEWICKI, Marek - OLSZEWSKI, Pawel. Domain walls in the extensions of the Standard Model. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 5, art. no. 007., Registrované v: WOS
1531. [1.1] KRAJEWSKI, Tomasz - LALAK, Zygmunt - LEWICKI, Marek - OLSZEWSKI, Pawel. Domain walls and gravitational waves in the Standard Model. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2016, no. 12, art. no. 036., Registrované v: WOS
1532. [1.1] KRAJEWSKI, T. - LALAK, Z. - LEWICKI, M. - OLSZEWSKI, P. Gravitational waves from domain walls in the Standard Model. In FIFTH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES. ISSN 1742-6588, 2017, vol. 873, art. no. 012044., Registrované v: WOS
1533. [1.1] KRAML, Sabine - LAA, Ursula - PANIZZU, Luca - PRAGER, Hugo. Scalar versus fermionic top partner interpretations of $t\bar{t} \rightarrow E\text{-}T(\text{miss})$ searches at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 11, art. no. 107., Registrované v: WOS
1534. [1.1] KRANIOTIS, G. V. The Klein-Gordon-Fock equation in the curved spacetime of the Kerr-Newman (anti) de Sitter black hole. In CLASSICAL AND QUANTUM GRAVITY. ISSN 0264-9381, 2016, vol. 33, no. 22, art. no. 225011., Registrované v: WOS
1535. [1.1] KRAUSE, Marcel - LOPEZ-VAL, David - MUEHLLEITNER, Margarete - SANTOS, Rui. Gauge-independent renormalization of the N2HDM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 12, art. no. 077., Registrované v: WOS
1536. [1.1] KRAUSE, Marcel - LORENZ, Robin - MUEHLLEITNER, Margarete - SANTOS, Rui - ZIESCHE, Hanna. Gauge-independent

renormalization of the 2-Higgs-doublet model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 9, art. no. 143., Registrované v: WOS

1537. [1.1] KRAUSE, Marcel - MUEHLLEITNER, Margarete - SANTOS, Rui - ZIESCHE, Hanna. Higgs-to-Higgs boson decays in a 2HDM at next-to-leading order. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075019., Registrované v: WOS

1538. [1.1] KRAUSS, Manuel E. - OPFERKUCH, Toby - STAUB, Florian. Spontaneous charge breaking in the NMSSM: dangerous or not? In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 5, art. no. 331., Registrované v: WOS

1539. [1.1] KRAUSS, Manuel E. - OPFERKUCH, Toby - STAUB, Florian. The ultraviolet landscape of two-Higgs doublet models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 12, art. no. 1020., Registrované v: WOS

1540. [1.1] KRAUSS, Manuel E. - STAUB, Florian. Perturbativity constraints in BSM models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 185., Registrované v: WOS

1541. [1.1] KRAWCZYK, M. - MORETTI, S. - OSLAND, P. - PRUNA, G. M. - SANTOS, R. Prospects for 2HDM charged Higgs searches. In FIFTH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES. ISSN 1742-6588, 2017, vol. 873, art. no. 012048., Registrované v: WOS

1542. [1.1] KRENN, Mario - ZEILINGER, Anton. On small beams with large topological charge: II. Photons, electrons and gravitational waves. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2018, vol. 20, art. no. 063006., Registrované v: WOS

1543. [1.1] KRIBS, Graham D. - MAIER, Andreas - RZEHAK, Heidi - SPANNOWSKY, Michael - WAITE, Philip. Electroweak oblique parameters as a probe of the trilinear Higgs boson self-interaction. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 093004., Registrované v: WOS

1544. [1.1] KRISHNASWAMI, Govind S. - PHATAK, Sachin S. Higgs mechanism and the added-mass effect. In PROCEEDINGS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-5021, 2015, vol. 471, no. 2176, art. no. 20140803., Registrované v: WOS

1545. [1.1] KROLL, I. Joseph. Combined Higgs Results. In ROAD TO DISCOVERY: DETECTOR ALIGNMENT, ELECTRON IDENTIFICATION, PARTICLE MISIDENTIFICATION, WW PHYSICS, AND THE DISCOVERY OF THE HIGGS BOSON. ISSN 2190-5053, 2015, pp. 271-285., Registrované v: WOS

1546. [1.1] KROLL, I. Joseph. Search for $H \rightarrow WW^{(*)}$. In ROAD TO DISCOVERY: DETECTOR ALIGNMENT, ELECTRON IDENTIFICATION, PARTICLE MISIDENTIFICATION, WW PHYSICS, AND THE DISCOVERY OF THE HIGGS BOSON. ISSN 2190-5053, 2015, pp. 229-270., Registrované v: WOS

1547. [1.1] KROLL, I. Joseph. The Road to Discovery Detector Alignment, Electron Identification, Particle Misidentification, WW Physics, and the Discovery of the Higgs Boson Preface. In ROAD TO DISCOVERY: DETECTOR ALIGNMENT, ELECTRON IDENTIFICATION, PARTICLE

MISIDENTIFICATION, WW PHYSICS, AND THE DISCOVERY OF THE HIGGS BOSON. ISSN 2190-5053, 2015, pp. XI-XV., Registrované v: WOS 1548. [1.1] KROLL, I. Joseph. WW Physics. In ROAD TO DISCOVERY: DETECTOR ALIGNMENT, ELECTRON IDENTIFICATION, PARTICLE MISIDENTIFICATION, WW PHYSICS, AND THE DISCOVERY OF THE HIGGS BOSON. ISSN 2190-5053, 2015, pp. 129-149., Registrované v: WOS 1549. [1.1] KUANG, Xiao-Mei - SAAVEDRA, Joel - OVGUN, Ali. The effect of the Gauss-Bonnet term on Hawking radiation from arbitrary dimensional black brane. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 613., Registrované v: WOS 1550. [1.1] KUANG, Yu-Ping - XIA, Ling-Hao. Probing gauge-phobic heavy Higgs bosons at high energy hadron colliders. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 193-199., Registrované v: WOS 1551. [1.1] KUBO, J. Physics beyond the standard model may be described by a massless QFT. In NUCLEAR PHYSICS B. ISSN 0550-3213, APR 2019, vol. 941, p. 911-917., Registrované v: WOS 1552. [1.1] KUEHN, J. H. - SCHARF, A. - UWER, P. Weak interactions in top-quark pair production at hadron colliders: An update. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 014020., Registrované v: WOS 1553. [1.1] KULESZA, Anna - MOTYKA, Leszek - STEBEL, Tomasz - THEEUWES, Vincent. Soft gluon resummation for associated ttH production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 065., Registrované v: WOS 1554. [1.1] KUMAR, Ashok. Higgs Boson Measurements in CMS with Run II Data. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2018, vol. 59, no. 5, art. no. 97., Registrované v: WOS 1555. [1.1] KUMAR, Girish. Constraints on a scalar leptoquark from the kaon sector. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 014022., Registrované v: WOS 1556. [1.1] KUMAR, Jacky - PARASKEVAS, Michael. Distinguishing between MSSM and NMSSM through $\Delta F=2$ processes. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 10, art. no. 134., Registrované v: WOS 1557. [1.1] KUMAR, M. C. - MANDAL, M. K. - RAVINDRAN, V. Associated production of Higgs boson with vector boson at threshold (NLO)-L-3 in QCD. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 3, art. no. 037., Registrované v: WOS 1558. [1.1] KUMAR, Satendra - POULOSE, P. Probing WW gamma coupling through $e(-)\gamma \rightarrow \nu W - e(-)$ at ILC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 36, art. no. 1550215., Registrované v: WOS 1559. [1.1] KUMAR, Satendra - POULOSE, P. - SAHOO, Shibananda. Study of Higgs-gauge boson anomalous couplings through $e(-)e(+)\rightarrow W(-)W(+)\gamma$ at the ILC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 7, art. no. 073016., Registrované v: WOS 1560. [1.1] KUMAR, S. - POULOSE, P. - RAHAMAN, R. - SINGH, R.K. Measuring Higgs self-couplings in the presence of VVH and VVHH at the ILC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, JUN 30 2019, vol. 34, no. 18., Registrované v: WOS

1561. [1.1] KUPLEVAKHISKY, S. B. Higgs mechanism in superconducting structures. In LOW TEMPERATURE PHYSICS. ISSN 1063-777X, 2017, vol. 43, no. 3, pp. 329-342., Registrované v: WOS
1562. [1.1] KURACHI, Masafumi - SHROCK, Robert - YAMAWAKI, Koichi. Determination of SU(4)(TC) technicolor gauge group from embedding in extended technicolor. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 5, art. no. 055032., Registrované v: WOS
1563. [1.1] KUSENKO, Alexander - PEARCE, Lauren - YANG, Louis. Postinflationary Higgs Relaxation and the Origin of Matter-Antimatter Asymmetry. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 6, art. no. 061302., Registrované v: WOS
1564. [1.1] KYAE, Bumseok. Shifted focus point of the Higgs mass parameter from the minimal mixed mediation of supersymmetry breaking. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 015027., Registrované v: WOS
1565. [1.1] KYRIAKOU, I. - EMFIETZOGLOU, D. - IVANCHENKO, V. - BORDAGE, M. C. - GUATELLI, S. - LAZARAKIS, P. - TRAN, H. N. - INCERTI, S. Microdosimetry of electrons in liquid water using the low-energy models of Geant4. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2017, vol. 122, no. 2, art. no. 024303., Registrované v: WOS
1566. [1.1] LALAK, Zygmunt - LEWICKI, Marek - MCGARRIE, Moritz - OLSZEWSKI, Pawel. Features of electroweak symmetry breaking in five dimensional SUSY models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 11, art. no. 137., Registrované v: WOS
1567. [1.1] LAMI, Andrea - ROIG, Pablo. $H \rightarrow ll'$ in the simplest little Higgs model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 056001., Registrované v: WOS
1568. [1.1] LAMI, A. - PORTOLES, J. - ROIG, P. Lepton flavor violation in hadronic decays of the tau lepton in the simplest little Higgs model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 076008., Registrované v: WOS
1569. [1.1] LANDIM, Ricardo G. Dark energy, scalar singlet dark matter and the Higgs portal. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2018, vol. 33, no. 15, art. no. 1850087., Registrované v: WOS
1570. [1.1] LANE, Kenneth - PRITCHETT, Lukas. Heavy vector partners of the light composite Higgs. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 753, pp. 211-214., Registrované v: WOS
1571. [1.1] LANE, Kenneth - PRITCHETT, Lukas. The light composite Higgs boson in strong extended technicolor. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 6, art. no. 140., Registrované v: WOS
1572. [1.1] LANE, K. - SHEPHERD, W. Natural stabilization of the Higgs boson's mass and alignment. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 12 2019, vol. 99, no. 5., Registrované v: WOS
1573. [1.1] LANFRANCHI, Gaia. Rare b-hadron decays as probe of new physics. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 14-15, art. no. 1830012., Registrované v: WOS
1574. [1.1] LANSBERG, J. P. - MIKKELSEN, R. - UGGERHOJ, U. I. Near-Threshold Production of $W^{+/-}$, $Z(0)$, and $H(0)$ at a Fixed-Target Experiment at the Future Ultrahigh-Energy Proton Colliders. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 249167.,

Registrované v: WOS

1575. [1.1] LANYOV, A. V. Recent CMS results of searches for physics beyond the standard model. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2015, vol. 78, no. 4, pp. 521-524., Registrované v: WOS

1576. [1.1] LANYOV, A. V. Results from the CMS collaboration on the search of heavy dilepton and diphoton resonances. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, 2017, vol. 48, no. 5, pp. 779-782., Registrované v: WOS

1577. [1.1] LARKOSKI, Andrew J. - MOULT, Ian - NEILL, Duff. Non-global logarithms, factorization, and the soft substructure of jets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art. no. 143., Registrované v: WOS

1578. [1.1] LARKOSKI, Andrew J. - MALTONI, Fabio - SELVAGGI, Michele. Tracking down hyper-boosted top quarks. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 032., Registrované v: WOS

1579. [1.1] LARSON, D. J. Additional evidence and predictions for the ABC Preon model. In PHYSICS ESSAYS. ISSN 0836-1398, 2017, vol. 30, no. 4, pp. 347-355., Registrované v: WOS

1580. [1.1] LECIEJEWSKI, S. Preface to the Special Issue on Philosophy in Computer Science. In FOUNDATIONS OF COMPUTING AND DECISION SCIENCES. ISSN 0867-6356, MAR 2019, vol. 44, no. 1, p. 3-9., Registrované v: WOS

1581. [1.1] LEE, Gabriel - WAGNER, Carlos E. M. Higgs bosons in heavy supersymmetry with an intermediate $m(A)$. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 075032., Registrované v: WOS

1582. [1.1] LEE, T.H. Null Geodesies in Static Warped Braneworld. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, APR 2019, vol. 74, no. 8, p. 751-755., Registrované v: WOS

1583. [1.1] LEGGETT, Tristan - LI, Tianjun - MAXIN, James A. - NANOPOULOS, Dimitri V. - WALKER, Joel W. Confronting electroweak fine-tuning with No-Scale Supergravity. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 740, pp. 66-72., Registrované v: WOS

1584. [1.1] LEITE, Julio. On the origin of neutrino oscillations through Lorentz violation. In 4TH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES (DISCRETE2014). ISSN 1742-6588, 2015, vol. 631, art. no. 012054., Registrované v: WOS

1585. [1.1] LEITE, L.C.S. - BENONE, C.L. - CRISPINO, L.C.B. On-axis scattering of scalar fields by charged rotating black holes. In PHYSICS LETTERS B. ISSN 0370-2693, AUG 10 2019, vol. 795, p. 496-501., Registrované v: WOS

1586. [1.1] LEITE, L.C.S. - MACEDO, C.F.B. - CRISPINO, L.C.B. Black holes with surrounding matter and rainbow scattering. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 18 2019, vol. 99, no. 6., Registrované v: WOS

1587. [1.1] LEWICKI, Marek - RINDLER-DALLER, Tanja - WELLS, James D. Enabling electroweak baryogenesis through dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 6, art. no. 055., Registrované v: WOS

1588. [1.1] LEWIS, Ian M. - SULLIVAN, Matthew. Benchmarks for double Higgs production in the singlet-extended standard model at the LHC. In

PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035037.,
 Registrované v: WOS

1589. [1.1] LIAO, Qi-Li - DENG, Ya - YU, Yan - WANG, Guang-Chuan -
 XIE, Guo-Ya. Heavy P-wave quarkonium production via Higgs decays. In
 PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 036014.,
 Registrované v: WOS

1590. [1.1] LIEBLER, Stefan - MOORTGAT-PICK, Gudrid - WEIGLEIN,
 Georg. Off-shell effects in Higgs processes at a linear collider and implications
 for the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479,
 2015, no. 6, art. no. 093., Registrované v: WOS

1591. [1.1] LIEBLER, Stefan - PATEL, Shruti - WEIGLEIN, Georg.
 Phenomenology of on-shell Higgs production in the MSSM with complex
 parameters. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017,
 vol. 77, no. 5, art. no. 305., Registrované v: WOS

1592. [1.1] LIEBLER, Stefan - PROFUMO, Stefano - STEFANIAK, Tim.
 Light stop mass limits from Higgs rate measurements in the MSSM: is MSSM
 electroweak baryogenesis still alive after all? In JOURNAL OF HIGH ENERGY
 PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 143., Registrované v: WOS

1593. [1.1] LIEBLER, Stefan. Neutral Higgs production at proton colliders
 in the CP-conserving NMSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN
 1434-6044, 2015, vol. 75, no. 5, art. no. 210., Registrované v: WOS

1594. [1.1] LIEBLER, S. - MUHLLEITNER, M. - SPIRA, M. -
 STADELMAIER, M. The hMSSM approach for Higgs self-couplings revisited.
 In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 28 2019, vol.
 79, no. 1., Registrované v: WOS

1595. [1.1] LIEBLING, Steven L. - PALENZUELA, Carlos. Dynamical
 boson stars. In LIVING REVIEWS IN RELATIVITY. ISSN 1433-8351, 2017,
 vol. 20, art. no. 5., Registrované v: WOS

1596. [1.1] LIM, C. S. The implication of gauge-Higgs unification for the
 hierarchical fermion masses. In PROGRESS OF THEORETICAL AND
 EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2018, no. 9, art. no. 093B02.,
 Registrované v: WOS

1597. [1.1] LIM, C. S. - MARU, Nobuhito - MIURA, Takashi. Is the 126
 GeV Higgs boson mass calculable in gauge-Higgs unification? In PROGRESS
 OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911,
 2015, no. 4, art. no. 043B02., Registrované v: WOS

1598. [1.1] LIPATOV, A. V. - ZOTOV, N. P. On the possibility to detect
 the Higgs decay $H \rightarrow b(\bar{b})$ in the associated Z plus $b(\bar{b})$
 production at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN
 1434-6044, 2015, vol. 75, no. 5, art. no. 189., Registrované v: WOS

1599. [1.1] LIU, Boyang - ZHAI, Hui - ZHANG, Shizhong. Evolution of
 the Higgs mode in a fermion superfluid with tunable interactions. In PHYSICAL
 REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 3, art. no. 033641.,
 Registrované v: WOS

1600. [1.1] LIU, Guo-Li - ZHOU, Ping - GUO, Xiao-Fei - WU, Kun -
 JIANG, Ji. Charged Higgs pair production at the LHC as a probe of the
 top-seesaw assisted technicolor model. In INTERNATIONAL JOURNAL OF
 MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 20-21, art. no.
 1650119., Registrované v: WOS

1601. [1.1] LIU, Ning - HU, Songlin - YANG, Bingfang - HAN, Jinzhong.

Impact of top-Higgs couplings on Di-Higgs production at future colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 1, art. no. 008., Registrované v: WOS

1602. [1.1] LIU, Ning - WU, Lei - YANG, Bingfang - ZHANG, Mengchao. Single top partner production in the Higgs to diphoton channel in the Littlest Higgs Model with T-parity. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 753, pp. 664-669., Registrované v: WOS

1603. [1.1] LIU, Ning - WU, Lei. An indirect probe of the higgsino world at the CEPC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 868., Registrované v: WOS

1604. [1.1] LIU, Ning - ZHANG, Yanming - HAN, Jinzhong - YANG, Bingfang. Enhancing $t(\bar{t})$ production through CP-violating top-Higgs interaction at the LHC and future colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art. no. 008., Registrované v: WOS

1605. [1.1] LIU, Shang - TANG, Yi-Lei - ZHANG, Chen - ZHU, Shou-hua. Exotic Higgs decay $h \rightarrow \phi \phi \rightarrow 4b$ at the LHeC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 7, art. no. 457., Registrované v: WOS

1606. [1.1] LIU, Wei - SUN, Hao - WANG, XiaoJuan - LUO, Xuan. Probing the anomalous FCNC top-Higgs Yukawa couplings at the Large Hadron Electron Collider. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 074015., Registrované v: WOS

1607. [1.1] LIU, Zhen. Probing the Higgs with angular observables at future e^+e^- colliders. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 33, art. no. 1644005., Registrované v: WOS

1608. [1.1] LI, Gang - MAO, Ying-nan - ZHANG, Chen - ZHU, Shou-hua. Testing CP violation in the scalar sector at future e^+e^- colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035015., Registrované v: WOS

1609. [1.1] LI, Chuang - ZHU, Bin - LI, Tianjun. Naturalness, dark matter, and the muon anomalous magnetic moment in supersymmetric extensions of the standard model with a pseudo-Dirac gluino. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 927, pp. 255-273., Registrované v: WOS

1610. [1.1] LI, Jinmian - PATRICK, Riley - SHARMA, Pankaj - WILLIAMS, Anthony G. Boosting the charged Higgs search prospects using jet substructure at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 11, art. no. 164., Registrované v: WOS

1611. [1.1] LI, Jinmian - PATRICK, Riley - SHARMA, Pankaj - WILLIAMS, Anthony G. Boosting the charged Higgs search prospects using jet substructure at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 11, art. no. 164., Registrované v: WOS

1612. [1.1] LI, Jinmian - SI, Zong-guo - WU, Lei - YUE, Jason. Central-edge asymmetry as a probe of Higgs-top coupling in $t(\bar{t})$ production at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 779, pp. 72-76., Registrované v: WOS

1613. [1.1] LI, Qiang - LI, Zhao - YAN, Qi-Shu - ZHAO, Xiaoran. Probe Higgs boson pair production via the $3l2j$ plus is not an element of mode. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 014015., Registrované v: WOS

1614. [1.1] LI, Ruibo - SHEN, Xiao-Min - WANG, Kai - XU, Tao - ZHANG, Liangliang - ZHU, Guohuai. Probing anomalous WW gamma triple gauge bosons coupling at the LHeC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075043., Registrované v: WOS
1615. [1.1] LI, Tianjun - MAXIN, James A. - NANOPOULOS, Dimitri V. Probing the No-Scale F-SU(5) one-parameter model via gluino searches at the LHC2. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 773, pp. 54-56., Registrované v: WOS
1616. [1.1] LI, Tianjun - MAXIN, James A. - NANOPOULOS, Dimitri V. The return of the King: No-Scale F-SU(5). In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 764, pp. 167-173., Registrované v: WOS
1617. [1.1] LI, Tianjun - RAZA, Shabbar - WANG, Kechen. Constraining natural SUSY via the Higgs coupling and the muon anomalous magnetic moment measurements. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055040., Registrované v: WOS
1618. [1.1] LI, Tianjun - RAZA, Shabbar. Electroweak supersymmetry from the generalized minimal supergravity model in the MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 5, art. no. 055016., Registrované v: WOS
1619. [1.1] LI, Tianjun - RAZA, Shabbar - WANG, Xiao-Chuan. Supernatural supersymmetry and its classic example: M-theory inspired NMSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115014., Registrované v: WOS
1620. [1.1] LI, Tianjun - WANG, Wenyu - WANG, Xiao-Chuan - XIONG, Zhao-Hua. The analytical one-loop contributions to Higgs boson mass in the Supersymmetric Standard Model with vector-like particles. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 33, art. no. 1745002., Registrované v: WOS
1621. [1.1] LI, Ying - WANG, Wen-Long - DU, Dong-Shuo - LI, Zuo-Hong - XU, Hong-Xia. Impact of family-non-universal Z ' boson on pure annihilation $B \rightarrow \pi^+ \pi^-$ and $B \rightarrow K^+ K^-$ decays. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 7, art. no. 328., Registrované v: WOS
1622. [1.1] LLAMAS-BUGARIN, A. - GUTIERREZ-RODRIGUEZ, A. - HERNANDEZ-RUIZ, M. A. Probing the electromagnetic dipole moments of the tau-neutrino in the U(1)(B-L) model at the ILC and CLIC energies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 116008., Registrované v: WOS
1623. [1.1] LLORENTE, Javier - NACHMAN, Benjamin P. Limits on new coloured fermions using precision jet data from the Large Hadron Collider. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 936, pp. 106-117., Registrované v: WOS
1624. [1.1] LOEBBERT, Florian - PLEFKA, Jan. Quantum gravitational contributions to the Standard Model effective potential and vacuum stability. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2015, vol. 30, no. 34, art. no. 1550189., Registrované v: WOS
1625. [1.1] LOGAN, Heather E. Hiding a Higgs width enhancement from off-shell $gg \rightarrow h^* \rightarrow ZZ$ measurements. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 075038., Registrované v: WOS
1626. [1.1] LOGAN, Heather E. - RENTALA, Vikram. All the generalized

Georgi-Machacek models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 075011., Registrované v: WOS

1627. [1.1] LOGASHENKO, I. B. - EIDELMAN, S. I. Anomalous magnetic moment of the muon. In PHYSICS-USPEKHI. ISSN 1063-7869, 2018, vol. 61, no. 5, pp. 480-510., Registrované v: WOS

1628. [1.1] LOKHOV, A. V. - TKACHOV, F. V. Confidence intervals with a priori parameter bounds. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, 2015, vol. 46, no. 3, pp. 347-365., Registrované v: WOS

1629. [1.1] LOPEZ-FOGLIANI, D.E. - MUNOZ, C. Searching for supersymmetry: the mu nu SSM A short review. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 21, SI, p. 3263-3301., Registrované v: WOS

1630. [1.1] LORENZO DIAZ-CRUZ, J. - DIAZ, Enrique - ORDUZ-DUCUARA, Javier A. THE TEXTURIZED 2HDM (2HDM-TX) AND HIGGS SIGNATURE AT COLLIDERS. In XIV MEXICAN WORKSHOP ON PARTICLES AND FIELDS. ISSN 1742-6588, 2015, vol. 651, art. no. 012016., Registrované v: WOS

1631. [1.1] LOUIS, Jan - ZARATE, Lucila. Hiding the little hierarchy problem in the NMSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 8, art. no. 062., Registrované v: WOS

1632. [1.1] LUAN GUI-PING - ZHANG PEI-RAN - JIAO NA - SUN LI-ZHONG. Tunneling magnetoresistance based on a Cr/graphene/Cr magnetotunnel junction. In CHINESE PHYSICS B. ISSN 1674-1056, 2015, vol. 24, no. 11, art. no. 117201., Registrované v: WOS

1633. [1.1] LUCINI, Biagio. Numerical results for gauge theories near the conformal window. In 4TH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES (DISCRETE2014). ISSN 1742-6588, 2015, vol. 631, art. no. 012065., Registrované v: WOS

1634. [1.1] LUISONI, Gionata - MARZANI, Simone. QCD resummation for hadronic final states. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 10, art. no. 103101., Registrované v: WOS

1635. [1.1] LUISONI, Gionata - OLEARI, Carlo - TRAMONTANO, Francesco. Wb(b)over-barj production at NLO with POWHEG plus MiNLO. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 161., Registrované v: WOS

1636. [1.1] LUJAN, P. - HALYO, V. Massively parallel computing at the Large Hadron Collider up to the HL-LHC. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2015, vol. 10, art. no. C09003., Registrované v: WOS

1637. [1.1] LUNA TERRAZAS, Edgar R. - PEREZ-LORENZANA, Abdel. Dirac neutrino mixings from hidden mu-tau symmetry. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 785, pp. 51-58., Registrované v: WOS

1638. [1.1] LUSIANI, Alberto. Dark sector and Light New Physics searches in BABAR. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 287, pp. 189-194., Registrované v: WOS

1639. [1.1] LUTH, Vera. A challenge to lepton universality in B meson decays. In HYPERFINE INTERACTIONS. ISSN 0304-3843, 2018, vol. 239, art. no. 59., Registrované v: WOS

1640. [1.1] LUTZ, Helma. Myra's Predicament: Motherhood Dilemmas for

- Migrant Care Workers. In SOCIAL POLITICS. ISSN 1072-4745, 2015, vol. 22, no. 3, pp. 341-359., Registrované v: WOS
1641. [1.1] LU, Chih-Ting - CHANG, Jung - CHEUNG, Kingman - LEE, Jae Sik. An exploratory study of Higgs-boson pair production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 8, art. no. 133., Registrované v: WOS
1642. [1.1] LU, Jie - BIJNENS, Johan. Effective Theories for QCD-like at TeV Scale. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 1618-1623., Registrované v: WOS
1643. [1.1] LU, Wei. A Clifford algebra approach to chiral symmetry breaking and fermion mass hierarchies. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 26, art. no. 1750159., Registrované v: WOS
1644. [1.1] LU, W. Dynamical symmetry breaking and negative cosmological constant. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, AUG 30 2019, vol. 34, no. 24., Registrované v: WOS
1645. [1.1] LU, Xiaochuan - SHIRAI, Satoshi - TERADA, Takahiro. ATLAS Z excess in minimal supersymmetric standard model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art. no. 204., Registrované v: WOS
1646. [1.1] LYONS, Louis - WARDLE, Nicholas. Statistical issues in searches for new phenomena in High Energy Physics. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 3, art. no. 033001., Registrované v: WOS
1647. [1.1] MACRAE, Roderick M. Matter a current picture. In SCIENCE PROGRESS. ISSN 0036-8504, 2017, vol. 100, no. 2, pp. 133-186., Registrované v: WOS
1648. [1.1] MAEKAWA, Nobuhiro - MURAMATSU, Yu - SHIGEKAMI, Yoshihiro. Constraints of chromoelectric dipole moments to natural SUSY type sfermion spectrum. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115021., Registrované v: WOS
1649. [1.1] MAHMOOD, Shakeel - TAHIR, Farida - MIR, Azeem. The effects of nonstandard neutrino interactions (NSIs) in $K-L(0) \rightarrow \pi(0)\nu(\nu)\text{over-bar}, B \rightarrow \pi(0)\nu(\nu)\text{over-bar}, B \rightarrow K^*(0)\nu(\nu)\text{over-bar}$ and $B \rightarrow X-s \nu(\nu)\text{over-bar}$. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 25, art. no. 1550154., Registrované v: WOS
1650. [1.1] MAHMOOD, Shakeel - TAHIR, Farida - MIR, Azeem. Hints of NSIs from $D-s(+) \rightarrow K+\text{upsilon}(\text{upsilon})\text{over-bar}, D-0 \rightarrow \pi(0)\text{upsilon}(\text{upsilon})\text{over-bar}$ and $D-s(+) \rightarrow D+\text{upsilon}(\text{upsilon})\text{over-bar}$. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 2, art. no. 1550013., Registrované v: WOS
1651. [1.1] MAHMOOD, Shakeel - TAHIR, Farida - MIR, Azeem. Hints of new physics from $D-s(+) \rightarrow K+\text{upsilon}(\text{upsilon})\text{over-bar}, D-0 \rightarrow \pi(0)\text{upsilon}(\text{upsilon})\text{over-bar}$ and $D-s(+) \rightarrow D+\text{upsilon}(\text{upsilon})\text{over-bar}$ decays. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2015, vol. 30, no. 1, art. no. 1550004., Registrované v: WOS
1652. [1.1] MAIEZZA, Alessio - NEMEVSSEK, Miha. HIGGS BOSON(S) IN THE MINIMAL LEFT-RIGHT MODEL. In ACTA PHYSICA POLONICA

- B. ISSN 0587-4254, 2015, vol. 46, no. 11, pp. 2317-2322., Registrované v: WOS
1653. [1.1] MAIEZZA, Alessio - NEMEVSEK, Miha. TOWARDS NEUTRINO MASS ORIGIN. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2015, vol. 46, no. 11, pp. 2393-2398., Registrované v: WOS
1654. [1.1] MAIEZZA, Alessio - NEMEVSEK, Miha - NESTI, Fabrizio. Lepton Number Violation in Higgs Decay at LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 8, art. no. 081802., Registrované v: WOS
1655. [1.1] MAIM, Raoul - NEUBERT, Matthias - SCHMELL, Christoph. Impact of warped extra dimensions on the dipole coefficients in $b \rightarrow s$ gamma transitions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 042., Registrované v: WOS
1656. [1.1] MAINA, Ezio. Interference effects in heavy Higgs production via gluon fusion in the singlet extension of the Standard Model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 004., Registrované v: WOS
1657. [1.1] MAITY, Debaprasad. Minimal Higgs inflation. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 919, pp. 560-568., Registrované v: WOS
1658. [1.1] MAJKA, Z. - PLANETA, R. - SOSIN, Z. - WIELOCH, A. - ZELGA, K. - ADAMCZYK, M. - PELCZAR, K. - BARBUI, M. - WUENSCHER, S. - HAGEL, K. - CAO, X. - KIM, E-J - NATOWITZ, J. - WADA, R. - ZHENG, H. - GIULIANI, G. - KOWALSKI, S. A NOVEL EXPERIMENTAL SETUP FOR RARE EVENTS SELECTION AND ITS POTENTIAL APPLICATION TO SUPER-HEAVY ELEMENTS SEARCH. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2018, vol. 49, no. 10, pp. 1801-1811., Registrované v: WOS
1659. [1.1] MAJUMDAR, Debasish - BANIK, Amit Dutta - BISWAS, Anirban. Exploring a hidden fermionic dark sector. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2017, vol. 89, no. 4, art. no. 67., Registrované v: WOS
1660. [1.1] MAKEL, M.C. - SMITH, K.N. - MCBEE, M.T. - PETERS, S.J. - MILLER, E.M. A Path to Greater Credibility: Large-Scale Collaborative Education Research. In AERA OPEN. OCT 2019, vol. 5, no. 4., Registrované v: WOS
1661. [1.1] MALIK, Khafsa - AHMAD, Mushtaq - ZHANG, Guolin - RASHID, Neelam - ZAFAR, Muhammad - SULTANA, Shazia - SHAH, Syed Nasar. Traditional plant based medicines used to treat musculoskeletal disorders in Northern Pakistan. In EUROPEAN JOURNAL OF INTEGRATIVE MEDICINE. ISSN 1876-3820, 2018, vol. 19, pp. 17-64., Registrované v: WOS
1662. [1.1] MALINSKY, Daniel. Hypothesis Testing, "Dutch Book" Arguments, and Risk. In PHILOSOPHY OF SCIENCE. ISSN 0031-8248, 2015, vol. 82, no. 5, pp. 917-929., Registrované v: WOS
1663. [1.1] MALM, Raoul - NEUBERT, Matthias - SCHMELL, Christoph. Higgs couplings and phenomenology in a warped extra dimension. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 2, art. no. 008., Registrované v: WOS
1664. [1.1] MALTONI, Fabio - PAGANI, Davide - TSINIKOS, Ioannis. Associated production of a top-quark pair with vector bosons at NLO in QCD: impact on $t(\bar{t})$ searches at the LHC. In JOURNAL OF HIGH ENERGY

PHYSICS. ISSN 1029-8479, 2016, no. 2, art. no. 113., Registrované v: WOS 1665. [1.1] MALTONI, Fabio - PAGANI, Davide - SHIVAJI, Ambresh - ZHAO, Xiaoran. Trilinear Higgs coupling determination via single-Higgs differential measurements at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 887., Registrované v: WOS 1666. [1.1] MALTONI, Fabio - PAGANI, Davide - ZHAO, Xiaoran. Constraining the Higgs self-couplings at $e(+)e(-)$ colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 087., Registrované v: WOS 1667. [1.1] MALTONI, F. - MANDAL, M.K. - ZHAO, X.R. Top-quark effects in diphoton production through gluon fusion at next-to-leading order in QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 11 2019, vol. 100, no. 7., Registrované v: WOS 1668. [1.1] MAMBRINI, Yann - NAGATA, Natsumi - OLIVE, Keith A. - ZHENG, Jiaming. Vacuum stability and radiative electroweak symmetry breaking in an $SO(10)$ dark matter model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 111703., Registrované v: WOS 1669. [1.1] MANGANO, Michelangelo L. - PLEHN, Tilman - REIMITZ, Peter - SCHELL, Torben - SHAO, Hua-Sheng. Measuring the top Yukawa coupling at 100 TeV. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 3, art. no. 035001., Registrované v: WOS 1670. [1.1] MANGANO, M.L. - ORTONA, G. - SELVAGGI, M. Measuring the Higgs self-coupling via Higgs-pair production at a 100 TeV p-p collider. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 8 2020, vol. 80, no. 11., Registrované v: WOS 1671. [1.1] MANNHEIM, Philip D. Living without supersymmetry-the conformal alternative and a dynamical Higgs boson. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 11, art. no. 115003., Registrované v: WOS 1672. [1.1] MANNHEIM, Philip D. Mass generation, the cosmological constant problem, conformal symmetry, and the Higgs boson. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 94, pp. 125-183., Registrované v: WOS 1673. [1.1] MANTILLA, S. F. - MARTINEZ, R. Nonuniversal anomaly-free $U(1)$ model with three Higgs doublets and one singlet scalar field. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 095027., Registrované v: WOS 1674. [1.1] MANTILLA, S. F. - MARTINEZ, R. - OCHOA, F. Neutrino and CP-even Higgs boson masses in a nonuniversal $U(1)'$ extension. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095037., Registrované v: WOS 1675. [1.1] MANTLER, Hendrik - WIESEMANN, Marius. Hadronic Higgs production through NLO plus PS in the SM, the 2HDM and the MSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 6, art. no. 257., Registrované v: WOS 1676. [1.1] MAO, Ying-nan - ZHU, Shou-hua. Higgs boson-mu-tau coupling at high and low energy colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 035014., Registrované v: WOS 1677. [1.1] MAO, Ying-nan - ZHU, Shou-hua. Lightness of a Higgs boson

- and spontaneous CP-violation in the Lee model: An alternative scenario. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055008., Registrované v: WOS
1678. [1.1] MARIN, J.L. Energy Reconstruction Performance in the ATLAS Tile Calorimeter Operating at High Event Rate Conditions Using LHC Collision Data. In PROCEEDINGS OF THE 2020 INTERNATIONAL CONFERENCE ON SYSTEMS, SIGNALS AND IMAGE PROCESSING (IWSSIP), 27TH EDITION. ISSN 2157-8672, 2020, p. 361-366., Registrované v: WOS
1679. [1.1] MARIOTTI, Alberto - REDIGOLO, Diego - SALA, Filippo - TOBIOKA, Kohsaku. New LHC bound on low-mass diphoton resonances. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 13-18., Registrované v: WOS
1680. [1.1] MARIOTTI, Chiara - PASSARINO, Giampiero. Higgs boson couplings: Measurements and theoretical interpretation. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 4, art. no. 1730003., Registrované v: WOS
1681. [1.1] MARKKANEN, Tommi - RAJANTIE, Arttu - STOPYRA, Stephen. Cosmological Aspects of Higgs Vacuum Metastability. In FRONTIERS IN ASTRONOMY AND SPACE SCIENCES. ISSN 2296-987X, 2018, vol. 5, art. no. 40., Registrované v: WOS
1682. [1.1] MARRA, Valerio. Coupling dark energy to dark matter inhomogeneities. In PHYSICS OF THE DARK UNIVERSE. ISSN 2212-6864, 2016, vol. 13, pp. 25-29., Registrované v: WOS
1683. [1.1] MARSH, David J. E. Axion cosmology. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2016, vol. 643, pp. 1-79., Registrované v: WOS
1684. [1.1] MARSCH, Eckart - NARITA, Yasuhito. Fundamental Fermion Interactions via Vector Bosons of Unified $SU(2) \times SU(4)$ Gauge Fields. In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2016, vol. 4, art. no. 5., Registrované v: WOS
1685. [1.1] MARTIN LOZANO, Victor - MORENO, Jesus M. - PARK, Chan Beom. Resonant Higgs boson pair production in the $hh \rightarrow b\bar{b} WW \rightarrow b\bar{b} \nu\bar{\nu} \nu\bar{\nu}$ decay channel. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 8, art. no. 004., Registrované v: WOS
1686. [1.1] MARTINEZ, R. - GAITAN, R. - MONTES DE OCA, J. H. - GARCES, E. A. SM Higgs boson and $t \rightarrow cZ$ decays in the 2HDM type III with CP violation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035031., Registrované v: WOS
1687. [1.1] MARTINEZ, R. - NISPERUZA, J. - OCHOA, F. - RUBIO, J. P. - SIERRA, C. F. Scalar coupling limits and diphoton Higgs decay from LHC in an $U(1)'$ model with scalar dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 035016., Registrované v: WOS
1688. [1.1] MARTINEZ, R. - OCHOA, F. Spin-independent interferences and spin-dependent interactions with scalar dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 113., Registrované v: WOS
1689. [1.1] MARTINS, C. J. A. P. The status of varying constants: a review of the physics, searches and implications. In REPORTS ON PROGRESS IN

PHYSICS. ISSN 0034-4885, 2017, vol. 80, no. 12, art. no. 126902., Registrované v: WOS

1690. [1.1] MARTINS, C. J. A. P. - PINHO, A. M. M. - ALVES, R. F. C. - PINO, M. - ROCHA, C. I. S. A. - VON WIETERSHEIM, M. Dark energy and equivalence principle constraints from astrophysical tests of the stability of the fine-structure constant. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2015, no. 8, art. no. 047., Registrované v: WOS

1691. [1.1] MARTINS, C. J. A. P. - PINHO, A. M. M. Fine-structure constant constraints on dark energy. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 10, art. no. 103501., Registrované v: WOS

1692. [1.1] MARTINS, C. J. A. P. - VIELZEUF, P. E. - MARTINELLI, M. - CALABRESE, E. - PANDOLFI, S. Evolution of the fine-structure constant in runaway dilaton models. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 743, pp. 377-382., Registrované v: WOS

1693. [1.1] MARTINS, C. J. A. P. Fundamental cosmology in the E-ELT era: the status and future role of tests of fundamental coupling stability. In GENERAL RELATIVITY AND GRAVITATION. ISSN 0001-7701, 2015, vol. 47, no. 1, art. no. 1843., Registrované v: WOS

1694. [1.1] MARTIN, Stephen P. Pole mass of the W boson at two-loop order in the pure (MS)over-bar scheme. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 11, art. no. 114003., Registrované v: WOS

1695. [1.1] MARTIN-LOZANO, Vctor - OVIEDO-CASADO, Santiago. The non-Universal U(1) gauge extended mu nu SSM: anomalies cancellation and singular phenomenology. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 102., Registrované v: WOS

1696. [1.1] MARZOLA, Luca - RACIOPPI, Antonio - VASKONEN, Ville. Phase transition and gravitational wave phenomenology of scalar conformal extensions of the Standard Model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 7, art. no. 484., Registrované v: WOS

1697. [1.1] MARZOLA, Luca - RAIDAL, Martti. Natural relaxation. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 39, art. no. 1650215., Registrované v: WOS

1698. [1.1] MASTROLORENZO, L. The CMS Level-1 Tau identification algorithm for the LHC Run II. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 2518-2520., Registrované v: WOS

1699. [1.1] MATHEW, Jose - SHANKARANARAYANAN, S. Low scale Higgs inflation with Gauss-Bonnet coupling. In ASTROPARTICLE PHYSICS. ISSN 0927-6505, 2016, vol. 84, pp. 1-7., Registrované v: WOS

1700. [1.1] MATONE, Marco. Exponentiating Higgs. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 772, pp. 435-441., Registrované v: WOS

1701. [1.1] MATSEDONSKYI, Oleksii. On flavour and naturalness of composite Higgs models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 2, art. no. 154., Registrované v: WOS

1702. [1.1] MATSUMOTO, Shigeki - SHIRAI, Satoshi - TAKEUCHI, Michihisa. Indirect probe of electroweakly interacting particles at the high-luminosity Large Hadron Collider. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 049., Registrované v: WOS

1703. [1.1] MATSUMOTO, S. - SHIRAI, S. - TAKEUCHI, M. Indirect probe of electroweak-interacting particles with mono-lepton signatures at hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 13 2019, no. 3., Registrované v: WOS
1704. [1.1] MATSUNAGA, Ryusuke - SHIMANO, Ryo. Nonlinear terahertz spectroscopy of Higgs mode in s-wave superconductors. In PHYSICA SCRIPTA. ISSN 0031-8949, 2017, vol. 92, no. 2, art. no. 024003., Registrované v: WOS
1705. [1.1] MATSUZAKI, Shinya - NISHIWAKI, Kenji - WATANABE, Ryoutaro. Phenomenology of flavorful composite vector bosons in light of B anomalies. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 145., Registrované v: WOS
1706. [1.1] MATSUZAKI, Shinya. One-family walking technicolor in light of LHC Run II. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 35, art. no. 1747004., Registrované v: WOS
1707. [1.1] MAYES, Van E. - LUTZ, Andrew W. Light Higgsino dark matter in the MSSM on D-branes. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 9, art. no. 095006., Registrované v: WOS
1708. [1.1] MA, Ernest - NATALE, Alexander. Dark matter with flavor symmetry and its collider signature. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 740, pp. 80-82., Registrované v: WOS
1709. [1.1] MA, Ernest - POLLARD, Nicholas - SRIVASTAVA, Rahul - ZAKERI, Mohammadreza. Gauge B-L model with residual $Z(3)$ symmetry. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 750, pp. 135-138., Registrované v: WOS
1710. [1.1] MA, Ernest. Flavor and Dark Matter via the one Higgs. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2015, vol. 263, pp. 77-79., Registrované v: WOS
1711. [1.1] MA, Ernest. Progressive gauge $U(1)$ family symmetry for quarks and leptons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 031701., Registrované v: WOS
1712. [1.1] MA, Ernest. Radiative mixing of the one Higgs boson and emergent self-interacting dark matter. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 754, pp. 114-117., Registrované v: WOS
1713. [1.1] MA, Ernest. Syndetic model of fundamental interactions. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 741, pp. 202-204., Registrované v: WOS
1714. [1.1] MA, Ernest. The many guises of a neutral fermion singlet. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2017, vol. 32, no. 8, art. no. 1730007., Registrované v: WOS
1715. [1.1] MA, Ernest. Transformative $A(4)$ mixing of neutrinos with CP violation. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 051301., Registrované v: WOS
1716. [1.1] MA, Teng - CACCIAPAGLIA, Giacomo. Fundamental composite 2HDM: $SU(N)$ with 4 flavours. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 211., Registrované v: WOS
1717. [1.1] MCCOLL, Nickolas. 3rd generation squark searches at CMS. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 491-495., Registrované v: WOS

1718. [1.1] MCDOWALL, John - MILLER, David J. High scale boundary conditions with an additional complex singlet. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115042., Registrované v: WOS
1719. [1.1] MCDOWALL, J. - MILLER, D.J. High scale boundary conditions in models with two Higgs doublets. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 15 2019, vol. 100, no. 1., Registrované v: WOS
1720. [1.1] MCDOWELL, J. - MILLER, D.J. The Multiple Point Principle and Extended Higgs Sectors. In FRONTIERS IN PHYSICS. ISSN 2296-424X, SEP 20 2019, vol. 7., Registrované v: WOS
1721. [1.1] MCGARRIE, Moritz - MOORTGAT-PICK, Gudrid - PORTO, Stefano. Confronting Higgs couplings from D-term extensions and natural SUSY at the LHC and ILC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 4, art. no. 150., Registrované v: WOS
1722. [1.1] MEADE, P. - RAMANI, H. Unrestored Electroweak Symmetry. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, FEB 1 2019, vol. 122, no. 4., Registrované v: WOS
1723. [1.1] MELIA, Fulvio. A solution to the electroweak horizon problem in the $R-h = ct$ universe. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 739., Registrované v: WOS
1724. [1.1] MELNIKOV, Kirill - PENIN, Alexander. On the light quark mass effects in Higgs boson production in gluon fusion. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5., Registrované v: WOS
1725. [1.1] MELO, Ivan. Higgs potential and fundamental physics. In EUROPEAN JOURNAL OF PHYSICS. ISSN 0143-0807, 2017, vol. 38, no. 6, art. no. 065404., Registrované v: WOS
1726. [1.1] MENDONCA, Jose Tito - SERBETO, Antonio. Effective charge of intense laser pulses in plasmas. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2017, vol. 71, no. 8, art. no. 221., Registrované v: WOS
1727. [1.1] MENON, Arjun - RAJ, Nirmal. A 125 GeV fat Higgs at large $\tan\beta$. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 12., Registrované v: WOS
1728. [1.1] MEREGHETTI, Emanuele. Constraining top-Higgs couplings at high and low energy. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. 08012., Registrované v: WOS
1729. [1.1] MERCHAND, Marco - SHER, Marc. Three doublet lepton-specific model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055004., Registrované v: WOS
1730. [1.1] MERLE, Alexander - PLATSCHER, Moritz - ROJAS, Nicolas - VALLE, Jose W. F. - VICENTE, Avelino. Consistency of WIMP Dark Matter as radiative neutrino mass messenger. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art. no. 013., Registrované v: WOS
1731. [1.1] MEUSER, D. - VOIGT, A. Investigating multiple solutions to boundary value problems in constrained minimal and non-minimal SUSY models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 2019, vol. 79, no. 10., Registrované v: WOS
1732. [1.1] MIHAILA, Luminita N. - STEINHAUSER, Matthias. Selected topics on multi-loop calculations to Higgs boson properties and renormalization group functions. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS.

ISSN 2405-6014, 2015, vol. 261, pp. 443-470., Registrované v: WOS

1733. [1.1] MILEO, Nicolas - KIERS, Ken - SZYNKMAN, Alejandro. Probing sensitivity to charged scalars through partial differential widths: $\tau \rightarrow K \pi \pi \nu(\tau)$ decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 7, art. no. 073006., Registrované v: WOS

1734. [1.1] MILEO, Nicolas - KIERS, Ken - SZYNKMAN, Alejandro - CRANE, Daniel - GEGNER, Ethan. Pseudoscalar top-Higgs coupling: exploration of CP-odd observables to resolve the sign ambiguity. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art. no. 056., Registrované v: WOS

1735. [1.1] MILLIS, Marc G. Inertial frames and breakthrough propulsion physics. In ACTA ASTRONAUTICA. ISSN 0094-5765, 2017, vol. 138, pp. 85-94., Registrované v: WOS

1736. [1.1] MINGERS, John - LEYDESDORFF, Loet. A review of theory and practice in scientometrics. In EUROPEAN JOURNAL OF OPERATIONAL RESEARCH. ISSN 0377-2217, 2015, vol. 246, no. 1, pp. 1-19., Registrované v: WOS

1737. [1.1] MINGERS, John - YANG, Liying. Evaluating journal quality: A review of journal citation indicators, and ranking in business and management. In EUROPEAN JOURNAL OF OPERATIONAL RESEARCH. ISSN 0377-2217, 2017, vol. 257, no. 1, pp. 323-337., Registrované v: WOS

1738. [1.1] MIN, Brian B. K. Relativistic fields allowing spontaneous transformation between mass and charge. In PHYSICS ESSAYS. ISSN 0836-1398, 2018, vol. 31, no. 3, pp. 265-273., Registrované v: WOS

1739. [1.1] MIRALLES, V. Global fits in the coloured scalar model. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, JAN-MAR 2020, vol. 309, p. 63-66., Registrované v: WOS

1740. [1.1] MIRANDA, O. G. - VALLE, J. W. F. Neutrino oscillations and the seesaw origin of neutrino mass. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 908, pp. 436-455., Registrované v: WOS

1741. [1.1] MISTLBERGER, Bernhard. Higgs boson production at hadron colliders at (NLO)-L-3 in QCD. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 028., Registrované v: WOS

1742. [1.1] MODAK, Tanmoy - SAHOO, Dibyakrupa - SINHA, Rahul - CHENG, Hai-Yang - YUAN, Tzu-Chiang. Disentangling the spin-parity of a resonance via the gold-plated decay mode. In CHINESE PHYSICS C. ISSN 1674-1137, 2016, vol. 40, no. 3, art. no. 033002., Registrované v: WOS

1743. [1.1] MODAK, Tanmoy - SRIVASTAVA, Rahul. Probing anomalous Higgs couplings in $H \rightarrow Z \nu \nu$ decays. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2017, vol. 32, no. 3, art. no. 1750004., Registrované v: WOS

1744. [1.1] MODAK, T. Probing an additional bottom Yukawa coupling via $b g \rightarrow b A \rightarrow b Z H$ signature. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 20 2019, vol. 100, no. 3., Registrované v: WOS

1745. [1.1] MODAK, T. - SENAHA, E. Electroweak baryogenesis via bottom transport. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 18 2019, vol. 99, no. 11., Registrované v: WOS

1746. [1.1] MOFFAT, J. W. A composite model of quarks and bosons. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 3, art. no. 1550014., Registrované v: WOS

1747. [1.1] MOHAMMADI, Abdollah. Search for the Standard Model

Higgs boson at CMS. In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, art. no. 03026., Registrované v: WOS

1748. [1.1] MOLINARO, Emiliano - VIGNAROLI, Natascia. Diphoton resonances at the LHC. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2017, vol. 32, no. 27, art. no. 1730024., Registrované v: WOS

1749. [1.1] MOLINARO, Emiliano - SANNINO, Francesco - VIGNAROLI, Natascia. Collider tests of (composite) diphoton resonances. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 911, pp. 106-126., Registrované v: WOS

1750. [1.1] MONDALA, Tanmoy - BASAKA, Tanushree. Class of Higgs-portal dark matter models in the light of gamma-ray excess from galactic center. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 744, pp. 208-212., Registrované v: WOS

1751. [1.1] MONDAL, Subhadeep - RAI, Santosh Kumar. Probing the heavy neutrinos of inverse seesaw model at the LHeC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 033008., Registrované v: WOS

1752. [1.1] MONDAL, Tanmoy - DEY, Ujjal Kumar - KONAR, Partha. Implications of unitarity and charge breaking minima in a left-right symmetric model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 096005., Registrované v: WOS

1753. [1.1] MONFARED, S. Taheri - FAYAZBAKHS, Sh. - NAJAFABADI, M. Mohammadi. Exploring anomalous HZ gamma couplings in gamma-proton collisions at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 762, pp. 301-308., Registrované v: WOS

1754. [1.1] MONNI, Pier Francesco - RE, Emanuele - TORRIELLI, Paolo. Higgs Transverse-Momentum Resummation in Direct Space. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 24, art. no. 242001., Registrované v: WOS

1755. [1.1] MORAIS, A.P. - PASECHNIK, R. - POROD, W. Prospects for new physics from gauge left-right-colour-family grand unification hypothesis. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 2020, vol. 80, no. 12., Registrované v: WOS

1756. [1.1] MORANTE, Silvia - ROSSI, Giancarlo. The Notion of Scientific Knowledge in Biology. In SCIENCE & EDUCATION. ISSN 0926-7220, 2016, vol. 25, no. 1-2, pp. 165-197., Registrované v: WOS

1757. [1.1] MORETTI, Stefano - MUNIR, Shoaib. Two Higgs Bosons near 125 GeV in the Complex NMSSM and the LHC Run I Data. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 509847., Registrované v: WOS

1758. [1.1] MORETTI, Stefano - O'BRIEN, Dermot - PANIZZI, Luca - PRAGER, Hugo. Production of extra quarks at the Large Hadron Collider beyond the narrow width approximation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075035., Registrované v: WOS

1759. [1.1] MORETTI, Stefano - YAGYU, Kei. Constraints on parameter space from perturbative unitarity in models with three scalar doublets. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 5, art. no. 055022., Registrované v: WOS

1760. [1.1] MORETTI, S. Variations on a Higgs theme. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 1, art. no. 014012.,

Registrované v: WOS

1761. [1.1] MOSHIN, Pavel Yu. - RESHETNYAK, Alexander A. Finite field-dependent BRST-anti-BRST transformations: Jacobians and application to the Standard Model. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 20-21, art. no. 1650111.,

Registrované v: WOS

1762. [1.1] MOSS, Ian G. Higgs boson cosmology. In CONTEMPORARY PHYSICS. ISSN 0010-7514, 2015, vol. 56, no. 4, pp. 468-476., Registrované v: WOS

1763. [1.1] MOTTOLA, Emil. Scalar gravitational waves in the effective theory of gravity. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 7, art. no. 043., Registrované v: WOS

1764. [1.1] MOTT, Alex - JOB, Joshua - VLMANT, Jean-Roch - LIDAR, Daniel - SPIROPULU, Maria. Solving a Higgs optimization problem with quantum annealing for machine learning. In NATURE. ISSN 0028-0836, 2017, vol. 550, no. 7676, pp. 375-+., Registrované v: WOS

1765. [1.1] MOULTAKA, G. - DE TRAUBENBERG, M.R. - TANT, D. Low energy supergravity revisited (I). In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, JAN 10 2019, vol. 34, no. 1.,

Registrované v: WOS

1766. [1.1] MOUNZI, Z. - FERRICHA-ALAMI, M. - CHAKIR, H. - BENNAI, M. Braneworld inflation with a complex scalar field from Planck 2015. In GENERAL RELATIVITY AND GRAVITATION. ISSN 0001-7701, 2016, vol. 48, no. 6, art. no. 72., Registrované v: WOS

1767. [1.1] MOYOTL, A. New sources of CP violation. In 31ST ANNUAL MEETING OF THE DIVISION OF PARTICLES AND FIELDS (DPYC) OF THE MEXICAN PHYSICAL SOCIETY. ISSN 1742-6588, 2017, vol. 912, art. no. 012019., Registrované v: WOS

1768. [1.1] MOYOTL, A. - TAVARES-VELASCO, G. - TOSCANO, J. J. CP-odd contributions to the $ZZ^*\gamma$, $ZZ\gamma^*$, and ZZZ^* vertices induced by nondiagonal charged scalar boson couplings. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 093005., Registrované v: WOS

1769. [1.1] MUEHLLEITNER, Margarete - SAMPAIO, Marco O. P. - SANTOS, Rui - WITTBRODT, Jonas. Phenomenological comparison of models with extended Higgs sectors. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 132., Registrované v: WOS

1770. [1.1] MUEHLLEITNER, Margarete - SAMPAIO, Marco O. P. - SANTOS, Rui - WITTBRODT, Jonas. The N2HDM under theoretical and experimental scrutiny. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 094., Registrované v: WOS

1771. [1.1] MUEHLLEITNER, Margarete - DAO THI NHUNG - RZEHA, Heidi - WALZ, Kathrin. Two-loop contributions of the order $O(\alpha(t)\alpha(s))$ to the masses of the Higgs bosons in the CP-violating NMSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 5, art. no. 128., Registrované v: WOS

1772. [1.1] MUKHERJEE, Swagata. Differential measurement of signal strength of the Higgs boson in diphoton decay channel with the CMS detector. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 2442-2444., Registrované v: WOS

1773. [1.1] MUNIR, Shoaib. Light exotic Higgs bosons at the LHC. In

INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC. ISSN 1742-6588, 2017, vol. 878, art. no. 012028., Registrované v: WOS

1774. [1.1] MURAKAMI, Brandon - TAIT, Tim M. P. Searching for lepton flavor violation at a future high energy $e^{+}e^{-}$ collider. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 015002., Registrované v: WOS

1775. [1.1] MURAYAMA, Hitoshi - RENTALA, Vikram - SHU, Jing. Probing strong electroweak symmetry breaking dynamics through quantum interferometry at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 116002., Registrované v: WOS

1776. [1.1] MURPHY, Christopher W. Vector leptoquarks and the 750 GeV diphoton resonance at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 757, pp. 192-198., Registrované v: WOS

1777. [1.1] MURRONE, A. Measurements of Higgs boson production cross section and CP violation in the $H \rightarrow \tau\tau$ decay channel with the ATLAS detector. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2018, vol. 41, no. 3, art. no. 97., Registrované v: WOS

1778. [1.1] NAGATA, Natsumi - OTONO, Hidetoshi - SHIRAI, Satoshi. Probing Bino-Wino coannihilation at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 10, art. no. 086., Registrované v: WOS

1779. [1.1] NAGATA, Natsumi - OTONO, Hidetoshi - SHIRAI, Satoshi. Cornering compressed gluino at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 025., Registrované v: WOS

1780. [1.1] NAGATA, Natsumi - OTONO, Hidetoshi - SHIRAI, Satoshi. Probing bino-gluino coannihilation at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 748, pp. 24-29., Registrované v: WOS

1781. [1.1] NAGATA, Natsumi - SHIRAI, Satoshi. Higgsino dark matter in high-scale supersymmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 1, art. no. 029., Registrované v: WOS

1782. [1.1] NACHMAN, Benjamin - RUDELIUS, Tom. A meta-analysis of the 8 TeV ATLAS and CMS SUSY searches. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 2, pp. 1-13., Registrované v: WOS

1783. [1.1] NACHMAN, Benjamin. For a light stop, less is more when gluinos mediate. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 9, art. no. 1650052., Registrované v: WOS

1784. [1.1] NAIMUDDIN, Md - MALHOTRA, Shivali. The model-independent analysis for Higgs boson. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2016, vol. 87, no. 3, art. no. 36., Registrované v: WOS

1785. [1.1] NAKAMURA, Junya - BAGLIO, Julien. Jet azimuthal angle correlations in the production of a Higgs boson pair plus two jets at hadron colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 1, art. no. 35., Registrované v: WOS

1786. [1.1] NAKAMURA, Junya. Polarizations of the Z and W bosons in the processes $pp \rightarrow ZH$ and $pp \rightarrow (WH)-H-+/-$. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 008., Registrované v: WOS

1787. [1.1] NAKAMURA, Junya. Set of new observables in the process $e^{+}e^{-} \rightarrow ZHH$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 013005., Registrované v: WOS

1788. [1.1] NAKAMURA, Y. - TAKAHASHI, J. - YAMANAKA, Y. - OHKUBO, S. Effective field theory of Bose-Einstein condensation of a clusters and Nambu-Goldstone-Higgs states in C-12. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 1, art. no. 014314., Registrované v: WOS
1789. [1.1] NAM, C.H. U(1) extension of the standard model from short-distance structure of spacetime. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 3 2019, vol. 79, no. 5., Registrované v: WOS
1790. [1.1] NAPSUCIALE, M. - RODRIGUEZ, S. - FERRO-HERNANDEZ, Rodolfo - GOMEZ-AVILA, Selim. Spin-one matter fields. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 076003., Registrované v: WOS
1791. [1.1] NATALE, Alexander. A radiative model of quark masses with binary tetrahedral symmetry. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 914, pp. 201-219., Registrované v: WOS
1792. [1.1] NATH, Pran - SPISAK, Andrew B. Gluino coannihilation and observability of gluinos at LHC run II. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 095023., Registrované v: WOS
1793. [1.1] NATH, Pran - SYED, Raza M. A stronger case for superunification post Higgs boson discovery. In PHYSICA SCRIPTA. ISSN 0031-8949, 2017, vol. 92, no. 12, art. no. 124005., Registrované v: WOS
1794. [1.1] NATH, Pran. High energy physics and cosmology at the unification frontier: Opportunities and challenges in the coming years. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 20, art. no. 1830017., Registrované v: WOS
1795. [1.1] NAYAK, A.C. - SRIVASTAVA, T. Impact of ELKO fermion on Higgs mass. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, SEP 2020, vol. 229, no. 11, SI, p. 2035-2041., Registrované v: WOS
1796. [1.1] NEBOT, Miguel. Constraints on a Class of Two-Higgs Doublet Models with tree level FCNC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 1448-1454., Registrované v: WOS
1797. [1.1] NEBOT, Miguel. Phenomenological prospects for two Higgs doublet models with controlled FCNC. In FIFTH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES. ISSN 1742-6588, 2017, vol. 873, art. no. 012038., Registrované v: WOS
1798. [1.1] NEFEDOV, M. A. - SALEEV, V. A. Diphoton production at the Tevatron and the LHC in the NLO approximation of the parton Reggeization approach. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 094033., Registrované v: WOS
1799. [1.1] NEHRKORN, Alexander. Tau leptons and the decay $H \rightarrow \tau \tau$ at CMS. In HYPERFINE INTERACTIONS. ISSN 0304-3843, 2016, vol. 237, art. no. 96., Registrované v: WOS
1800. [1.1] NEJAD, S. Mohammad Moosavi - ABBASPOUR, S. Next-to-leading order corrections to the spin-dependent energy spectrum of hadrons from polarized top quark decay in the general two Higgs doublet model. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 921, pp. 86-103., Registrované v: WOS
1801. [1.1] NELLIST, C. Achievements of the ATLAS upgrade Planar Pixel Sensors R&D Project. In JOURNAL OF INSTRUMENTATION. ISSN

- 1748-0221, 2015, vol. 10, art. no. C01027., Registrované v: WOS
1802. [1.1] NEUMANN, Tobias - WILLIAMS, Ciaran. Higgs bosons at high $p(T)$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 014004., Registrované v: WOS
1803. [1.1] NEVZOROV, R. - THOMAS, A. W. E-6 inspired composite Higgs model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 075007., Registrované v: WOS
1804. [1.1] NGUYEN ANH KY - NGUYEN THI HONG VAN. Latest results on the Higgs boson discovery and investigation at the ATLAS-LHC. In IWTCP-2 AND NCTP-39. ISSN 1742-6588, 2015, vol. 627, art. no. 012011., Registrované v: WOS
1805. [1.1] NGUYEN, T. Phong - LE, T. Thuy - HONG, T. T. - HUE, L. T. Decay of standard-model-like Higgs boson $h \rightarrow \mu \tau$ in a 3-3-1 model with inverse seesaw neutrino masses. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 073003., Registrované v: WOS
1806. [1.1] NG, J. N. - DE LA PUENTE, Alejandro. Electroweak vacuum stability and the seesaw mechanism revisited. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 3, art. no. 122., Registrované v: WOS
1807. [1.1] NICKEL, Kilian - STAUB, Florian. Precise determination of the Higgs mass in supersymmetric models with vectorlike tops and the impact on naturalness in minimal GMSB. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 7, art. no. 139., Registrované v: WOS
1808. [1.1] NIKRAH, M. - JAFARI, S. Electron energy and electron trajectories in an inverse free-electron laser accelerator based on a novel electrostatic wiggler. In LASER PHYSICS. ISSN 1054-660X, 2016, vol. 26, no. 6, art. no. 065005., Registrované v: WOS
1809. [1.1] NILLES, Hans Peter. Phenomenological Hints from a Class of String Motivated Model Constructions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 412487., Registrované v: WOS
1810. [1.1] NILLES, Hans Peter. Phenomenological Hints from a Class of String Motivated Model Constructions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 412487., Registrované v: WOS
1811. [1.1] NISHIDA, Michinobu - YOSHIOKA, Koichi. Higgs boson mass and muon $g-2$ with strongly coupled vectorlike generations. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 095022., Registrované v: WOS
1812. [1.1] NISHIWAKI, Kenji - OKADA, Hiroshi - ORIKASA, Yuta. Three loop neutrino model with isolated $k(+/-+/-)$. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 093013., Registrované v: WOS
1813. [1.1] NISHI, C. C. Compatible abelian symmetries in N-Higgs-doublet models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 3, art. no. 034., Registrované v: WOS
1814. [1.1] NIS, Busra - CICI, Ali - UN, Cem Salih - KIRCA, Zerrin. Light Higgs Bosons and Muon $g-2$ in THDM. In PROCEEDINGS OF THE TURKISH PHYSICAL SOCIETY 32ND INTERNATIONAL PHYSICS CONGRESS (TPS32). ISSN 0094-243X, 2017, vol. 1815, art. no. 130007-1., Registrované v: WOS
1815. [1.1] NOMURA, Takaaki - OKADA, Hiroshi - ORIKASA, Yuta. $SU(2)_L$ septet scalar linking to a radiative neutrino model. In PHYSICAL

REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055012.,
 Registrované v: WOS

1816. [1.1] NOOSHABADI, Vajihe Taghdiri - MARDPOUR, Soura -
 YOUSEFI-AHMADIPOUR, Aliakbar - ALLAHVERDI, Amir - IZADPANAHI,
 Mehrnaz - DANESHIMEHR, Fatemeh - AI, Jafar - BANAFSHE, Hamid R. -
 EBRAHIMI-BAROUGH, Somayeh. The extracellular vesicles-derived from
 mesenchymal stromal cells: A new therapeutic option in regenerative medicine.
 In JOURNAL OF CELLULAR BIOCHEMISTRY. ISSN 0730-2312, 2018, vol.
 119, no. 10, pp. 8048-8073., Registrované v: WOS

1817. [1.1] NORDSTROM, K. - PAPAEFSTATHIOU, A. VHH production
 at the high-luminosity LHC. In EUROPEAN PHYSICAL JOURNAL PLUS.
 ISSN 2190-5444, JUN 2019, vol. 134, no. 6., Registrované v: WOS

1818. [1.1] NORMAN, G. Two heads are better than one?. In ADVANCES
 IN HEALTH SCIENCES EDUCATION. ISSN 1382-4996, MAY 2019, vol. 24,
 no. 2, p. 195-198., Registrované v: WOS

1819. [1.1] NORRIS, Ray P. Discovering the Unexpected in Astronomical
 Survey Data. In PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF
 AUSTRALIA. ISSN 1323-3580, 2017, vol. 34, art. no. e007., Registrované v:
 WOS

1820. [1.1] NOVALES-SANCHEZ, H. - SALINAS, M. - TOSCANO, J. J. -
 VAZQUEZ-HERNANDEZ, O. Electric dipole moments of charged leptons at
 one loop in the presence of massive neutrinos. In PHYSICAL REVIEW D. ISSN
 2470-0010, 2017, vol. 95, no. 5, art. no. 055016., Registrované v: WOS

1821. [1.1] NOZARI, Kourosh - SHAFIZADEH, Somayeh - RASHIDI,
 Narges. Lowering the self-coupling of the scalar field in the generalized Higgs
 inflation. In ASTROPHYSICS AND SPACE SCIENCE. ISSN 0004-640X, 2018,
 vol. 363, no. 7, art. no. 135., Registrované v: WOS

1822. [1.1] OBLAKOWSKA-MUCHA, A. Radiation Hard Silicon Particle
 Detectors for Phase-II LHC Trackers. In JOURNAL OF INSTRUMENTATION.
 ISSN 1748-0221, 2017, vol. 12, art. no. C02054., Registrované v: WOS

1823. [1.1] ODA, Ichiro. Planck and electroweak scales emerging from
 conformal gravity. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044,
 2018, vol. 78, no. 10, art. no. 798., Registrované v: WOS

1824. [1.1] ODA, I. Higgs potential from Wick rotation in conformal BSM.
 In MODERN PHYSICS LETTERS A. ISSN 0217-7323, OCT 10 2019, vol. 34,
 no. 31., Registrované v: WOS

1825. [1.1] ODINTSOV, S.D. - OIKONOMOU, V.K. Unification of
 inflation with dark energy in $f(R)$ gravity and axion dark matter. In PHYSICAL
 REVIEW D. ISSN 2470-0010, MAY 28 2019, vol. 99, no. 10., Registrované v:
 WOS

1826. [1.1] OHKI, Shunsuke - JIN, Xiuguang - ISHIKAWA, Tomoki -
 KAMEZAKI, Takuya - YAMADA, Kizuku - MUTO, Shunichi - TACKEUCHI,
 Atsushi. Prolonged spin relaxation time in Zn-doped GaAs/GaAsP
 strain-compensated superlattice. In APPLIED PHYSICS LETTERS. ISSN
 0003-6951, 2017, vol. 111, no. 2, art. no. 022405., Registrované v: WOS

1827. [1.1] OHMER, Sebastian - PATEL, Hiren H. Leptobaryons as
 Majorana dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol.
 92, no. 5, art. no. 055020., Registrované v: WOS

1828. [1.1] OCHANDO, Christophe. HGCal: A High-Granularity
 Calorimeter for the Endcaps of CMS at HL-LHC. In 17TH INTERNATIONAL

CONFERENCE ON CALORIMETRY IN PARTICLE PHYSICS

(CALOR2016). ISSN 1742-6588, 2017, vol. 928, art. no. 012025., Registrované v: WOS

1829. [1.1] OMURA, Yuji - SENAHA, Eibun - TOBE, Kazuhiro. Lepton-flavor-violating Higgs decay $h \rightarrow \mu \tau$ and muon anomalous magnetic moment in a general two Higgs doublet model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 5, art. no. 028., Registrované v: WOS

1830. [1.1] OMURA, Yuji - SENAHA, Eibun - TOBE, Kazuhiro. τ - and μ -physics in a general two Higgs doublet model with μ τ flavor violation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055019., Registrované v: WOS

1831. [1.1] OMURA, Yuji - TOBE, Kazuhiro - TSUMURA, Koji. Survey of Higgs interpretations of the diboson excesses. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 5, art. no. 055015., Registrované v: WOS

1832. [1.1] OREDSSON, J. 2HDM: Two-Higgs-Doublet Model Evolver. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, NOV 2019, vol. 244, p. 409-426., Registrované v: WOS

1833. [1.1] OREDSSON, J. - RATHSMAN, J. $Z(2)$ breaking effects in 2-loop RG evolution of 2HDM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 22 2019, no. 2., Registrované v: WOS

1834. [1.1] OSHIMO, Noriyuki. Two-photon decay of the Higgs bosons in a supersymmetric model with a CP-violating potential. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 095017., Registrované v: WOS

1835. [1.1] OSLAND, P. - PANKOV, A. A. - TSYTRINOV, A. V. The Higgs-like boson spin from the center-edge asymmetry in the diphoton channel at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 199., Registrované v: WOS

1836. [1.1] OTSUKA, Hajime. Moduli stabilization to a natural MSSM with gravitino dark matter and inflation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 4, art. no. 045001., Registrované v: WOS

1837. [1.1] OTSUKA, Hajime. Particle physics and cosmology with high-scale SUSY breaking in five-dimensional supergravity models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 10., Registrované v: WOS

1838. [1.1] OUAHID, M.A. - LOUALIDI, M.A. - LAAMARA, R.A. - SAIDI, E.H. Neutrino phenomenology in the flavored NMSSM without domain wall problems. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 21 2020, vol. 102, no. 11., Registrované v: WOS

1839. [1.1] OUAZGHOUR, B.A. - ARHRIB, A. - BENBRIK, R. - CHABAB, M. - RAHILI, L. Theory and phenomenology of a two-Higgs-doublet type-II seesaw model at the LHC run 2. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 27 2019, vol. 100, no. 3., Registrované v: WOS

1840. [1.1] PAGANINI, Michela - DE OLIVEIRA, Luke - NACHMAN, Benjamin. Accelerating Science with Generative Adversarial Networks: An Application to 3D Particle Showers in Multilayer Calorimeters. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 4, art. no. 042003., Registrované v: WOS

1841. [1.1] PAGANI, D. - SHAO, H.S. - ZARO, M. $\text{RIP } H(b) \rightarrow \text{other Higgs production modes}$ how other Higgs production modes conspire to kill a rare signal at the LHC. In

JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 10 2020, no. 11., Registrované v: WOS

1842. [1.1] PAKHLOV, P. Determination of the CP violation parameters at Belle II. In XIII INTERNATIONAL CONFERENCE ON BEAUTY, CHARM AND HYPERON HADRONS (BEACH 2018). ISSN 1742-6588, 2019, vol. 1137., Registrované v: WOS

1843. [1.1] PALLE, Davor. A NOTE ON THE ANOMALOUS MAGNETIC MOMENT OF THE MUON. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 5, pp. 1237-1244., Registrované v: WOS

1844. [1.1] PANDEY, Madhurima - MAJUMDAR, Debasish - MODAK, Kamakshya Prasad. Two component Feebly Interacting Massive Particle (FIMP) dark matter. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 6, art. no. 023., Registrované v: WOS

1845. [1.1] PANOTOPOULOS, Grigorios - VIDELA, Nelson. Warm $\lambda/4 \phi(4)$ inflationary universe model in light of Planck 2015 results. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 11, pp. 1-7., Registrované v: WOS

1846. [1.1] PANOV, Alexander. The Structure of Reality, or Where to Find the Final Theory? In PHILOSOPHY AND COSMOLOGY-FILOSOFIYA I KOSMOLOGIYA. ISSN 2307-3705, 2017, vol. 19, pp. 74-94., Registrované v: WOS

1847. [1.1] PARIDA, M. K. - NAYAK, Bidyut Prava - SATPATHY, Rajesh - AWASTHI, Ram Lal. Standard coupling unification in SO(10), hybrid seesaw neutrino mass and leptogenesis, dark matter, and proton lifetime predictions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, art. no. 075., Registrované v: WOS

1848. [1.1] PARIDA, M.K. - SAMANTARAY, R. Unification predictions with or without supersymmetry. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 21, SI, p. 3243-3262., Registrované v: WOS

1849. [1.1] PASECHNIK, Roman - BEYLIN, Vitaly - KUKSA, Vladimir - VERESHKOV, Grigory. Composite scalar dark matter from vector-like SU(2) confinement. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 8, art. no. 1650036., Registrované v: WOS

1850. [1.1] PASECHNIK, Roman - KOPELIOVICH, Boris - POTASHNIKOVA, Irina. Diffractive Bremsstrahlung in Hadronic Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 701467., Registrované v: WOS

1851. [1.1] PASSEHR, Sebastian - WEIGLEIN, Georg. Two-loop top and bottom Yukawa corrections to the Higgs-boson masses in the complex MSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 222., Registrované v: WOS

1852. [1.1] PATIL, Subodh P. - SCHWALLER, Pedro. Relaxing the electroweak scale: the role of broken dS symmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 2, art. no. 077., Registrované v: WOS

1853. [1.1] PATRICK, Riley - SHARMA, Pankaj - WILLIAMS, Anthony G. Exploring a heavy charged Higgs using jet substructure in a fully hadronic channel. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 917, pp. 19-30., Registrované v: WOS

1854. [1.1] PELAGGI, Giulio Maria - STRUMIA, Alessandro - VIGIANI, Elena. Trinification can explain the di-photon and di-boson LHC anomalies. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 025., Registrované v: WOS
1855. [1.1] PELAGGI, Giulio Maria. Predictions of a model of weak scale from dynamical breaking of scale invariance. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 893, pp. 443-458., Registrované v: WOS
1856. [1.1] PENG, Jen-Chieh - QIU, Jian-Wei. The Drell-Yan Process. In UNIVERSE-TAIPEI. ISSN 2309-852X, 2016, vol. 4, no. 3, pp. 34-44., Registrované v: WOS
1857. [1.1] PEREZ, Genessis - SEKULLA, Marco - ZEPPENFELD, Dieter. Anomalous quartic gauge couplings and unitarization for the vector boson scattering process $pp \rightarrow W^+W^+ jj X \rightarrow l^{(+)}\nu(l)l^{(+)}\nu(l)jj X$. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 759., Registrované v: WOS
1858. [1.1] PEREZ, Gilad - SOREQ, Yotam - STAMOU, Emmanuel - TOBIOKA, Kohsaku. Constraining the charm Yukawa and Higgs-quark coupling universality. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 033016., Registrované v: WOS
1859. [1.1] PHAM QUANG HUNG - NGUYEN NHU LE. Dynamical electroweak symmetry breaking in the model of electroweak-scale right-handed neutrinos. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 11, art. no. 1650065., Registrované v: WOS
1860. [1.1] PHAN, K. H. - HUNG, H. T. - HUE, L. T. One-loop contributions to neutral Higgs decay $h \rightarrow \mu \tau$. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2016, no. 11, art. no. 113B03., Registrované v: WOS
1861. [1.1] PICH, Antonio. ICHEP 2014 Summary: Theory Status after the First LHC Run. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 1-10., Registrované v: WOS
1862. [1.1] PICH, Antonio. Status after the first LHC run: Looking for new directions in the physics landscape. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2016, vol. 824, pp. 43-46., Registrované v: WOS
1863. [1.1] PING, Chia Swee. Penguin-like Diagrams from the Standard Model. In NATIONAL PHYSICS CONFERENCE 2014 (PERFIK 2014). ISSN 0094-243X, 2015, vol. 1657, art. no. 030002., Registrované v: WOS
1864. [1.1] POPOV, Oleg - WHITE, G. A. One leptoquark to unify them? Neutrino masses and unification in the light of $(g-2)_{\mu}$, R-D (star) and R-K anomalies. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 923, pp. 324-338., Registrované v: WOS
1865. [1.1] POULOSE, P. - SAHOO, Shibananda - SRIDHAR, K. Exploring the Inert Doublet Model through the dijet plus missing transverse energy channel at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 765, pp. 300-306., Registrované v: WOS
1866. [1.1] PRICE, T. - ROLOFF, P. - STRUBE, J. - TANABE, T. Full simulation study of the top Yukawa coupling at the ILC at TeV. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 7, art. no. 309., Registrované v: WOS

1867. [1.1] PRIMO, A. - SASSO, G. - SOMOGYI, G. - TRAMONTANO, F. Exact top Yukawa corrections to Higgs boson decay into bottom quarks. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 19 2019, vol. 99, no. 5., Registrované v: WOS
1868. [1.1] PROFUMO, Stefano - RAMSEY-MUSOLF, Michael J. - WAINWRIGHT, Carroll L. - WINSLOW, Peter. Singlet-catalyzed electroweak phase transitions and precision Higgs boson studies. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 035018., Registrované v: WOS
1869. [1.1] PROFUMO, Stefano - STEFANIAK, Tim. Alignment without decoupling: The portal to light dark matter in the MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 095020., Registrované v: WOS
1870. [1.1] PROKHOROV, D. A. Upper bounds on matter-antimatter admixture from gamma-ray observations of colliding clusters of galaxies with the Fermi Large Area Telescope. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 8, art. no. 083002., Registrované v: WOS
1871. [1.1] PUNZI, Giovanni - TONELLI, Diego. Flavor as a Probe for Non-SM Physics. In CP VIOLATION IN B(0)(S) (RIGHT ARROW) J/PSI-PHI DECAYS: MEASURED WITH THE COLLIDER DETECTOR AT FERMILAB. ISSN 2190-5053, 2015, pp. 5-31., Registrované v: WOS
1872. [1.1] PUTRA, B.A.N. - KOSASIH, J.S. Phenomenology of Minimal Composite Double Higgs Model. In 7TH ASIAN PHYSICS SYMPOSIUM. ISSN 1742-6588, 2019, vol. 1204., Registrované v: WOS
1873. [1.1] PYSKIR, Andrzej. SEARCHES FOR THE STANDARD MODEL HIGGS BOSON DECAY TO T LEPTON PAIRS AT THE CMS EXPERIMENT. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 6, pp. 1151-1156., Registrované v: WOS
1874. [1.1] QIAN, X. - VOGEL, P. Neutrino mass hierarchy. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2015, vol. 83, pp. 1-30., Registrované v: WOS
1875. [1.1] QIN, Qin - LI, Qiang - LUE, Cai-Dian - YU, Fu-Sheng - ZHOU, Si-Hong. Charged lepton flavor violating Higgs decays at future $e^{+}e^{-}$ colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 10, art. no. 835., Registrované v: WOS
1876. [1.1] QUACKENBUSH, Seth - SULLIVAN, Zack. Parton distributions and the W mass measurement. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 033008., Registrované v: WOS
1877. [1.1] QUADRI, A. Higgs potential from derivative interactions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 16, art. no. 1750089., Registrované v: WOS
1878. [1.1] QUACH, Nhi M. U. - KURIHARA, Yoshimasa. ISR effects on loop corrections of a top pair-production at the ILC. In 4TH COMPUTATIONAL PARTICLE PHYSICS WORKSHOP. ISSN 1742-6588, 2017, vol. 920, art. no. 012012., Registrované v: WOS
1879. [1.1] QUACH, Nhi M. U. - KURIHARA, Yoshimasa - PHAN, Khiem H. - UEDA, Takahiro. Beam polarization effects on top-pair production at the ILC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 5, art. no. 422., Registrované v: WOS
1880. [1.1] QUERTENMONT, Loic. CMS constraints on the Higgs boson width from off-shell production and decay to Z-boson pairs. In NUCLEAR AND

- PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 771-774., Registrované v: WOS
1881. [1.1] QUIGG, Chris. Electroweak Symmetry Breaking in Historical Perspective. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 65. ISSN 0163-8998, 2015, vol. 65, pp. 25-42., Registrované v: WOS
1882. [1.1] QUIGG, Chris. Future colliders symposium in Hong Kong: Scientific overview. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 33, art. no. 1644001., Registrované v: WOS
1883. [1.1] QUIROS, Israel - GONZALEZ, Tame - NUCAMENDI, Ulises - GARCIA-SALCEDO, Ricardo - ANTONIO HORTA-RANGEL, Francisco - SAAVEDRA, Joel. On the phantom barrier crossing and the bounds on the speed of sound in non-minimal derivative coupling theories. In CLASSICAL AND QUANTUM GRAVITY. ISSN 0264-9381, 2018, vol. 35, no. 7, art. no. 075005., Registrované v: WOS
1884. [1.1] RABBERTZ, Klaus. Theoretical Framework. In JET PHYSICS AT THE LHC: THE STRONG FORCE BEYOND THE TEV SCALE. ISSN 0081-3869, 2017, vol. 268, pp. 3-60., Registrované v: WOS
1885. [1.1] RABY, S. Supersymmetric Grand Unified Theories: From Quarks to Strings via SUSY GUTs. In SUPERSYMMETRIC GRAND UNIFIED THEORIES: FROM QUARKS TO STRINGS VIA SUSY GUTS. ISSN 0075-8450, 2017, vol. 939, pp. 1-427., Registrované v: WOS
1886. [1.1] RACCO, Davide - WULZER, Andrea - ZWIRNER, Fabio. Robust collider limits on heavy-mediator Dark Matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 5, art. no. 009., Registrované v: WOS
1887. [1.1] RACIOPPI, Antonio. Coleman-Weinberg linear inflation: metric vs. Palatini formulation. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2017, no. 12, art. no. 041., Registrované v: WOS
1888. [1.1] RAGGI, M. - KOZHUHAROV, V. Results and perspectives in dark photon physics. In RIVISTA DEL NUOVO CIMENTO. ISSN 0393-697X, 2015, vol. 38, no. 10, pp. 449-505., Registrované v: WOS
1889. [1.1] RAJANTIE, Arttu - STOPYRA, Stephen. Standard model vacuum decay with gravity. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 2, art. no. 025008., Registrované v: WOS
1890. [1.1] RAJANTIE, Arttu - STOPYRA, Stephen. Standard model vacuum decay in a de Sitter background. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 2, art. no. 025012., Registrované v: WOS
1891. [1.1] RAMIREZ-SANCHEZ, F. - GUTIERREZ-RODRIGUEZ, A. - HERNANDEZ-RUIZ, M. A. Higgs bosons production and decay at future $e(+)e(-)$ linear colliders as a probe of the B-L model. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 9, art. no. 095003., Registrované v: WOS
1892. [1.1] RASOULI, S. - REZAZADEH, K. - ABDOLMALEKI, A. - KARAMI, K. Warm DBI inflation with constant sound speed. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 28 2019, vol. 79, no. 1., Registrované v: WOS
1893. [1.1] RAUCH, Michael - ZEPPENFELD, Dieter. Jet clustering

dependence of Higgs boson production in vector-boson fusion. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 114015., Registrované v: WOS

1894. [1.1] RAUT, Sushant K. Matter effects at the T2HK and T2HKK experiments. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075029., Registrované v: WOS

1895. [1.1] RAVERA, F. CMS Tracker upgrade for HL-LHC: R&D plans, present status and perspectives. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2016, vol. 824, pp. 455-458., Registrované v: WOS

1896. [1.1] RAZA, Shabbar - SHAFI, Qaisar - UN, Cem Salih. NLSP gluino and NLSP stop scenarios from b tau Yukawa unification. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 055010., Registrované v: WOS

1897. [1.1] REBELO, M. N. Implication of Higgs mediated Flavour Changing Neutral Currents with Minimal Flavour Violation. In 4TH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES (DISCRETE2014). ISSN 1742-6588, 2015, vol. 631, art. no. 012029., Registrované v: WOS

1898. [1.1] REDFORD, Sophie - ROLOFF, Philipp. PHYSICS AT CLIC. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2015, vol. 46, no. 7, pp. 1391-1402., Registrované v: WOS

1899. [1.1] REED, Robert Graham. Search for resonances decaying to photon pairs in 3.2 fb⁻¹ of pp collisions at root s=13 TeV with the ATLAS detector. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP 2016. ISSN 1742-6588, 2017, vol. 802, art. no. 012011., Registrované v: WOS

1900. [1.1] REED, Robert Graham. Measurement of the Higgs Boson Transverse Momentum in the Di-photon Channel with the ATLAS detector in Run 1. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP (HEPPW2015). ISSN 1742-6588, 2015, vol. 645, art. no. UNSP 012015., Registrované v: WOS

1901. [1.1] REIS, J. T. - SAUTER, W. K. Production of magnetic monopoles and monopolium in peripheral collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075031., Registrované v: WOS

1902. [1.1] RENDON, J. - ROIG, P. - TOLEDO, G. Effective-field theory analysis of the tau(-) -> (K pi)(-)-nu(tau) decays. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 17 2019, vol. 99, no. 9., Registrované v: WOS

1903. [1.1] REN, Jing - HE, Hong-Jian. Probing gravitational dark matter. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2015, no. 3, art. no. 052., Registrované v: WOS

1904. [1.1] REN, J. - WU, L. - YANG, J.M. - ZHAO, J. Exploring supersymmetry with machine learning. In NUCLEAR PHYSICS B. ISSN 0550-3213, JUN 2019, vol. 943., Registrované v: WOS

1905. [1.1] REUSCHLE, Christian. Event simulation for colliders A basic overview. In 16TH INTERNATIONAL WORKSHOP ON ADVANCED COMPUTING AND ANALYSIS TECHNIQUES IN PHYSICS RESEARCH (ACAT2014). ISSN 1742-6588, 2015, vol. 608, art. no. 012072., Registrované v: WOS

1906. [1.1] REUTER, Juergen - TONINI, Marco. Top Partner Discovery in the T> tZ channel at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS.

- ISSN 1029-8479, 2015, no. 1, art. no. 088., Registrované v: WOS
1907. [1.1] REYES, E.A. - FAZIO, A.R. Comparison of the EFT hybrid and three-loop fixed-order calculations of the lightest MSSM Higgs boson mass. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 9 2019, vol. 100, no. 11., Registrované v: WOS
1908. [1.1] RE, Emanuele - WIESEMANN, Marius - ZANDERIGHI, Giulia. NNLOPS accurate predictions for $W+W^-$ production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 121., Registrované v: WOS
1909. [1.1] RIA, G. - MELONI, D. Radiative corrections of heavy scalar decays to gauge bosons in the singlet extension of the Standard Model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 270., Registrované v: WOS
1910. [1.1] RICCIARDI, Giulia - ARBEY, Alexandre - BERTUZZO, Enrico - CARMONA, Adrian - DERMISEK, Radovan - HUBER, Tobias - HURTH, Tobias - GROSSMAN, Yuval - KERSTEN, Jorn - LUNGHI, Enrico - MAHMOUDI, Farvah - MASIERO, Antonio - NEUBERT, Matthias - SHEPHERD, William - VELASCO-SEVILLA, Liliana. Flavour, electroweak symmetry breaking and dark matter: state of the art and future prospects. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2015, vol. 130, no. 10, art. no. 209., Registrované v: WOS
1911. [1.1] RICKER, Martin. A numerical algorithm with preference statements to evaluate the performance of scientists. In SCIENTOMETRICS. ISSN 0138-9130, 2015, vol. 103, no. 1, pp. 191-212., Registrované v: WOS
1912. [1.1] RIEMANN, Sabine. STATUS AND PROSPECTS OF $e^{+}e^{-}$ LINEAR COLLIDER PROJECTS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2015, vol. 46, no. 11, pp. 2213-2219., Registrované v: WOS
1913. [1.1] RINDANI, Saurabh D. - SHARMA, Pankaj - SHIVAJI, Ambresh. Unraveling the CP phase of top-Higgs coupling in associated production at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 761, pp. 25-30., Registrované v: WOS
1914. [1.1] ROBENS, Tania - STEFANIAK, Tim. Status of the Higgs singlet extension of the standard model after LHC run 1. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 3, art. no. 104., Registrované v: WOS
1915. [1.1] ROBERTS, C.D. - SCHMIDT, S.M. Reflections upon the emergence of hadronic mass. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 22-23, p. 3319-3340., Registrované v: WOS
1916. [1.1] ROJAS-ABATTE, Felipe - MORA, Maria Luisa - URBINA, Jose - ZERWEKH, Alfonso R. Inert two-Higgs-doublet model strongly coupled to a non-Abelian vector resonance. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 095025., Registrované v: WOS
1917. [1.1] ROLBIECKI, Krzysztof - SAKURAI, Kazuki. Long-lived bino and wino in supersymmetry with heavy scalars and higgsinos. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 11, art. no. 091., Registrované v: WOS
1918. [1.1] ROMAO, Miguel Crispim. $SO(10)$ Grand Unification from M theory on a $G(2)$ manifold. In 4TH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES (DISCRETE2014). ISSN 1742-6588,

2015, vol. 631, art. no. 012085., Registrované v: WOS

1919. [1.1] ROSS, Graham G. - SCHMIDT-HOBERG, Kai - STAUB, Florian. Revisiting fine-tuning in the MSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 021., Registrované v: WOS

1920. [1.1] ROSZKOWSKI, Leszek - SESSOLO, Enrico Maria - WILLIAMS, Andrew J. Prospects for dark matter searches in the pMSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 2, art. no. 014., Registrované v: WOS

1921. [1.1] ROVELLI, C - VIDOTTO, F. Covariant Loop Quantum Gravity: An Elementary Introduction to Quantum Gravity and Spinfoam Theory. In COVARIANT LOOP QUANTUM GRAVITY: AN ELEMENTARY INTRODUCTION TO QUANTUM GRAVITY AND SPINFOAM THEORY, 2015, pp. 1-254., Registrované v: WOS

1922. [1.1] ROY, D. P. SUSY dark matter in universal and nonuniversal gaugino mass models. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, 2017, vol. 91, no. 7, pp. 803-818., Registrované v: WOS

1923. [1.1] ROY, Tuhin S. - THALAPILLIL, Arun M. Augmenting collider searches and enhancing discovery potentials through stochastic jet grooming. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075002., Registrované v: WOS

1924. [1.1] RUAN, Kun-Ming - SHU, Jing - YEPES, Juan. CP-Violation from Spin-1 Resonances in a Left-Right Dynamical Higgs Context. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2016, vol. 66, no. 1, pp. 93-103., Registrované v: WOS

1925. [1.1] RUAN, Kun-Ming - SHU, Jing - YEPES, Juan. CP-Violation from Spin-1 Resonances in a Left-Right Dynamical Higgs Context. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2016, vol. 66, no. 1, pp. 93-103., Registrované v: WOS

1926. [1.1] RUAN, Manqi. Higgs Measurement at $e^{+}e^{-}$ Circular Colliders. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 857-862., Registrované v: WOS

1927. [1.1] RUBBIA, Carlo. The role of elementary particle accelerators. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 31, art. no. 1844010., Registrované v: WOS

1928. [1.1] RUBIO, Javier. Higgs inflation and vacuum stability. In 4TH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES (DISCRETE2014). ISSN 1742-6588, 2015, vol. 631, art. no. 012032., Registrované v: WOS

1929. [1.1] RUFFINI, R. - AIMURATOV, Y. - BIANCO, C. L. - ENDERLI, M. - KOVACEVIC, M. - MORADI, R. - MUCCINO, M. - PENACCHIONI, A. V. - PISANI, G. B. - RUEDA, J. A. - WANG, Y. Induced gravitational collapse in FeCO Core-Neutron star binaries and Neutron star-Neutron star binary mergers. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 28-29, art. no. 1545023., Registrované v: WOS

1930. [1.1] RUFFINI, R. - WANG, Y. - ENDERLI, M. - MUCCINO, M. - KOVACEVIC, M. - BIANCO, C. L. - PENACCHIONI, A. V. - PISANI, G. B. - RUEDA, J. A. GRB 130427A AND SN 2013cq: A MULTI-WAVELENGTH ANALYSIS OF AN INDUCED GRAVITATIONAL COLLAPSE EVENT. In ASTROPHYSICAL JOURNAL. ISSN 0004-637X, 2015, vol. 798, no. 1, art. no.

10., Registrované v: WOS

1931. [1.1] RZAYEVA, Sevd. Gauge model with exotic particles. In MODERN TRENDS IN PHYSICS, 2017, pp. 125-127., Registrované v: WOS

1932. [1.1] SAEEDHOSSEINI, Mina - TOFIGHI, Ali. Strong Electroweak Phase Transition in a Model with Extended Scalar Sector. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, art. no. 7638204., Registrované v: WOS

1933. [1.1] SAFRONOVA, M. S. - BUDKER, D. - DEMILLE, D. - KIMBALL, Derek F. Jackson - DEREVIANKO, A. - CLARK, Charles W. Search for new physics with atoms and molecules. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2018, vol. 90, no. 2, art. no. 025008., Registrované v: WOS

1934. [1.1] SAHA, Abhijit Kumar - SIL, Arunansu. Higgs vacuum stability and modified chaotic inflation. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 765, pp. 244-250., Registrované v: WOS

1935. [1.1] SAHIN KUTUK, Birsen - SAHIN, Mehmet. REFLECTIONS OF THE DEVELOPMENTS IN THE FIELD OF PHYSICS ON SOCIOLOGY: POSITIVISM. In ISTANBUL JOURNAL OF SOCIOLOGICAL STUDIES-SOSYOLOJI KONFERANSLARI. ISSN 1304-0243, 2017, no. 56, pp. 178-198., Registrované v: WOS

1936. [1.1] SAHIN, B. Search for the anomalous ZZH couplings at the CLIC. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, NOV 30 2019, vol. 34, no. 36., Registrované v: WOS

1937. [1.1] SAIDI, El Hassan. On Higgs self-coupling parameter lambda of the standard model. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 893, pp. 158-186., Registrované v: WOS

1938. [1.1] SAJADI, Seyed Shams - BOROUN, G. R. Phenomenological study of the $\gamma\gamma \rightarrow W^+W^-$ scattering in the minimal noncommutative standard model. In EPL. ISSN 0295-5075, 2017, vol. 119, no. 3, art. no. 31002., Registrované v: WOS

1939. [1.1] SALVIO, Alberto - MAZUMDAR, Anupam. Classical and quantum initial conditions for Higgs inflation. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 750, pp. 194-200., Registrované v: WOS

1940. [1.1] SALVIO, Alberto. A simple motivated completion of the standard model below the Planck scale: Axions and right-handed neutrinos. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 743, pp. 428-434., Registrované v: WOS

1941. [1.1] SALVIO, A. - SANNINO, F. Editorial: From the Fermi Scale to Cosmology. In FRONTIERS IN ASTRONOMY AND SPACE SCIENCES. ISSN 2296-987X, SEP 18 2019, vol. 6., Registrované v: WOS

1942. [1.1] SAMANTA, Abhijit - MANDAL, Sujoy Kumar - MANNA, Himadri. Are supersymmetric models with minimal particle content under tension for testing at LHC? In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 763, pp. 234-237., Registrované v: WOS

1943. [1.1] SANG, Wen-Long - CHEN, Wen - FENG, Feng - JIA, Yu - SUN, Qing-Feng. Next-to-leading-order QCD corrections to $e^+e^- \rightarrow H$ plus γ . In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 775, pp. 152-159., Registrované v: WOS

1944. [1.1] SANCHEZ-VELEZ, R. - TAVARES-VELASCO, G. Decays $A \rightarrow Z \gamma \gamma$ and $\phi \rightarrow Z \gamma \gamma$ ($\phi = h, H$) in two-Higgs

doublet models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095038., Registrované v: WOS

1945. [1.1] SANCHEZ-VELEZ, R. - TAVARES-VELASCO, G. Decay $\phi \rightarrow Z \gamma \gamma$ ($\phi = h, H, A$) in the minimal supersymmetric standard model. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 19 2019, vol. 99, no. 5., Registrované v: WOS

1946. [1.1] SANTOS, A. F. - KHANNA, Faqir C. Casimir effect for the Higgs field at finite temperature. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 22, art. no. 1750132., Registrované v: WOS

1947. [1.1] SANYAL, P. Limits on the charged Higgs parameters in the two Higgs doublet model using CMS $\sqrt{s}=13$ TeV results. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS

1948. [1.1] SATO, Joe - SHIMOMURA, Takashi - YAMANAKA, Masato. A solution to lithium problem by long-lived stau. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2017, vol. 26, no. 8, art. no. 1741005., Registrované v: WOS

1949. [1.1] SAXENA, Pooja. Higgs decay to fermions (CMS). In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 07016., Registrované v: WOS

1950. [1.1] SELVAGANAPATHY, J. - DAS, Prasanta Kumar - KONAR, Partha. Drell-Yan process as an avenue to test a noncommutative standard model at the Large Hadron Collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 116003., Registrované v: WOS

1951. [1.1] SENAHA, E. Radiative corrections to triple Higgs coupling and electroweak phase transition: Beyond one-loop analysis. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 24 2019, vol. 100, no. 5., Registrované v: WOS

1952. [1.1] SENNETT, Noah - HINDERER, Tanja - STEINHOFF, Jan - BUONANNO, Alessandra - OSSOKINE, Serguei. Distinguishing boson stars from black holes and neutron stars from tidal interactions in inspiraling binary systems. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 2, art. no. 024002., Registrované v: WOS

1953. [1.1] SENOL, A. - KOKSAL, M. - INAN, S. C. Probe of the Anomalous Quartic Couplings with Beam Polarization at the CLIC. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, art. no. 6970587., Registrované v: WOS

1954. [1.1] SENOL, A. - KOKSAL, M. Analysis of anomalous quartic $W Z \gamma$ couplings in γp collision at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 742, pp. 143-148., Registrované v: WOS

1955. [1.1] SEN, Ashoke. Equivalence of two contour prescriptions in superstring perturbation theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, art. no. 025., Registrované v: WOS

1956. [1.1] SEPTIAN, N. - SUMOWIDAGDO, S. - PRIMULANDO, R. - MART, T. Performance of Top Kinematic Fit Algorithm on $t(\bar{t})$ Events. In CONFERENCE ON THEORETICAL PHYSICS AND NONLINEAR PHENOMENA (CTPNP) 2019: EXCURSION FROM VACUUM TO CONDENSED MATTER. ISSN 0094-243X, 2020, vol. 2234., Registrované v: WOS

1957. [1.1] SERCE, Hasan. Implications of Mixed Axion-Neutralino Dark Matter. In WORKSHOP ON NEUTRINO PHYSICS AND UNIFICATION, NEAR DETECTOR PHYSICS AND DARK MATTER (CETUP* 2016). ISSN 0094-243X, 2017, vol. 1900, art. no. 040007., Registrované v: WOS
1958. [1.1] SETO, Osamu. Large invisible decay of a Higgs boson to neutrinos. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 073005., Registrované v: WOS
1959. [1.1] SHAFI, Qaisar - TANYILDIZI, Suekrue Hanif - UN, Cem Salih. Neutralino dark matter and other LHC predictions from quasi Yukawa unification. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 900, pp. 400-411., Registrované v: WOS
1960. [1.1] SHANG, Liangliang - HE, Yangle - LIAN, Jingwei - PAN, Yusi. Interpretations of galactic center gamma-ray excess confronting the PandaX-II constraints on dark matter-neutron spin-dependent scatterings in the NMSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 5, art. no. 390., Registrované v: WOS
1961. [1.1] SHAPOSHNIKOV, Mikhail. The Higgs boson and cosmology. In PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-503X, 2015, vol. 373, no. 2032, art. no. 20140038., Registrované v: WOS
1962. [1.1] SHAPOSHNIKOV, M. - SHIMADA, K. Asymptotic scale invariance and its consequences. In PHYSICAL REVIEW D. ISSN 1550-7998, MAY 21 2019, vol. 99, no. 10., Registrované v: WOS
1963. [1.1] SHAW, Avirup. STATUS OF EXCLUSION LIMITS OF THE KK-PARITY NON-CONSERVING RESONANCE PRODUCTION WITH UPDATED 13 TeV LHC. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2018, vol. 49, no. 7, pp. 1421-1443., Registrované v: WOS
1964. [1.1] SHEKHOVTSOVA, O. Study of predominant hadronic modes of the tau-lepton using a Monte Carlo generator TAUOLA. In JETP LETTERS. ISSN 0021-3640, 2015, vol. 102, no. 6, pp. 329-334., Registrované v: WOS
1965. [1.1] SHEN, Jie-Fen - BI, Yan-Ping - YU, Yi - ZHANG, Yan-Ju. Production of singly and doubly charged Higgs bosons from Higgs triplet model at future linear colliders. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 16, art. no. 1550096., Registrované v: WOS
1966. [1.1] SHEN, Jie-Fen - LI, Zhen-Xin. Doubly charged Higgs bosons pair production through WW fusion at high-energy $e^{+}e^{-}$ linear colliders. In EPL. ISSN 0295-5075, 2015, vol. 111, no. 3, art. no. 31001., Registrované v: WOS
1967. [1.1] SHIMIZU, Yasuhiro - YIN, Wen. Natural split mechanism for sfermions: $N=2$ supersymmetry in phenomenology. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 754, pp. 118-124., Registrované v: WOS
1968. [1.1] SHIRASAKI, Masato - MACIAS, Oscar - HORIUCHI, Shunsaku - SHIRAI, Satoshi - YOSHIDA, Naoki. Cosmological constraints on dark matter annihilation and decay: Cross-correlation analysis of the extragalactic gamma-ray background and cosmic shear. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 6, art. no. 063522., Registrované v: WOS
1969. [1.1] SHI, L.S. - ZHANG, C. Probing the top quark flavor-changing couplings at CEPC * * Supported by CNRS via the LIA FCPPL, by the CEPC theory study grant, and by IHEP (Y7515540U1). In CHINESE PHYSICS C.

ISSN 1674-1137, NOV 2019, vol. 43, no. 11., Registrované v: WOS

1970. [1.1] SHUVE, Brian - TAMARIT, Carlos. Phase transitions and baryogenesis from decays. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 10, art. no. 122., Registrované v: WOS

1971. [1.1] SHU, Jing - YEPES, Juan. Left-Right Non-Linear Dynamical Higgs. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2016, vol. 66, no. 6, pp. 643-662., Registrované v: WOS

1972. [1.1] SCHAEZEL, Sebastian. Boosted top quarks and jet structure. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 415., Registrované v: WOS

1973. [1.1] SCHMITT, Andreas. Superfluidity in Quantum Field Theory. In INTRODUCTION TO SUPERFLUIDITY: FIELD-THEORETICAL APPROACH AND APPLICATIONS. ISSN 0075-8450, 2015, vol. 888, pp. 33-52., Registrované v: WOS

1974. [1.1] SCHMITZ, Kai - YANAGIDA, Tsutomu T. Dynamical supersymmetry breaking and late-time R symmetry breaking as the origin of cosmic inflation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 074021., Registrované v: WOS

1975. [1.1] SCHOEFECK, Robert. Recent results from CMS. In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, art. no. 03032., Registrované v: WOS

1976. [1.1] SCHRAMM, Steven. Data analysis meets quantum physics. In NATURE. ISSN 0028-0836, 2017, vol. 550, no. 7676, pp. 339-340., Registrované v: WOS

1977. [1.1] SCHUH, P. Vacuum stability of asymptotically safe two Higgs doublet models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS

1978. [1.1] SICKING, Eva. Higgs Physics at CLIC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 801-806., Registrované v: WOS

1979. [1.1] SIGL, G. Astroparticle Physics: Theory and Phenomenology. In ASTROPARTICLE PHYSICS: THEORY AND PHENOMENOLOGY. ISSN 1879-6923, 2017, pp. 1-861., Registrované v: WOS

1980. [1.1] SIM, Jonghyun - LEE, Tae Hoon. Scalar-tensor gravity with a non-minimally coupled Higgs field and accelerating universe. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2016, vol. 68, no. 6, pp. 725-729., Registrované v: WOS

1981. [1.1] SMARANDA, D.D. - MILLER, D.J. Scherk-Schwarz orbifolds at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS

1982. [1.1] SOKOLENKO, Anastasia - BONDARENKO, Kyrylo - BOYARSKY, Alexey - SHCHUTSKA, Lesya. Connection between diphoton and triboson channels in new physics searches. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 787, pp. 23-29., Registrované v: WOS

1983. [1.1] SOKOLOWSKA, Dorota. Dark Matter and CP-violation in the Three-Higgs Doublet Model. In FIFTH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES. ISSN 1742-6588, 2017, vol. 873, art. no. 012030., Registrované v: WOS

1984. [1.1] SOLA, Joan - GOMEZ-VALENT, Adria. The (Λ) over-barCDM cosmology: From inflation to dark energy through

running Lambda. In INTERNATIONAL JOURNAL OF MODERN PHYSICS D. ISSN 0218-2718, 2015, vol. 24, no. 4, art. no. 1541003., Registrované v: WOS

1985. [1.1] SOLA, Joan - KARIMKHANI, Elahe - KHODAM-MOHAMMADI, A. Higgs potential from extended Brans-Dicke theory and the time-evolution of the fundamental constants. In CLASSICAL AND QUANTUM GRAVITY. ISSN 0264-9381, 2017, vol. 34, no. 2, art. no. 025006., Registrované v: WOS

1986. [1.1] SOLA, Joan. Special Issue on Fundamental Constants in Physics and Their Time Variation Preface. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2015, vol. 30, no. 22, art. no. 1502004., Registrované v: WOS

1987. [1.1] SONDENHEIMER, R. Nonpolynomial Higgs interactions and vacuum stability. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 7 2019, vol. 79, no. 1., Registrované v: WOS

1988. [1.1] SONG, Jeonghyeon - YOON, Yeo Woong - JUNG, Sunghoon. Interference effect on a heavy Higgs resonance signal in the gamma gamma and ZZ channels. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055035., Registrované v: WOS

1989. [1.1] SONG, Jeonghyeon - YOON, Yeo Woong. Gigantic diphoton rate of heavy Higgs bosons in the aligned two Higgs doublet models with small tan beta. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 11, art. no. 113012., Registrované v: WOS

1990. [1.1] SONG, You - YAN, Qi-Shu - ZHAO, Xiao-Ran. Cubic and Quartic Higgs Couplings of Higgs Potentials and CP Phases. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2016, vol. 65, no. 6, pp. 753-760., Registrované v: WOS

1991. [1.1] SONMEZ, Nasuf. Charged Higgs pair production in association with the Z(0) boson at electron-positron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 015015., Registrované v: WOS

1992. [1.1] SONMEZ, Nasuf. Investigation of neutralino pair production in photon-photon collider at the ILC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 8, art. no. 085021., Registrované v: WOS

1993. [1.1] SONMEZ, Nasuf. Measuring the triple Higgs self-couplings in two Higgs doublet model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 083., Registrované v: WOS

1994. [1.1] SOUMYA, C. - MOHANTA, R. Impact of lepton flavor universality violation on CP-violation sensitivity of long-baseline neutrino oscillation experiments. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 1, art. no. 32., Registrované v: WOS

1995. [1.1] SOUTH, David M. - TURCATO, Monica. Review of searches for rare processes and physics beyond the Standard Model at HERA. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 6, art. no. 336., Registrované v: WOS

1996. [1.1] SPANNOWSKY, Michael - TAMARIT, Carlos. Sphalerons in composite and nonstandard Higgs models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015006., Registrované v: WOS

1997. [1.1] SPANNOWSKY, Michael - STOLL, Martin. Tracking new physics at the LHC and beyond. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 054033., Registrované v: WOS

1998. [1.1] SPIRA, Michael. Effective multi-Higgs couplings to gluons. In

JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 10, art. no. 026., Registrované v: WOS

1999. [1.1] SPIRA, Michael. Higgs boson production and decay at hadron colliders. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 98-159., Registrované v: WOS

2000. [1.1] STALEY, Kent W. Pragmatic warrant for frequentist statistical practice: the case of high energy physics. In SYNTHESE. ISSN 0039-7857, 2017, vol. 194, no. 2, pp. 355-376., Registrované v: WOS

2001. [1.1] STAL, O. - WEIGLEIN, G. - ZEUNE, L. Improved prediction for the mass of the W boson in the NMSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art. no. 158., Registrované v: WOS

2002. [1.1] STARKMAN, Glenn D. Large scale evolutive systems: what can they teach us? In RENDICONTI LINCEI-SCIENZE FISICHE E NATURALI. ISSN 2037-4631, 2015, vol. 26, pp. 261-264., Registrované v: WOS

2003. [1.1] STAUB, Florian - ATHRON, Peter - ELLWANGER, Ulrich - GROEBER, Ramona - MUEHLEITNER, Margarete - SLAVICH, Pietro - VOIGT, Alexander. Higgs mass predictions of public NMSSM spectrum generators. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2016, vol. 202, pp. 113-130., Registrované v: WOS

2004. [1.1] STAUB, Florian - GOODSSELL, Mark D. - MALINSKY, Michal - SCHMIDT-HOBERG, Kai. Supersymmetry beyond the NMSSM. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 121508., Registrované v: WOS

2005. [1.1] STAUB, Florian - POROD, Werner. Improved predictions for intermediate and heavy supersymmetry in the MSSM and beyond. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 5, art. no. 338., Registrované v: WOS

2006. [1.1] STAUB, Florian. A closer look at non-decoupling D-terms. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 758, pp. 200-204., Registrované v: WOS

2007. [1.1] STAUB, Florian. Exploring New Models in All Detail with SARAH. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 840780., Registrované v: WOS

2008. [1.1] STAUB, F. Theoretical constraints on supersymmetric models: Perturbative unitarity vs. vacuum stability. In PHYSICS LETTERS B. ISSN 0370-2693, FEB 10 2019, vol. 789, p. 203-209., Registrované v: WOS

2009. [1.1] STEGGEMANN, Jan. Searches for Higgs bosons decaying to lepton pairs with the CMS detector. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 877-883., Registrované v: WOS

2010. [1.1] STERMAN, George. Yang-Mills theories at high energy accelerators. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 9, art. no. 1630005., Registrované v: WOS

2011. [1.1] STOLARSKI, Daniel - VEGA-MORALES, Roberto. Probing a virtual diphoton excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055008., Registrované v: WOS

2012. [1.1] STOLL, Martin. Kinematic reconstruction of vectorlike tops from fully hadronic events. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 535-540., Registrované

v: WOS

2013. [1.1] SUAREZT, Rebeca Gonzalez. Recent CMS results in top and Higgs physics. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2017, vol. 32, no. 29, art. no. 1730026., Registrované v: WOS

2014. [1.1] SUBRAMANIAN, Kandaswamy. The origin, evolution and signatures of primordial magnetic fields. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2016, vol. 79, no. 7, art. no. 076901., Registrované v: WOS

2015. [1.1] SUEHARA, Taikan. Optimization of detectors for the ILC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 1190-1195., Registrované v: WOS

2016. [1.1] SUEMATSU, Daijiro. An extension of the SM based on effective Peccei-Quinn Symmetry. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 11, art. no. 881., Registrované v: WOS

2017. [1.1] SULTANA, Joseph. Generating time dependent conformally coupled Einstein-scalar solutions. In GENERAL RELATIVITY AND GRAVITATION. ISSN 0001-7701, 2015, vol. 47, no. 7, art. no. 73., Registrované v: WOS

2018. [1.1] SUMM, Benjamin - VOIGT, Alexander. Extending the universal one-loop effective action by regularization scheme translating operators. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 026., Registrované v: WOS

2019. [1.1] SUN, Hao - LUO, Xuan - WEI, Wei - LIU, Tong. Searching for the doubly-charged Higgs bosons in the Georgi-Machacek model at the electron-proton colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 095003., Registrované v: WOS

2020. [1.1] SUN, Hao - LUO, Xuan - LI, Jing. Exploring the anomalous top-Higgs FCNC couplings at the electron proton colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 281., Registrované v: WOS

2021. [1.1] SUN, Peng - ISAACSON, Joshua - YUAN, C.P. - YUAN, Feng. Resummation of high order corrections in Higgs boson plus jet production at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 769, pp. 57-61., Registrované v: WOS

2022. [1.1] SUN, Peng - YUAN, C.P. - YUAN, Feng. Kinematical Correlations for Higgs Boson Plus High P-T Jet Production at Hadron Colliders. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 20, art. no. 202001., Registrované v: WOS

2023. [1.1] SUN, Peng - YUAN, C.P. - YUAN, Feng. Long range correlation in Higgs boson plus two jets production at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 762, pp. 47-51., Registrované v: WOS

2024. [1.1] SUN, Qing-Feng - FENG, Feng - JIA, Yu - SANG, Wen-Long. Mixed electroweak-QCD corrections to $e^{(+)}e^{(-)} \rightarrow HZ$ at Higgs factories. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 051301., Registrované v: WOS

2025. [1.1] SUN, Qing-Feng - WANG, An-Min. Next-to-leading order QCD corrections to the decay of Higgs to vector meson and Z boson. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 3, art. no. 033105., Registrované v: WOS

2026. [1.1] SUN, Z.Y. - CHEN, L.W. - CAI, H.J. - LI, L. - YOU, Z.Y. -

- YUAN, Y. - WANG, Y. - XIE, J.J. - FENG, Z.Q. - WANG, S.T. Producing high intensity muon, antiproton beams and related physical researches in the HIAF accelerators. In SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA. ISSN 1674-7275, 2020, vol. 50, no. 11., Registrované v: WOS
2027. [1.1] SU, Wei - YANG, Jin Min. SUSY effects in R-b: Revisited under current experimental constraints. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 757, pp. 136-141., Registrované v: WOS
2028. [1.1] SWAIN, Abhaya Kumar - KONAR, Partha. Constrained root(S)over-cap(min) and reconstructing with semi-invisible production at hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 3, art. no. 142., Registrované v: WOS
2029. [1.1] SWIEZEWSKA, Bogumila. Inert scalars and vacuum metastability around the electroweak scale. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 7, art. no. 118., Registrované v: WOS
2030. [1.1] SZABO, Zoltan Imre. Ordinary matter, dark matter, and dark energy on normal Zeeman space-times. In XXIV INTERNATIONAL CONFERENCE ON INTEGRABLE SYSTEMS AND QUANTUM SYMMETRIES (ISQS-24). ISSN 1742-6588, 2017, vol. 804, art. no. 012041., Registrované v: WOS
2031. [1.1] T HOOFT, Gerard. Imagining the future, or how the Standard Model may survive the attacks. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 16, art. no. 1630022., Registrované v: WOS
2032. [1.1] TAGLIAVINI, Agnese - HUMMEL, Stefan - WENTZELL, Nils - ANDERGASSEN, Sabine - TOSCHI, Alessandro - ROHRINGER, Georg. Efficient Bethe-Salpeter equation treatment in dynamical mean-field theory. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 97, no. 23, art. no. 235140., Registrované v: WOS
2033. [1.1] TAIT, Tim M. P. - YU, Zhao-Huan. Triplet-quadruplet dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 204., Registrované v: WOS
2034. [1.1] TAKAHASHI, Fuminobu - TAKAHASHI, Ryo. Renormalization group improved Higgs inflation with a running kinetic term. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 760, pp. 329-334., Registrované v: WOS
2035. [1.1] TAKEUCHI, Shingo. Unruh effect in a real scalar field with the Higgs potential on a dynamically variable background space-time. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 404., Registrované v: WOS
2036. [1.1] TANCREDI, Lorenzo. SIMPLIFYING SYSTEMS OF DIFFERENTIAL EQUATIONS. THE CASE OF THE SUNRISE GRAPH. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2015, vol. 46, no. 11, pp. 2125-2129., Registrované v: WOS
2037. [1.1] TANG, Yi-Lei - ZHANG, Chen - ZHU, Shou-hua. Invisible Higgs decay at the Large Hadron-Electron Collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 011702., Registrované v: WOS
2038. [1.1] TANG, Yi-Lei - ZHU, Shou-hua. NMSSM extended with vectorlike particles and the diphoton excess at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035010., Registrované v: WOS

2039. [1.1] TANNENBAUM, M. J. How hadron collider experiments contributed to the development of QCD: from hard-scattering to the perfect liquid. In EUROPEAN PHYSICAL JOURNAL H. ISSN 2102-6459, 2018, vol. 43, no. 2, pp. 119-183., Registrované v: WOS
2040. [1.1] TARASOV, O.V. Using Functional Equations to Calculate Feynman Integrals. In THEORETICAL AND MATHEMATICAL PHYSICS. ISSN 0040-5779, AUG 2019, vol. 200, no. 2, p. 1205-1221., Registrované v: WOS
2041. [1.1] TAWFIK, A. - DIAB, A. - ABOU EL DAHAB, E. Perturbative instability of inflationary cosmology from quantum potentials. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, 2017, vol. 91, no. 9, pp. 1135-1143., Registrované v: WOS
2042. [1.1] THOMPSON, Rodger I. Fundamental constant observational bounds on the variability of the QCD scale. In MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. ISSN 0035-8711, 2017, vol. 467, no. 4, pp. 4558-4564., Registrované v: WOS
2043. [1.1] THUC, T. T. - HUE, L. T. - LONG, H. N. - NGUYEN, T. Phong. Lepton flavor violating decay of SM-like Higgs boson in a radiative neutrino mass model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115026., Registrované v: WOS
2044. [1.1] TIAN, Junping - FUJII, Keisuke. Measurement of Higgs boson couplings at the International Linear Collider. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 826-833., Registrované v: WOS
2045. [1.1] TOBE, Kazuhiro. Michel parameters for tau decays $\tau \rightarrow l \nu(l \nu)_{\text{over-bar}}$ in a general two Higgs doublet model with mu tau flavor violation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 10, art. no. 114., Registrované v: WOS
2046. [1.1] TOBIOKA, Kohsaku - KITANO, Ryuichiro - MURAYAMA, Hitoshi. Enhanced Higgs mass in Compact Supersymmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 025., Registrované v: WOS
2047. [1.1] TONELLI, Guido. Perspectives in Particle Physics after the Discovery of the Higgs Boson. In EUROPEAN REVIEW. ISSN 1062-7987, 2018, vol. 26, no. 1, pp. 100-109., Registrované v: WOS
2048. [1.1] TORASSA, Ezio. The Standard Model and Higgs physics. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 69-106., Registrované v: WOS
2049. [1.1] TORRENTE-LUJAN, E. The Higgs mass coincidence problem. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 2451-2453., Registrované v: WOS
2050. [1.1] TORRENTE-LUJAN, E. The Higgs and top mass coincidence problem. In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, art. no. 05015., Registrované v: WOS
2051. [1.1] TOUBOUL, P. - METRIS, G. - RODRIGUES, M. - ANDRE, Y. - BAGHI, Q. - BERGE, J. - BOULANGER, D. - BREMER, S. - CHHUN, R. - CHRISTOPHE, B. - CIPOLLA, V. - DAMOUR, T. - DANTO, P. - DITTUS, H. - FAYET, P. - FOULON, B. - GUIDOTTI, P.Y. - HARDY, E. - HUYNH, P.A. - LAMMERZAHN, C. - LEBAT, V. - LIORZOU, F. - LIST, M. - PANET, I. -

PIRES, S. - POUILLOUX, B. - PRIEUR, P. - REYNAUD, S. - RIEVERS, B. - ROBERT, A. - SELIG, H. - SERRON, L. - SUMNER, T. - VISSER, P. Space test of the equivalence principle: first results of the MICROSCOPE mission. In CLASSICAL AND QUANTUM GRAVITY. ISSN 0264-9381, OCT 18 2019, vol. 36, no. 22., Registrované v: WOS

2052. [1.1] TRAYKOVA, Dina - BRADEN, Jonathan - PEIRIS, Hiranya V. Accretion of a symmetry-breaking scalar field by a Schwarzschild black hole. In PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-503X, 2018, vol. 376, no. 2114, art. no. 20170122., Registrované v: WOS

2053. [1.1] TRINHAMMER, Ole L. - BOHR, Henrik G. - JENSEN, Mogens Stibius. The Higgs mass derived from the U(3) Lie group. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 14, art. no. 1550078., Registrované v: WOS

2054. [1.1] TRONCONI, Alessandro. Asymptotically safe non-minimal inflation. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2017, no. 7, art. no. 015., Registrované v: WOS

2055. [1.1] TSAI, Yuhsin - WANG, Lian-Tao - ZHAO, Yue. Dark matter annihilation decay at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 035024., Registrované v: WOS

2056. [1.1] TSUJI, Naoto - AOKI, Hideo. Theory of Anderson pseudospin resonance with Higgs mode in superconductors. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 92, no. 6, art. no. 064508., Registrované v: WOS

2057. [1.1] TUCHMING, Boris. Long-sought decay of the Higgs boson seen. In NATURE. ISSN 0028-0836, 2018, vol. 564, no. 7734, pp. 46-47., Registrované v: WOS

2058. [1.1] TUNING, Niels. A machine of superlatives. In NATURE PHYSICS. ISSN 1745-2473, 2018, vol. 14, no. 12, pp. 1151-1153., Registrované v: WOS

2059. [1.1] TUOMINEN, K. Dynamical origin of the electroweak scale and a 125 GeV boson. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 35, art. no. 1747008., Registrované v: WOS

2060. [1.1] UNNIKRIISHNAN, C. S. - GILLIES, George T. Is the Higgs mechanism true to the equivalence principle? In INTERNATIONAL JOURNAL OF MODERN PHYSICS D. ISSN 0218-2718, 2015, vol. 24, no. 12, art. no. 1544009., Registrované v: WOS

2061. [1.1] UN, Cem Salih - OZDAL, Ozer. Mass spectrum and Higgs profile in B L symmetric SSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055024., Registrované v: WOS

2062. [1.1] UN, Cem Salih - TANYILDIZI, Sukru Hanif - KERMAN, Saime - SOLMAZ, Levent. Generalized soft breaking leverage for the MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 10, art. no. 105033., Registrované v: WOS

2063. [1.1] UTTAYARAT, Patipan. Supersymmetrizing a Quantum Mechanical System. In SIAM PHYSICS CONGRESS 2017 (SPC2017). ISSN 1742-6588, 2017, vol. 901, art. no. 012052., Registrované v: WOS

2064. [1.1] VALENCIA, German. Colour octet extension of 2HDM. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 20-21, art. no. 1630033., Registrované v: WOS

2065. [1.1] VAN BEVEREN, Eef - COITO, Susana - RUPP, George. On the existence of a superlight scalar boson. In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, art. no. 02007., Registrované v: WOS
2066. [1.1] VAN DE BRUCK, Carsten - LONGDEN, Chris. Higgs inflation with a Gauss-Bonnet term in the Jordan frame. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 6, art. no. 063519., Registrované v: WOS
2067. [1.1] VAN HAEVERMAET, H. The study of QCD in high pile-up environments: Higgs boson and Drell-Yan production. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. 10004., Registrované v: WOS
2068. [1.1] VAN TONDER, Raynette. Studies of the b-tagged control region for same sign (WW +/-)-W-/- production in proton-proton collision data recorded by the ATLAS detector. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP 2017. ISSN 1742-6588, 2017, vol. 889, art. no. 012013., Registrované v: WOS
2069. [1.1] VARZIELAS, Ivo de Medeiros - KING, Stephen F. - LUHN, Christoph - NEDER, Thomas. Spontaneous CP violation in multi-Higgs potentials with triplets of $\Delta(3n(2))$ and $\Delta(6n(2))$. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 11, art. no. 136., Registrované v: WOS
2070. [1.1] VARZIELAS, Ivo de Medeiros - FISCHER, Oliver - MAURER, Vinzenz. $A(4)$ symmetry at colliders and in the universe. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 8, art. no. 080., Registrované v: WOS
2071. [1.1] VARZIELAS, Ivo de Medeiros - KING, Stephen F. - LUHN, Christoph - NEDER, Thomas. CP-odd invariants for multi-Higgs models: Applications with discrete symmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 056007., Registrované v: WOS
2072. [1.1] VARZIELAS, I.D. - IVANOV, I.P. Recognizing symmetries in a 3HDM in a basis-independent way. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 8 2019, vol. 100, no. 1., Registrované v: WOS
2073. [1.1] VEELKEN, Christian. Search for MSSM and NMSSM Higgs bosons with the CMS detector. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 753-+., Registrované v: WOS
2074. [1.1] VEGA, Javier Pardo - VILLADORO, Giovanni. Higgs mass determination in supersymmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 7, art. no. 159., Registrované v: WOS
2075. [1.1] VEGA, Roberto - VEGA-MORALES, Roberto - XIE, Keping. Light (and darkness) from a light hidden Higgs. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 137., Registrované v: WOS
2076. [1.1] VEGA, Roberto - VEGA-MORALES, Roberto - XIE, Keping. The supersymmetric Georgi-Machacek model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 168., Registrované v: WOS
2077. [1.1] VESCOVI, Edoardo. Perturbative and Non-perturbative Approaches to String Sigma-Models in AdS/CFT Introduction. In

PERTURBATIVE AND NON-PERTURBATIVE APPROACHES TO STRING SIGMA-MODELS IN ADS/CFT. ISSN 2190-5053, 2017, pp. 1-32.,

Registrované v: WOS

2078. [1.1] VICENTE, A. FlavorKit: a brief overview. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 1423-1428., Registrované v: WOS

2079. [1.1] VICENTE, A. Lepton Flavor Violation beyond the MSSM. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 686572., Registrované v: WOS

2080. [1.1] VIEN, V. V. - CARCAMO HERNANDEZ, A. E. - LONG, H. N. The Delta(27) flavor 3-3-1 model with neutral leptons. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 913, pp. 792-814., Registrované v: WOS

2081. [1.1] VIEN, V. V. - LONG, H. N. Quark masses and mixings in the 3-3-1 model with neutral leptons based on D (4) flavor symmetry. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2015, vol. 66, no. 12, pp. 1809-1815., Registrované v: WOS

2082. [1.1] VIEU, Thibault - MORAIS, Antonio P. - PASECHNIK, Roman. Electroweak phase transitions in multi-Higgs models: the case of Trinification-inspired THDSM. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 7, art. no. 014., Registrované v: WOS

2083. [1.1] VILIANI, L. Measurement of the transverse momentum spectrum of the Higgs boson decaying into WW with the CMS experiment. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2016, vol. 39, no. 4, art. no. 353., Registrované v: WOS

2084. [1.1] VIRDEE, Tejinder Singh. The long journey to the Higgs boson and beyond at the LHC: Emphasis on CMS. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 32, art. no. 1630058., Registrované v: WOS

2085. [1.1] VIRDEE, T. S. Beyond the standard model of particle physics. In PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-503X, 2016, vol. 374, no. 2075, art. no. 20150259., Registrované v: WOS

2086. [1.1] VOLCHANSKIY, N. - KUKSA, V. - BEYLIN, V. Models of hypercolor based on symplectic gauge group with three heavy vectorlike hyperquarks. In INTERNATIONAL JOURNAL OF MODERN PHYSICS D. ISSN 0218-2718, OCT 2019, vol. 28, no. 13, SI., Registrované v: WOS

2087. [1.1] VON BUDDENBROCK, Stefan. Exploring LHC Run 1 and 2 data using the Madala hypothesis. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC. ISSN 1742-6588, 2017, vol. 878, art. no. 012030., Registrované v: WOS

2088. [1.1] VON BUDDENBROCK, Stefan. Hypothesising Dark Matter Models in pp Collisions. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP (HEPPW2015). ISSN 1742-6588, 2015, vol. 645, art. no. UNSP 012017., Registrované v: WOS

2089. [1.1] VON GERSDORFF, Gero - PONTON, Eduardo - ROSENFELD, Rogerio. The dynamical composite Higgs. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 119.,

Registrované v: WOS

2090. [1.1] WANG YUMEI - ZHU SHIPING. Research on the Audit Early Warning Mechanism under Full Coverage. In AGRO FOOD INDUSTRY HI-TECH. ISSN 1722-6996, 2017, vol. 28, no. 1, pp. 1494-1497., Registrované v: WOS

2091. [1.1] WANG, Anzhong. Horava gravity at a Lifshitz point: A progress report. In INTERNATIONAL JOURNAL OF MODERN PHYSICS D. ISSN 0218-2718, 2017, vol. 26, no. 7, art. no. 1730014., Registrované v: WOS

2092. [1.1] WANG, Lei - HAN, Xiao-Fang. A light pseudoscalar of 2HDM confronted with muon g-2 and experimental constraints. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 5, art. no. 039., Registrované v: WOS

2093. [1.1] WANG, Lei - ZHANG, Feng - HAN, Xiao-Fang. Two-Higgs-doublet model of type II confronted with the LHC run I and run II data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115014., Registrované v: WOS

2094. [1.1] WANG, Qingdi - ZHU, Zhen - UNRUH, William G. How the huge energy of quantum vacuum gravitates to drive the slow accelerating expansion of the Universe. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 10, art. no. 103504., Registrované v: WOS

2095. [1.1] WANG, Weijian - HAN, Zhi-Long. Radiative linear seesaw model, dark matter, and U(1)(B-L). In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 095001., Registrované v: WOS

2096. [1.1] WANG, Weijian - HAN, Zhi-Long. Global U(1)(L) symmetry breaking in a neutrinophilic 2HDM: From LHC signatures to x-ray lines. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 053015., Registrované v: WOS

2097. [1.1] WANG, Zhi-Wei - SAGE, Frederick S. - STEELE, T. G. - MANN, R. B. Asymptotic safety in the conformal hidden sector? In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 9, art. no. 095002., Registrované v: WOS

2098. [1.1] WANG, Zhi-Wei - STEELE, T. G. - HANIF, T. - MANN, R. B. Conformal complex singlet extension of the Standard Model: scenario for dark matter and a second Higgs boson. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 8, art. no. 065., Registrované v: WOS

2099. [1.1] WARD, B. F. L. New approach to hard corrections in precision QCD for LHC and FCC physics. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 22, art. no. 1650126., Registrované v: WOS

2100. [1.1] WARD, B. F. L. Prediction for the cosmological constant in resummed quantum gravity and constraints on susy GUTs. In INTERNATIONAL JOURNAL OF MODERN PHYSICS D. ISSN 0218-2718, 2015, vol. 24, no. 3, art. no. 1530009., Registrované v: WOS

2101. [1.1] WARD, B. F. L. Running of the cosmological constant and estimate of its value in quantum general relativity. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2015, vol. 30, no. 22, art. no. 1540030., Registrované v: WOS

2102. [1.1] WARD, B. F. L. - JADACH, S. - WAS, Z. CEEX EW Corrections for $f\bar{f} \rightarrow f'\bar{f}'$ at LHC, Muon Colliders and FCC-ee as Realized in KK MC 4.22. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 2816-2819., Registrované

v: WOS

2103. [1.1] WEIDINGER, Simon Adrian - ZWERGER, Wilhelm. Higgs mode and magnon interactions in 2D quantum antiferromagnets from Raman scattering. In EUROPEAN PHYSICAL JOURNAL B. ISSN 1434-6028, 2015, vol. 88, no. 9, art. no. 238., Registrované v: WOS
2104. [1.1] WELLS, James D. Beyond the hypothesis: Theory's role in the genesis, opposition, and pursuit of the Higgs boson. In STUDIES IN HISTORY AND PHILOSOPHY OF MODERN PHYSICS. ISSN 1355-2198, 2018, vol. 62, pp. 36-44., Registrované v: WOS
2105. [1.1] WELLS, James D. Higgs naturalness and the scalar boson proliferation instability problem. In SYNTHESIS. ISSN 0039-7857, 2017, vol. 194, no. 2, pp. 477-490., Registrované v: WOS
2106. [1.1] WELLS, James D. The utility of Naturalness, and how its application to Quantum Electrodynamics envisages the Standard Model and Higgs boson. In STUDIES IN HISTORY AND PHILOSOPHY OF MODERN PHYSICS. ISSN 1355-2198, 2015, vol. 49, pp. 102-108., Registrované v: WOS
2107. [1.1] WEN, Liu - WEN-GAN, Ma - LEI, Guo - LIANG-WEN, Chen - CHANG, Chen - REN-YOU, Zhang. T-odd quark pair production and decay at gamma gamma collider in the littlest Higgs model with T-parity in next-to-leading order QCD. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2015, vol. 30, no. 25, art. no. 1550125., Registrované v: WOS
2108. [1.1] WEN, Yiwen - QU, Huilin - YANG, Daneng - YAN, Qi-shu - LI, Qiang - MAO, Yajun. Probing triple-W production and anomalous WWW coupling at the CERN LHC and future O (100) TeV proton-proton collider. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 3, art. no. 025., Registrované v: WOS
2109. [1.1] WEST, J.R. Millicharged scalar fields, massive photons and the breaking of $SU(3)_c \times U(1)_{EM}$. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 30 2019, vol. 99, no. 7., Registrované v: WOS
2110. [1.1] WIELGOSZ, Maciej - MERTIK, Matej - SKOCZEN, Andrzej - DE MATTEIS, Ernesto. The model of an anomaly detector for HiLumi LHC magnets based on Recurrent Neural Networks and adaptive quantization. In ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE. ISSN 0952-1976, 2018, vol. 74, pp. 166-185., Registrované v: WOS
2111. [1.1] WIELGOSZ, Maciej - SKOCZEN, Andrzej - MERTIK, Matej. Using LSTM recurrent neural networks for monitoring the LHC superconducting magnets. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2017, vol. 867, pp. 40-50., Registrované v: WOS
2112. [1.1] WIESEMANN, Marius. A BRIEF THEORY OVERVIEW OF HIGGS PHYSICS AT THE LHC. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2015, vol. 46, no. 11, pp. 2079-2088., Registrované v: WOS
2113. [1.1] WUETHRICH, Adrian. Discovering and "rediscovering" the W boson. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2017, vol. 529, no. 5, art. no. 1700101., Registrované v: WOS
2114. [1.1] WU, Hongyan - ZHENG, Sibao. Scalar dark matter: real vs complex. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 142., Registrované v: WOS
2115. [1.1] WU, Lei - YANG, Bingfang - ZHANG, Mengchao. Little Higgs

- dark matter after PandaX-II/LUX-2016 and LHC Run-1. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 12, art. no. 152., Registrované v: WOS
2116. [1.1] WU, Peng - WANG, Wenli - LI, Ying - HOU, Xilin. Divergent evolutionary patterns of the MAPK cascade genes in Brassica rapa and plant phylogenetics. In HORTICULTURE RESEARCH. ISSN 2052-7276, 2017, vol. 4, art. no. UNSP 17079., Registrované v: WOS
2117. [1.1] WU, Peng - WANG, Wenli - DUAN, Weike - LI, Ying - HOU, Xilin. Comprehensive Analysis of the CDPK-SnRK Superfamily Genes in Chinese Cabbage and Its Evolutionary Implications in Plants. In FRONTIERS IN PLANT SCIENCE. ISSN 1664-462X, 2017, vol. 8, art. no. 162., Registrované v: WOS
2118. [1.1] WU, Zhe - XIA, Dongmei - WANG, Zhigang - ZHAO, Hang - HU, Peng - HU, Wei - HU, Tao - JIANG, Jiechen - YU, Boxiang. Studies of detector cells for a hadronic calorimeter based on plastic scintillators. In RADIATION DETECTION TECHNOLOGY AND METHODS. ISSN 2509-9930, 2018, vol. 2, no. 1, art. no. 22., Registrované v: WOS
2119. [1.1] XIANG, Qian-Fei - BI, Xiao-Jun - YAN, Qi-Shu - YIN, Peng-Fei - YU, Zhao-Huan. Measuring masses in semi-invisible final states at electron-positron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075037., Registrované v: WOS
2120. [1.1] XIANG, Qian-Fei - BI, Xiao-Jun - YIN, Peng-Fei - YU, Zhao-Huan. Exploring fermionic dark matter via Higgs boson precision measurements at the Circular Electron Positron Collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055004., Registrované v: WOS
2121. [1.1] XIANG, Qian-Fei - BI, Xiao-Jun - YIN, Peng-Fei - YU, Zhao-Huan. Searching for singlino-Higgsino dark matter in the NMSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055031., Registrované v: WOS
2122. [1.1] XIAO, Bo-Wen - YUAN, Feng. BFKL and Sudakov resummation in higgs boson plus jet production with large rapidity separation. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 782, pp. 28-33., Registrované v: WOS
2123. [1.1] XIA, Li-Gang. A mass reconstruction technique for a heavy resonance decaying to tau(+)tau(-). In CHINESE PHYSICS C. ISSN 1674-1137, 2016, vol. 40, no. 11, art. no. 113003., Registrované v: WOS
2124. [1.1] XUE, She-Sheng. An effective strong-coupling theory of composite particles in UV-domain. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 5, art. no. 146., Registrované v: WOS
2125. [1.1] XUE, She-Sheng. Hierarchy spectrum of SM fermions: from top quark to electron neutrino. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 11, art. no. 072., Registrované v: WOS
2126. [1.1] XUE, She-Sheng. Resonant and nonresonant new phenomena of four-fermion operators for experimental searches. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 744, pp. 88-94., Registrované v: WOS
2127. [1.1] XUE, She-Sheng. Vectorlike W-+/-boson coupling at TeV and third family fermion masses. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 073001., Registrované v: WOS
2128. [1.1] XU, Hong-ge - LI, Di-kai - CHEN, Gang - LI, Liang. Study on

space-time structure of Higgs jet with the HBT correlation method in $e^{(+)}e^{(-)}$ collision at root $s=250$ GeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 10, art. no. 202., Registrované v: WOS

2129. [1.1] XU, Hong-ge - LI, Di-kai - CHEN, Gang - LI, Liang. Study on space-time structure of Higgs jet with the HBT correlation method in $e^{(+)}e^{(-)}$ collision at root $s=250$ GeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 10, art. no. 202, Registrované v: WOS

2130. [1.1] XU, Xun-Jie. Minima of the scalar potential in the type II seesaw model: From local to global. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 115025., Registrované v: WOS

2131. [1.1] YAMAGUCHI, Masahiro - YIN, Wen. A novel approach to finely tuned supersymmetric standard models: The case of the non-universal Higgs mass model. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2018, no. 2, art. no. 023B06., Registrované v: WOS

2132. [1.1] YAMANAKA, N. - SAHOO, B. K. - YOSHINAGA, N. - SATO, T. - ASAH, K. - DAS, B. P. Probing exotic phenomena at the interface of nuclear and particle physics with the electric dipole moments of diamagnetic atoms: A unique window to hadronic and semi-leptonic CP violation. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 3, art. no. 54., Registrované v: WOS

2133. [1.1] YANASE, K. - YOSHINAGA, N. - HIGASHIYAMA, K. - YAMANAKA, N. Electric dipole moment of Hg-199 atom from P, CP-odd electron-nucleon interaction. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 16 2019, vol. 99, no. 7., Registrované v: WOS

2134. [1.1] YANG, Bingfang - HAN, Jinzhong - LIU, Ning. Associated production of single top and Higgs at the LHC in the littlest Higgs model with T-parity. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 148., Registrované v: WOS

2135. [1.1] YANG, Bingfang - LIU, Ning. One-loop QCD correction to top pair production in the littlest Higgs model with T-parity at the LHC. In EPL. ISSN 0295-5075, 2015, vol. 111, no. 1, art. no. 11001., Registrované v: WOS

2136. [1.1] YANG, Bing-Fang - LIU, Zhi-Yong - LIU, Ning. Rare Higgs three body decay induced by top-Higgs FCNC coupling in the littlest Higgs model with T-parity. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 4, art. no. 043103., Registrované v: WOS

2137. [1.1] YANG, Masaki J. S. A symmetry breaking mechanism by parity assignment in the noncommutative Higgs model. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 36, art. no. 1747024., Registrované v: WOS

2138. [1.1] YANG, Masaki J. S. A symmetry-breaking mechanism by parity assignment in the noncommutative Higgs model. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2015, no. 4, art. no. 043B10., Registrované v: WOS

2139. [1.1] YANG, Masaki J. S. Reconstruction of the standard model with classical conformal invariance in noncommutative geometry. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2016, no. 3, art. no. 033B04., Registrované v: WOS

2140. [1.1] YANG, Xiu-Yi - NIE, Jing - GAO, Tie-Jun - YIN, Hong-Jie. $(B \rightarrow X \gamma)$ in the CP violating MSSM. In INTERNATIONAL

JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 30, art. no. 1650158., Registrované v: WOS

2141. [1.1] YAN, J. - WATANUKI, S. - FUJII, K. - ISHIKAWA, A. - JEANS, D. - STRUBE, J. - TIAN, J. - YAMAMOTO, H. Measurement of the Higgs boson mass and $e^{(+)}e^{(-)} \rightarrow ZH$ cross section using $Z \rightarrow \mu^{(+)}\mu^{(-)}$ and $Z \rightarrow e^{(+)}e^{(-)}$ at the ILC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 113002., Registrované v: WOS

2142. [1.1] YAN, Tung-Mow. Drell-Yan Mechanism and Its Implications. In UNIVERSE-TAIPEI. ISSN 2309-852X, 2016, vol. 4, no. 3, pp. 28-33., Registrované v: WOS

2143. [1.1] YEO, I. - CHO, K. Study on Geant4 Simulation Toolkit Using a Low-Energy Physics Profiling System. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, MAY 2019, vol. 74, no. 10, p. 923-929., Registrované v: WOS

2144. [1.1] YEPES, Juan - ZERWEKH, Alfonso. Top partner-resonance interplay in a composite Higgs framework. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 11, art. no. 1841008., Registrované v: WOS

2145. [1.1] YEPES, J. - ZERWEKH, A. Modelling top partner-vector resonance phenomenology. In NUCLEAR PHYSICS B. ISSN 0550-3213, APR 2019, vol. 941, p. 560-585., Registrované v: WOS

2146. [1.1] YOO, Hwi Dong. HIGHLIGHTS FROM CMS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 6, pp. 1237-1252., Registrované v: WOS

2147. [1.1] YOUNG, Bing-Lin. A survey of dark matter and related topics in cosmology. In FRONTIERS OF PHYSICS. ISSN 2095-0462, 2017, vol. 12, no. 2, art. no. 121201., Registrované v: WOS

2148. [1.1] YUE, Chong-Xing - CHU, Ji-Ping. Sterile neutrino and leptonic decays of the pseudoscalar mesons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 055012., Registrované v: WOS

2149. [1.1] YUE, Chong-Xing - PANG, Cong - GUO, Yu-Chen. Lepton flavor violating Higgs couplings and single production of the Higgs boson via $e\gamma$ collision. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 7, art. no. 075003., Registrované v: WOS

2150. [1.1] YUE, Jason Tsz Shing. Preface-The Higgs Discovery. In HIGGS PROPERTIES AT THE LHC: IMPLICATIONS FOR THE STANDARD MODEL AND FOR COSMOLOGY. ISSN 2190-5053, 2017, pp. IX-XIV., Registrované v: WOS

2151. [1.1] YUE, Jason. Enhanced $h \rightarrow \gamma\gamma$ signal at the LHC with $h \rightarrow \gamma\gamma$ decay and CP-violating top-Higgs coupling. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 744, pp. 131-136., Registrované v: WOS

2152. [1.1] YUE, Teng - XIU, Qing-Lei - WANG, Yi-Wei - DUAN, Zhe - QIN, Qing. Physics design of collimators to reduce lost particle background at the CEPC. In CHINESE PHYSICS C. ISSN 1674-1137, 2016, vol. 40, no. 11, art. no. 117001., Registrované v: WOS

2153. [1.1] YU, Felix. Phenomenology of enhanced light quark Yukawa couplings and the $W^{(\pm)}h$ charge asymmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 2, art. no. 083., Registrované v: WOS

2154. [1.1] YU, Yi - BI, Yan-Ping - SHEN, Jie-Fen. Associated production of the doubly-charged scalar pair with the Higgs boson in the Georgi-Machacek model at the ILC. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 759, pp. 513-519., Registrované v: WOS
2155. [1.1] YU, You - YUE, Chong-Xing - YANG, Shuo. Signatures of the quintuplet leptons at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 093003., Registrované v: WOS
2156. [1.1] ZADEH, S. Rostam - GOUSHEH, S. S. Contributions to the U-Y(1) Chern-Simons term and the evolution of fermionic asymmetries and hypermagnetic fields. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 056013., Registrované v: WOS
2157. [1.1] ZAGOSKIN, Taras V. - KORCHIN, Alexander Yu. The Higgs boson decay into ZZ decaying to identical fermion pairs. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 27, art. no. 1750166., Registrované v: WOS
2158. [1.1] ZAGOSKIN, Taras - KORCHIN, Alexander. Higgs boson ZZ couplings in Higgs-strahlung at the ILC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 093008., Registrované v: WOS
2159. [1.1] ZAGOSKIN, T. V. - KORCHIN, A. Yu. Decays of a neutral particle with zero spin and arbitrary CP parity into two off-mass-shell Z bosons. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2016, vol. 122, no. 4, pp. 663-678., Registrované v: WOS
2160. [1.1] ZAKERI, S. Peyman - NEJAD, S. Mohammad Moosavi - ZAKERI, Mohammadreza - AYAZI, S. Yaser. A minimal model for two-component FIMP dark matter: A basic search. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 7, art. no. 073101., Registrované v: WOS
2161. [1.1] ZALEWSKA, Agnieszka. ROADMAP(S) FOR PARTICLE PHYSICS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2015, vol. 46, no. 7, pp. 1439-1447., Registrované v: WOS
2162. [1.1] ZENG, Qing-Guo. Production of the quintuplet leptons in future high energy linear e(+)e(-) colliders. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 905, pp. 251-263., Registrované v: WOS
2163. [1.1] ZENG, Qing-Guo. Production of the doubly charged leptons at the ILC. In EPL. ISSN 0295-5075, 2015, vol. 111, no. 2, art. no. 21003., Registrované v: WOS
2164. [1.1] ZHANG, C. - ZHOU, S.Y. Positivity bounds on vector boson scattering at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 4 2019, vol. 100, no. 9., Registrované v: WOS
2165. [1.1] ZHANG, L. - FU, M. - ZHANG, Y. - YAN, W. - WANG, M. Investigation of CMOS pixel sensor with 0.18 μ m CMOS technology for high-precision tracking detector. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2017, vol. 12, art. no. C01011., Registrované v: WOS
2166. [1.1] ZHANG, Yan-Ju - CAO, Jun - ZHANG, Wen-Qing. Associated Production of the Charged and Neutral Higgs Bosons at the ILC within the Higgs Triplet Model. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 9, pp. 3981-3992., Registrované v: WOS
2167. [1.1] ZHANG, Yan-Ming - YANG, Bing-Fang. Single-top and Higgs associated production via the $tH(b)\overline{b}$ and $tHW(-)$ channels at the LHC in the LHT model. In EPL. ISSN 0295-5075, 2015, vol. 110, no. 2, art. no. 21001.,

Registrované v: WOS

2168. [1.1] ZHANG, Yu - LI, Wei-Hua - DUAN, Peng-Fei - SONG, Mao - LI, Gang. Electroweak radiative corrections to triple photon production at the ILC. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 758, pp. 42-46.,

Registrované v: WOS

2169. [1.1] ZHANG, Yufei - SUN, Hao - LUO, Xuan - ZHANG, WeiNing. Searching for the heavy charged custodial fiveplet Higgs boson in the Georgi-Machacek model at the International Linear Collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115022.,

Registrované v: WOS

2170. [1.1] ZHANG, Yu. NLO electroweak effects on the Higgs boson production in association with a bottom quark pair at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 113009.,

Registrované v: WOS

2171. [1.1] ZHANG, Y. WW fusion and Higgsstrahlung interplay in Higgs precision tests with the $e(-) e(+) \rightarrow \nu(\nu) \text{over-bar} h$ process. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 25 2019, vol. 99, no. 3., Registrované v: WOS

2172. [1.1] ZHAO, Hai-Long. Quantum mechanical calculation of electron spin. In OPEN PHYSICS. ISSN 2391-5471, 2017, vol. 15, no. 1, pp. 652-661.,

Registrované v: WOS

2173. [1.1] ZHAO, Sheng-Zhi - ZHANG, Bin. Detecting quark anomalous electroweak couplings at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055037., Registrované v: WOS

2174. [1.1] ZHAO, Yong. Unraveling high-energy hadronstructures with lattice QCD. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 36, art. no. 1830033., Registrované v: WOS

2175. [1.1] ZHENG, Sibó - YU, Yao. Constraints on natural supersymmetry from electroweak precision tests. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 1, art. no. 106., Registrované v: WOS

2176. [1.1] ZHENG, Sibó. Effective Higgs theories in supersymmetric grand unification. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 588., Registrované v: WOS

2177. [1.1] ZHENG, Sibó. Extended MSSM in supersymmetric SO(10) grand unification. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035028., Registrované v: WOS

2178. [1.1] ZHENG, Sibó. Perturbative lambda-supersymmetry and small kappa-phenomenology. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 195., Registrované v: WOS

2179. [1.1] ZHENG, Sibó. The early universe with high-scale supersymmetry. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 8, art. no. 388., Registrované v: WOS

2180. [1.1] ZHENG, S.B. Towards realistic SUSY grand unification for extended MSSM models. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 30 2019, vol. 99, no. 7., Registrované v: WOS

2181. [1.1] ZHENG, Zhipeng - FANG, Shuangshi - HUANG, Guangshun. tau mass and R-value measurements at BES. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 10, art. no. 1730004., Registrované v: WOS

2182. [1.1] ZHU, Bin - DING, Ran - LI, Ying. Realization of sneutrino

self-interacting dark matter in the focus point supersymmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035007.,

Registrované v: WOS

2183. [1.1] ZHU, Bin - STAUB, Florian - DING, Ran. Naturalness and a light Z' . In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035038., Registrované v: WOS

2184. [1.1] ZIDI, Mohamed Sadek. NLO QCD corrections to single vector-like top partner production in association with top quark at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 123., Registrované v: WOS

2185. [1.1] ZWANE, Nosiphiwo. Long-lived particle searches in R-parity violating MSSM. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 10, art. no. 105003., Registrované v: WOS

2186. [1.1] ZYKUNOV, V.A. Final-State Two-Loop Radiative Corrections to the Drell-Yan Process at the LHC in the Soft-Photon Approximation. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, MAR 2019, vol. 82, no. 2, p. 183-190., Registrované v: WOS

ADCA668 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Observation of a New X-b State in Radiative Transitions to Y(1S) and Y(2S) at ATLAS. In *Physical Review Letters*, 2012, vol. 108, no. 15, art. no. 152001. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.108.152001>

Ohlasy:

1. [1.1] AKBAR, Nosheen - SULTAN, M. Atif - MASUD, Bilal - AKRAM, Faisal. Higher hybrid bottomonia in an extended potential model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 074018., Registrované v: WOS

2. [1.1] ALMPANI, Konstantinia - KANTARCI, Alpdogan. Surgical Methods for the Acceleration of the Orthodontic Tooth Movement. In TOOTH MOVEMENT. ISSN 1420-2433, 2016, vol. 18, pp. 92-101., Registrované v: WOS

3. [1.1] ANWAR, M.N. - LU, Y. - ZOU, B.S. $\chi(b)(3P)$ multiplet revisited: Hyperfine mass splitting and radiative transitions. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 7 2019, vol. 99, no. 9., Registrované v: WOS

4. [1.1] BACK, John - GERSHON, Tim - HARRISON, Paul - LATHAM, Thomas - O'HANLON, Daniel - QIAN, Wenbin - SANCHEZ, Pablo del Amo - CRAIK, Daniel - ILIC, Jelena - OTALORA GOICOCHEA, Juan Martin - PUCCIO, Eugenia - COUTINHO, Rafael Silva - WHITEHEAD, Mark. LAURA(++): A Dalitz plot fitter. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 231, pp. 198-242., Registrované v: WOS

5. [1.1] BEDIAGA, I. - FREDERICO, T. - MAGALHAES, P.C. CP asymmetry from hadronic charm rescattering in $B^{+/-} \rightarrow \pi^{(-)}\pi^{(+)}\pi^{(+/-)}$ decays at the high mass region. In PHYSICS LETTERS B. ISSN 0370-2693, JUL 10 2020, vol. 806., Registrované v: WOS

6. [1.1] BEDIAGA, I. - GOBEL, C. Direct CP violation in beauty and charm hadron decays. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, SEP 2020, vol. 114., Registrované v: WOS
7. [1.1] BELYAEV, I. M. - EGORYCHEV, V. Yu. Study of P-wave quarkonium states with the LHCb detector. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2015, vol. 78, no. 8, pp. 977-983., Registrované v: WOS
8. [1.1] BIGI, Ikaros I. THE DYNAMICS OF BEAUTY & CHARM HADRONS AND TOP QUARKS IN THE ERA OF THE LHCb & BELLE II AND ATLAS & CMS MOTTO: NON-PERTURBATIVE QCD & MANY-BODY FINAL STATES. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2018, vol. 49, no. 6, pp. 1021-1041., Registrované v: WOS
9. [1.1] BURNIER, Yunnis - KACZMAREK, Olaf - ROTHKOPF, Alexander. In-medium P-wave quarkonium from the complex lattice QCD potential. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 10, art. no. 032., Registrované v: WOS
10. [1.1] CARDINALE, R. Heavy Quarkonia at LHCb. In DARK MATTER, HADRON PHYSICS AND FUSION PHYSICS. ISSN 2100-014X, 2015, vol. 96, art. no. 01005., Registrované v: WOS
11. [1.1] CARDINALE, R. Time-integrated CP violation measurements in the B mesons system at the LHCb experiment. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2016, vol. 39, no. 1, art. no. 222., Registrované v: WOS
12. [1.1] FERRETTI, J. Spectroscopy of higher bottomonia. In DARK MATTER, HADRON PHYSICS AND FUSION PHYSICS. ISSN 2100-014X, 2015, vol. 96, art. no. 01012., Registrované v: WOS
13. [1.1] FURUI, Sadataka. Cartan's Supersymmetry and Weak and Electromagnetic Interactions. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2015, vol. 56, no. 10, pp. 703-711., Registrované v: WOS
14. [1.1] GERSHON, T. - GLIGOROV, V. V. CP violation in the B system. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2017, vol. 80, no. 4, art. no. 046201., Registrované v: WOS
15. [1.1] GODFREY, Stephen - MOATS, Kenneth. Bottomonium mesons and strategies for their observation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 5, art. no. 054034., Registrované v: WOS
16. [1.1] GUO, P. - DANILKIN, I. V. - FERNANDEZ-RAMIREZ, C. - MATHIEU, V. - SZCZEPANIAK, A. P. Three-body final state interaction in $\eta \rightarrow 3\pi$ updated. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 771, pp. 497-502., Registrované v: WOS
17. [1.1] CHENG, Hai-Yang. Hadronic three-body decays of B mesons. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 1290-1295., Registrované v: WOS
18. [1.1] CHENG, H.Y. - CHUA, C.K. Branching fractions and CP violation in $B \rightarrow K+K-\pi(-)$ and $B \rightarrow \pi(+)\pi(-)\pi(-)$ decays. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 15 2020, vol. 102, no. 5., Registrované v: WOS
19. [1.1] KARLINER, Marek - ROSNER, Jonathan L. $X(3872)$, $X-b$, and the $\chi(b1)(3P)$ state. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 014014., Registrované v: WOS
20. [1.1] KARLINER, Marek. DOUBLY HEAVY EXOTIC MESONS AND BARYONS AND HOW TO LOOK FOR THEM. In ACTA PHYSICA

POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 1, pp. 117-149.,

Registrované v: WOS

21. [1.1] KHAN, R.M. - AL-JUAID, M. - AL-MUTAIRI, H. - BIBIN, G. - ALCHIN, J. - MATROUD, A. - BURROWS, V. - TAN, I. - ZAYER, S. - NAIDV, B. - KALANTAN, B. - ARABI, Y.M. Implementing the comprehensive unit-based safety program model to improve the management of mechanically ventilated patients in Saudi Arabia. In AMERICAN JOURNAL OF INFECTION CONTROL. ISSN 0196-6553, JAN 2019, vol. 47, no. 1, p. 51-58., Registrované v: WOS

22. [1.1] KRAETSCHMER, Ilse. Production of $\eta(c)$, $\chi(c)$ and $\chi(b)$ Mesons in Proton-(Anti) Proton Collisions. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2017, vol. 58, no. 2., Registrované v: WOS

23. [1.1] LI, Ya - MA, Ai-Jun - WANG, Wen-Fei - XIAO, Zhen-Jun. The S-wave resonance contributions to the three-body decays $B(s)(0) \rightarrow \eta(c)f(0)(X) \rightarrow \eta(c)\pi^+\pi^-$ in perturbative QCD approach. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 12, art. no. 675., Registrované v: WOS

24. [1.1] LI, Ya - MA, Ai-Jun - RUI, Zhou - XIAO, Zhen-Jun. Quasi-two-body decays $B \rightarrow \eta(c)(1S, 2S) [\rho(770), \rho(1450), \rho(1700)] \pi \pi$ in the perturbative QCD approach. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 924, pp. 745-758., Registrované v: WOS

25. [1.1] LI, Ya - MA, Ai-Jun - WANG, Wen-Fei - XIAO, Zhen-Jun. Quasi-two-body decays $B(s) \rightarrow P \rho'(1450), P \rho''(1700) \rightarrow P \pi \pi$ in the perturbative QCD approach. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 036014., Registrované v: WOS

26. [1.1] LI, Ya - MA, Ai-Jun - WANG, Wen-Fei - XIAO, Zhen-Jun. Quasi-two-body decays $B(s) \rightarrow P\rho \rightarrow P \pi \pi$ in the perturbative QCD approach. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 056008., Registrované v: WOS

27. [1.1] LU, Gang - WANG, Yu-Ting - ZHI, Qin-Qin. Effect of resonance for CP asymmetry of the decay process $(B)\overline{B}(s) \rightarrow P \pi^+ \pi^-$ in perturbative QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 013004., Registrované v: WOS

28. [1.1] MATHAD, A. First observation of the charmless decay of $\Xi(-)(b) \rightarrow pK(-) K^-$ at LHCb. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2017, vol. 40, no. 5, art. no. 174., Registrované v: WOS

29. [1.1] MA, Ai-Jun - LI, Ya - WANG, Wen-Fei - XIAO, Zhen-Jun. The quasi-two-body decays $B(s) \rightarrow (D(s), (D)\overline{B}(s)) \rho \rightarrow (D(s), (D)\overline{B}(s)) \pi \pi$ in the perturbative QCD factorization approach. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 923, pp. 54-72., Registrované v: WOS

30. [1.1] MA, Ai-Jun - LI, Ya - WANG, Wen-Fei - XIAO, Zhen-Jun. S-wave resonance contributions to $B(s)(0) \rightarrow \eta(c)(2S)\pi^+\pi^-$ in the perturbative QCD factorization approach. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 8, art. no. 083105., Registrované v: WOS

31. [1.1] MA, Ai-Jun - LI, Ya - XIAO, Zhen-Jun. Quasi-two-body decays $B-c \rightarrow D(s)[\rho(770), \rho(1450), \rho(1700)] \pi \pi$ in the perturbative QCD factorization approach. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 926, pp. 584-601., Registrované v: WOS

32. [1.1] MA, Yue - CHEN, Guo-Ying. Structure of X_b from line shape analysis. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 5, art. no. 1650035., Registrované v: WOS
33. [1.1] MOLINA, D. - DE SANCTIS, M. - FERNANDEZ-RAMIREZ, C. - SANTOPINTO, E. Bottomonium spectrum with a Dirac potential model in the momentum space. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 12 2020, vol. 80, no. 6., Registrované v: WOS
34. [1.1] PERAZZINI, Stefano. Dalitz plot analyses of charmless b -hadron decays at LHCb. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 1391-1397., Registrované v: WOS
35. [1.1] QI, J.J. - WANG, Z.Y. - XU, J. - GUO, X.H. Studying the localized CP violation and the branching fraction of the $(B)\overline{B}(0) \rightarrow K\pi^+\pi^+\pi^-$ decay. In CHINESE PHYSICS C. ISSN 1674-1137, OCT 2020, vol. 44, no. 10., Registrované v: WOS
36. [1.1] SANTOPINTO, E. - FERRETTI, J. Strange and nonstrange baryon spectra in the relativistic interacting quark-diquark model with a Gursey and Radicati-inspired exchange interaction. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 2, art. no. 025202., Registrované v: WOS
37. [1.1] SEGOVIA, Jorge - ORTEGA, Pablo G. - ENTEM, David R. - FERNANDEZ, Francisco. Bottomonium spectrum revisited. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 074027., Registrované v: WOS
38. [1.1] WANG, W.F. - CHAI, J. - MA, A.J. Contributions of K^{*0} (1430) and K^{*0} (1950) in the three-body decays $B \rightarrow K \pi h$. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 26 2020, no. 3., Registrované v: WOS
39. [1.1] XING, Y. - XING, Z.P. S-wave contributions to $(B)\overline{B}(s)(0) \rightarrow (D-0, (D)\overline{B}(0))\pi^+\pi^-$ in the perturbative QCD framework. In CHINESE PHYSICS C. ISSN 1674-1137, JUL 2019, vol. 43, no. 7., Registrované v: WOS
40. [1.1] ZOU, Z.T. - LI, Y. - LIU, X. Branching fractions and CP asymmetries of the quasi-two-body decays in $B_s \rightarrow K^{*0} K^{\pm}\pi^{\mp}$ within PQCD approach. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 10 2020, vol. 80, no. 6., Registrované v: WOS
41. [1.1] ZOU, Z.T. - LI, Y. - LI, Q.X. - LIU, X. Resonant contributions to three-body $B \rightarrow KKK$ decays in perturbative QCD approach. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 11 2020, vol. 80, no. 5., Registrované v: WOS

ADCA669 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Observation of an Excited $B_c^{+/-}$ Meson State with the ATLAS Detector. In *Physical Review Letters*, 2014, vol. 113, no. 21, art. no. 212004. (2013: 7.728 - IF, Q1 - JCR, 5.674 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.113.212004>

Ohlasy:

1. [1.1] ABREU, L.M. - DA COSTA, F.M. - FAVERO, A.G. Bottom-charmed meson spectrum from a QCD approach based on the Tamm-Dancoff approximation. In PHYSICAL REVIEW D. ISSN 1550-7998,

AUG 5 2020, vol. 102, no. 3., Registrované v: WOS

2. [1.1] AKBAR, N. Properties of B-c Mesons and Variational Constraints on Their Masses. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, JUL 2020, vol. 83, no. 4, p. 634-640., Registrované v: WOS
3. [1.1] ASGHAR, I. - AKRAM, F. - MASUD, B. - SULTAN, M.A. Properties of excited charmed-bottom mesons. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 8 2019, vol. 100, no. 9., Registrované v: WOS
4. [1.1] BEREZHNOY, Alexander - LIKHODED, Anatoly. Associated production of Upsilon and open charm at LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 20, art. no. 1550125., Registrované v: WOS
5. [1.1] BEREZHNOY, A. V. - LIKHODED, A. K. - ONISHCHENKO, A. I. - POSLAVSKY, S. V. Next-to-leading order QCD corrections to paired B-c production in $e(+)e(-)$ annihilation. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 915, pp. 224-242., Registrované v: WOS
6. [1.1] BEREZHNOY, A.V. - BELOV, I.N. - LIKHODED, A.K. - LUHINSKY, A.V. B-c excitations at LHC experiments. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, DEC 28 2019, vol. 34, no. 40., Registrované v: WOS
7. [1.1] BEREZHNOY, A.V. - BELOV, I.N. - LIKHODED, A.K. D-Wave and Other Excitations of B-c Mesons at the LHC. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, NOV 2020, vol. 83, no. 6, p. 969-974., Registrované v: WOS
8. [1.1] BHAT, Manjunath - MONTEIRO, Antony Prakash - KUMAR, K. B. Vijaya. Effects of coupled channels on $c(b)\text{over-bar}$ masses and decays in NRQM with OGEP. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2017, vol. 26, no. 6, art. no. 1750037., Registrované v: WOS
9. [1.1] BLANKE, M. - CRIVELLIN, A. - KITAHARA, T. - MOSCATI, M. - NIERSTE, U. - NISANDZIC, I. Impact of polarization observables and $B\text{-}c \rightarrow \tau \nu$ on new physics explanations of the $b \rightarrow c \tau \nu$ anomaly (vol 99, 075006, 2019). In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 28 2019, vol. 100, no. 3., Registrované v: WOS
10. [1.1] CAPRIOTTI, L. Spectroscopy of Heavy Hadrons at LHCb. In XIII INTERNATIONAL CONFERENCE ON BEAUTY, CHARM AND HYPERON HADRONS (BEACH 2018). ISSN 1742-6588, 2019, vol. 1137., Registrované v: WOS
11. [1.1] EICHTEEN, E.J. - QUIGG, C. Mesons with beauty and charm: New horizons in spectroscopy. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 28 2019, vol. 99, no. 5., Registrované v: WOS
12. [1.1] GERSHON, Timothy - NEEDHAM, Matthew. Heavy flavour physics at the LHC. In COMPTES RENDUS PHYSIQUE. ISSN 1631-0705, 2015, vol. 16, no. 4, pp. 435-447., Registrované v: WOS
13. [1.1] HORGAN, R. R. Lattice QCD results for mesons containing b quarks from the HPQCD collaboration. In XITH CONFERENCE ON QUARK CONFINEMENT AND HADRON SPECTRUM. ISSN 0094-243X, 2016, vol. 1701, art. no. 050021., Registrované v: WOS
14. [1.1] CHEN, Jiao-Kai. Regge trajectories for the mesons consisting of different quarks. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 8, art. no. 648., Registrované v: WOS

15. [1.1] KAI, He - HUAN-YU, Bi - REN-YOU, Zhang - XIAO-ZHOU, Li - WEN-GAN, Ma. P-wave excited B-c*** meson photoproduction at the LHeC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 5, art. no. 055005., Registrované v: WOS
16. [1.1] KARATAS, E. - BOUCHECAREILH, M. Alpha 1-Antitrypsin Deficiency: A Disorder of Proteostasis-Mediated Protein Folding and Trafficking Pathways. In INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES. FEB 2020, vol. 21, no. 4., Registrované v: WOS
17. [1.1] LIAO, Qi-Li - DENG, Ya - YU, Yan - WANG, Guang-Chuan - XIE, Guo-Ya. Heavy P-wave quarkonium production via Higgs decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 036014., Registrované v: WOS
18. [1.1] LIAO, Qi-Li - YU, Yan - DENG, Ya - XIE, Guo-Ya - WANG, Guang-Chuan. Excited heavy quarkonium production via Z(0) decays at a high luminosity collider. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 114030., Registrované v: WOS
19. [1.1] LI, W. - WANG, Y.L. - FENG, T.F. - WANG, G.L. Mass spectra of heavy pseudoscalars using instantaneous Bethe-Salpeter equation with different kernels. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 11 2020, vol. 80, no. 8., Registrované v: WOS
20. [1.1] MATHUR, Nilmani - PADMANATH, M. - MONDAL, Sourav. Precise Predictions of Charmed-Bottom Hadrons from Lattice QCD. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 20, art. no. 202002., Registrované v: WOS
21. [1.1] MELNYCHUK, D. BARYONIC AND MESONIC RESONANCES AT THE LHCb. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, p. 375-380., Registrované v: WOS
22. [1.1] MONTEIRO, Antony Prakash - BHAT, Manjunath - KUMAR, K. B. Vijaya. c(b)over-bar spectrum and decay properties with coupled channel effects. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 054016., Registrované v: WOS
23. [1.1] MONTEIRO, Antony Prakash - BHAT, Manjunath - KUMAR, K. B. Vijaya. Mass spectra and decays of ground and orbitally excited c(b)over-bar states in nonrelativistic quark model. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 4, art. no. 1750021., Registrované v: WOS
24. [1.1] ORTEGA, P.G. - SEGOVIA, J. - ENTEM, D.R. - FERNANDEZ, F. Spectroscopy of B-c mesons and the possibility of finding exotic B-c-like structures. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 9 2020, vol. 80, no. 3., Registrované v: WOS
25. [1.1] PATNAIK, Sonali - DASH, P. C. - KAR, Susmita - PATRA, Sweta P. - BARIK, N. Magnetic dipole transitions of B-c and B*(c) mesons in the relativistic independent quark model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 116010., Registrované v: WOS
26. [1.1] PATNAIK, Sonali - DASH, P. C. - KAR, Susmita - BARIK, N. Electromagnetic transitions of (b(c)over-bar) bound system. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 056025., Registrované v: WOS
27. [1.1] PATNAIK, S. - NAYAK, L. - DASH, P.C. - KAR, S. - BARIK,

- N. Semileptonic Bc meson decays to S-wave charmonium states. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, NOV 25 2020, vol. 135, no. 11., Registrované v: WOS
28. [1.1] POLIKARPOV, S.M. Spectroscopy of B-c(+) Mesons and Lambda(0)(b) Baryons in the CMS Experiment. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, NOV 2020, vol. 83, no. 6, p. 926-929., Registrované v: WOS
29. [1.1] RUI, Zhou - WANG, Wen-Fei - WANG, Guang-xin - SONG, Li-hua - LU, Cai-Dian. The B-c> psi(2S)pi, eta(c)(2S)pi decays in the perturbative QCD approach. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 6, art. no. 293., Registrované v: WOS
30. [1.1] VARGAS, Jose Eduardo - KUBESCH, Nadine - HERNANDEZ-FERRER, Carles - CARRASCO-TURIGAS, Gloria - BUSTAMANTE, Mariona - NIEUWENHUIJSEN, Mark - GONZALEZ, Juan R. A systemic approach to identify signaling pathways activated during short-term exposure to traffic-related urban air pollution from human blood. In ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH. ISSN 0944-1344, 2018, vol. 25, no. 29, pp. 29572-29583., Registrované v: WOS
31. [1.1] WURTZ, Mark - LEWIS, Randy - WOLOSCHYN, R. M. Free-form smearing for bottomonium and B meson spectroscopy. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 054504., Registrované v: WOS
32. [1.1] ZHU, Ruilin. Relativistic corrections to the form factors of B-c into P-wave orbitally excited charmonium. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 931, pp. 359-382., Registrované v: WOS

ADCA670 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Observation of Associated Near-Side and Away-Side Long-Range Correlations in root S-NN=5.02 TeV Proton-Lead Collisions with the ATLAS Detector. In *Physical Review Letters*, 2013, vol. 110, no. 18, art. no. 182302. (2012: 7.943 - IF, Q1 - JCR, 6.292 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

1. [1.1] AGOSTINI, P. - ALTINOLUK, T. - ARMESTO, N. Effect of non-eikonal corrections on azimuthal asymmetries in the color glass condensate. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 2019, vol. 79, no. 9., Registrované v: WOS
2. [1.1] AGOSTINI, P. - ALTINOLUK, T. - ARMESTO, N. Non-eikonal corrections to multi-particle production in the color glass condensate. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 16 2019, vol. 79, no. 7., Registrované v: WOS
3. [1.1] ALTINOLUK, Tolga - ARMESTO, Nestor - BEUF, Guillaume - KOVNER, Alex - LUBLINSKY, Michael. Bose enhancement and the ridge. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 751, pp. 448-452., Registrované v: WOS
4. [1.1] ALTINOLUK, Tolga - ARMESTO, Nestor - BEUF, Guillaume - KOVNER, Alex - LUBLINSKY, Michael. Hanbury-Brown-Twiss measurements at large rapidity separations, or can we measure the proton radius in p-A collisions? In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 752,

pp. 113-121., Registrované v: WOS

5. [1.1] ALTINOLUK, Tolga - ARMESTO, Nestor - BEUF, Guillaume - KOVNER, Alex - LUBLINSKY, Michael. Quark correlations in the color glass condensate: Pauli blocking and the ridge. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034025., Registrované v: WOS

6. [1.1] ALTINOLUK, Tolga - ARMESTO, Nestor - KOVNER, Alex - LUBLINSKY, Michael. Double and triple inclusive gluon production at mid rapidity: quantum interference in p-A scattering. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 702., Registrované v: WOS

7. [1.1] ALTINOLUK, Tolga - ARMESTO, Nestor - WERTEPNY, Douglas E. Correlations and the ridge in the Color Glass Condensate beyond the glasma graph approximation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 207., Registrované v: WOS

8. [1.1] ALTINOLUK, T. - ARMESTO, N. Particle correlations from the initial state. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, AUG 26 2020, vol. 56, no. 8., Registrované v: WOS

9. [1.1] ALTSYBEEV, Igor - FEOFILOV, Grigory. Azimuthal flows in hadron collisions from quark-gluon string repulsion. In 19TH INTERNATIONAL SEMINAR ON HIGH ENERGY PHYSICS (QUARKS-2016). ISSN 2100-014X, 2016, vol. 125, art. no. UNSP 04011., Registrované v: WOS

10. [1.1] ARMESTO, Nestor - SCOMPARIN, Enrico. Heavy-ion collisions at the Large Hadron Collider: A review of the results from Run 1. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2016, vol. 131, no. 3, art. no. 52., Registrované v: WOS

11. [1.1] BALA, Renu - BAUTISTA, Irais - BIELCIKOVA, Jana - ORTIZ, Antonio. Heavy-ion physics at the LHC: Review of Run I results. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 7, art. no. 1642006., Registrované v: WOS

12. [1.1] BARNARD, N.N. - HOROWITZ, W.A. Bottomonia suppression in heavy-ion collisions from anti-de Sitter space/conformal field theory. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 21 2020, vol. 101, no. 1., Registrované v: WOS

13. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS

14. [1.1] BERAUDO, Andrea - DE PACE, Arturo - MONTENO, Marco - NARDI, Marzia - PRINO, Francesco. Heavy-flavour production in high-energy d-Au and p-Pb collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 123., Registrované v: WOS

15. [1.1] BHALERAO, R.S. - GIACALONE, G. - OLLITRAULT, J.Y. Kurtosis of elliptic flow fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 30 2019, vol. 99, no. 1., Registrované v: WOS

16. [1.1] BIELCIKOVA, Jana. Overview of STAR results on correlations, jets and heavy-flavor production. In 9TH INTERNATIONAL WORKSHOP ON HIGH-PT PHYSICS AT LHC. ISSN 1742-6588, 2015, vol. 589, art. no. 012002., Registrované v: WOS

17. [1.1] BIRO, G. - BARNAFOLDI, G.G. - BIRO, T.S.
Tsallis-thermometer: a QGP indicator for large and small collisional systems. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, OCT 2020, vol. 47, no. 10., Registrované v: WOS
18. [1.1] BOER, Daniel - VAN DAAL, Tom - MULDER, Piet J. - PETRESKA, Elena. Directed flow from C-odd gluon correlations at small x. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 140., Registrované v: WOS
19. [1.1] BOIMSKA, Bozena. HEAVY-ION RESULTS OF THE CMS EXPERIMENT. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 6, pp. 1397-1415., Registrované v: WOS
20. [1.1] BOZEK, Piotr - BRONIOWSKI, Wojciech. Hydrodynamic modeling of He-3-Au collisions at root S-NN=200 GeV. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 135-138., Registrované v: WOS
21. [1.1] BOZEK, Piotr - BRONIOWSKI, Wojciech. Elliptic Flow in Ultrarelativistic Collisions with Polarized Deuterons. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 20, art. no. 202301., Registrované v: WOS
22. [1.1] BOZEK, Piotr. Small systems hydrodynamics. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 208-215., Registrované v: WOS
23. [1.1] BRAUN, M.A. - PAJARES, C. Elliptic and triangular flows in dAu collisions at 200 GeV in the fusing color string model. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, FEB 5 2020, vol. 56, no. 2., Registrované v: WOS
24. [1.1] BRONIOWSKI, W. - BOZEK, P. Elliptic flow in ultrarelativistic collisions with light polarized nuclei. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 3 2020, vol. 101, no. 2., Registrované v: WOS
25. [1.1] BRUNA, E. Open heavy-flavour production in nuclear collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 106-112., Registrované v: WOS
26. [1.1] BZDAK, Adam - DUSLING, Kevin. Saturation scale fluctuations and multiparticle rapidity correlations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 4, art. no. 044918., Registrované v: WOS
27. [1.1] BZDAK, Adam - MA, Guo-Liang. Elliptic flow coefficients from transverse momentum conservation. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 1, art. no. 014903., Registrované v: WOS
28. [1.1] BZDAK, Adam - SKOKOV, Vladimir. Multi-particle eccentricities in collisions dominated by fluctuations. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 943, pp. 1-8., Registrované v: WOS
29. [1.1] BZDAK, A. Saturation and collectivity in p plus A collisions at RHIC and LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 785-788., Registrované v: WOS
30. [1.1] CASALDERRY-SOLANA, Jorge - GULHAN, Doga Can - MILHANO, Jose Guilherme - PABLOS, Daniel - RAJAGOPAL, Krishna. Angular structure of jet quenching within a hybrid strong/weak coupling model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 135., Registrované v: WOS
31. [1.1] CASTILHO, Wagner M. - QIAN, Wei-Liang - HAMA, Yojiro - KODAMA, Takeshi. Event-plane dependent di-hadron correlations with

- harmonic $v(n)$ subtraction in a hydrodynamic model. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 777, pp. 369-373., Registrované v: WOS
32. [1.1] CIFARELLI, L. - NANIA, R. - NOFERINI, F. - SCAPPARONE, E. - ZICHICHI, A. Insights from the ALICE quark-gluon coloured world at the LHC. In RIVISTA DEL NUOVO CIMENTO. ISSN 0393-697X, 2016, vol. 39, no. 10, pp. 497-545., Registrované v: WOS
33. [1.1] COLAMARIA, Fabio. Study of azimuthal correlations between D mesons and charged particles with the ALICE experiment. In HOT QUARKS 2014: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS. ISSN 1742-6588, 2015, vol. 612, art. no. 012024., Registrované v: WOS
34. [1.1] CUAUTLE FLORES, Eleazar. Are the collective phenomena a universal feature of the hadronic matter created in p-p, p-A and A-A colliding systems? In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 7, art. no. 1642007., Registrované v: WOS
35. [1.1] DAINESE, Andrea. Heavy-Flavour Probes in Heavy-Ion Collisions. In MEASUREMENT OF THE D0 MESON PRODUCTION IN PB-PB AND P-PB COLLISIONS: A STUDY PERFORMED WITH THE ALICE EXPERIMENT AT THE LHC. ISSN 2190-5053, 2016, pp. 23-49., Registrované v: WOS
36. [1.1] DAVID, Gabor. Event characterization in (very) asymmetric collisions. In 9TH INTERNATIONAL WORKSHOP ON HIGH-PT PHYSICS AT LHC. ISSN 1742-6588, 2015, vol. 589, art. no. 012005., Registrované v: WOS
37. [1.1] DAVY, M.K. - MARQUET, C. - SHI, Y. - XIAO, B.W. - ZHANG, C. Two-particle azimuthal harmonics in pA collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, MAR 2019, vol. 983, p. 293-309., Registrované v: WOS
38. [1.1] DENICOL, Gabriel S. - NORONHA, Jorge. Analytical attractor and the divergence of the slow-roll expansion in relativistic hydrodynamics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 056021., Registrované v: WOS
39. [1.1] DERRADI DE SOUZA, R. - KOIDE, T. - KODAMA, T. Hydrodynamic approaches in relativistic heavy ion reactions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 86, pp. 35-85., Registrované v: WOS
40. [1.1] DONG, X. - LEE, Y.J. - RAPP, R. Open Heavy-Flavor Production in Heavy-Ion Collisions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 69. ISSN 0163-8998, 2019, vol. 69, p. 417-445., Registrované v: WOS
41. [1.1] DUMITRU, Adrian - GIANNINI, Andre V. Initial state angular asymmetries in high energy p plus A collisions: Spontaneous breaking of rotational symmetry by a color electric field and C-odd fluctuations. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 933, pp. 212-228., Registrované v: WOS
42. [1.1] DUMITRU, Adrian - MCLERRAN, Larry - SKOKOV, Vladimir. Azimuthal asymmetries and the emergence of "collectivity" from multi-particle correlations in high-energy pA collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 743, pp. 134-137., Registrované v: WOS

43. [1.1] DUMITRU, Adrian - SKOKOV, Vladimir. Anisotropy of the semiclassical gluon field of a large nucleus at high energy. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 7, art. no. 074006., Registrované v: WOS
44. [1.1] DURAES, F. O. - GIANNINI, A. V. - GONCALVES, V. P. - NAVARRA, F. S. Rapidity dependence of the average transverse momentum in hadronic collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024917., Registrované v: WOS
45. [1.1] DUSLING, Kevin - LI, Wei - SCHENKE, Bjoern. Novel collective phenomena in high-energy proton-proton and proton-nucleus collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 1, art. no. 1630002., Registrované v: WOS
46. [1.1] DUSLING, Kevin - TRIBEDY, Prithwish - VENUGOPALAN, Raju. Energy dependence of the ridge in high multiplicity proton-proton collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 014034., Registrované v: WOS
47. [1.1] ESPOSITO, Angelo - GYULASSY, Miklos. Hadronization scheme dependence of long-range azimuthal harmonics in high energy p plus A reactions. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 433-440., Registrované v: WOS
48. [1.1] EYYUBOVA, G. - KOROTKIKH, V. L. - LOKHTIN, I. P. - PETRUSHANKO, S. V. - SNIGIREV, A. M. - BRAVINA, L. - ZABRODIN, E. E. Angular dihadron correlations as an interplay between elliptic and triangular flows. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 6, art. no. 064907., Registrované v: WOS
49. [1.1] FESTANTI, Andrea. Measurement of D-0-meson production in Pb-Pb and p-Pb collisions with the ALICE experiment at the LHC. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2016, vol. 131, no. 10, art. no. 366., Registrované v: WOS
50. [1.1] FLORIS, Michele. Overview of ALICE Results. In 15TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2015). ISSN 1742-6588, 2016, vol. 668, art. no. 012013., Registrované v: WOS
51. [1.1] FRIBERG, Sten - NYSTROM, Andreas M. NANOMEDICINE: will it offer possibilities to overcome multiple drug resistance in cancer? In JOURNAL OF NANOBIO TECHNOLOGY. ISSN 1477-3155, 2016, vol. 14, art. no. 17., Registrované v: WOS
52. [1.1] FUJII, Hirotugu - WATANABE, Kazuhiro. Leptons from heavy-quark semileptonic decay in pA collisions within the GC framework. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 951, pp. 45-59., Registrované v: WOS
53. [1.1] GIANNINI, A.V. - GRASSI, F. - LUZUM, M. Bulk quantities in nuclear collisions from running-coupling $k(T)$ factorization and hybrid simulations. In PHYSICAL REVIEW C. ISSN 2469-9985, JUL 31 2019, vol. 100, no. 1., Registrované v: WOS
54. [1.1] HABICH, M. - MILLER, G. A. - ROMATSCHKE, P. - XIANG, W. Testing hydrodynamic descriptions of p plus p collisions at TeV. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 7, art. no. 408., Registrované v: WOS

55. [1.1] HAGIWARA, Yoshikazu - HATTA, Yoshitaka - XIAO, Bo-Wen - YUAN, Feng. Elliptic flow in small systems due to elliptic gluon distributions? In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 771, pp. 374-378., Registrované v: WOS
56. [1.1] HAN, Seyoung - ESUMI, ShinIchi - SATO, Kazuki - NAKAGAWA, Itaru - TODOROKI, Takahito. A New Baseline Subtraction Method for Di-hadron Correlations in High-multiplicity Small System Collisions. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2018, vol. 73, no. 5, pp. 677-683., Registrované v: WOS
57. [1.1] HE, Liang - EDMONDS, Terrence - LIN, Zi-Wei - LIU, Feng - MOLNAR, Denes - WANG, Fuqiang. Anisotropic parton escape is the dominant source of azimuthal anisotropy in transport models. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 753, pp. 506-510., Registrované v: WOS
58. [1.1] HE, Y.C. - LIN, Z.W. Particle productions and anisotropic flows from the AMPT model for Cu plus Au collisions at $\sqrt{s(NN)}=200$ GeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, APR 27 2020, vol. 56, no. 4., Registrované v: WOS
59. [1.1] HUANG, Shengli. Collectivity and thermalization in p plus p, p plus A, d+Au and He-3+Au collisions. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012009., Registrované v: WOS
60. [1.1] HUANG, S. Measurements of elliptic and triangular flow in high-multiplicity He-3+Au collisions at $\sqrt{s(NN)}=200$ GeV. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 761-764., Registrované v: WOS
61. [1.1] CHANG, Sung. Proton-proton collisions prove stranger than expected. In PHYSICS TODAY. ISSN 0031-9228, 2017, vol. 70, no. 7, pp. 21-23., Registrované v: WOS
62. [1.1] CHESLER, Paul M. Colliding Shock Waves and Hydrodynamics in Small Systems. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 24, art. no. 241602., Registrované v: WOS
63. [1.1] CHESLER, Paul M. Holography and hydrodynamics in small systems. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 144-151., Registrované v: WOS
64. [1.1] CHESLER, Paul M. How big are the smallest drops of quark-gluon plasma? In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 146., Registrované v: WOS
65. [1.1] CHRISTAKOGLU, Panos. Experimental overview of collective flow with identified particles at RHIC and the LHC. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. UNSP 08004., Registrované v: WOS
66. [1.1] IANCU, Edmond - REZAEIAN, Amir H. Elliptic flow from color-dipole orientation in pp and pA collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 094003., Registrované v: WOS
67. [1.1] JACAZIO, Nicolo. Multiplicity dependence of light flavour hadrons in small systems with the ALICE experiment. In WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS (HOT QUARKS 2016). ISSN 1742-6588, 2017, vol. 832, art. no. UNSP 012019., Registrované v: WOS

68. [1.1] JACAZIO, N. Light flavor hadron production as a function of the charged-particle multiplicity at the LHC. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2017, vol. 40, no. 1, art. no. 7., Registrované v: WOS
69. [1.1] JEON, Sangyong - HEINZ, Ulrich. Introduction to hydrodynamics. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2015, vol. 24, no. 10, art. no. 1530010., Registrované v: WOS
70. [1.1] KAMIN, Jason. Hot and cold nuclear matter effects in p-Pb collisions at the LHC. In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, art. no. 03018., Registrované v: WOS
71. [1.1] KAR, Somnath - CHOUDHURY, Subikash - MUHURI, Sanjib - GHOSH, Premomoy. Multiple parton interactions and production of charged particles up to the intermediate-p(T) range in high-multiplicity pp events at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 014016., Registrované v: WOS
72. [1.1] KAR, Somnath - CHOUDHURY, Subikash - SADHU, Samrangy - GHOSH, Premomoy. Centrality dependent long-range angular correlations of intermediate-p(T) D-mesons and charged particles in pPb collisions at the LHC energy. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 12, art. no. 125103., Registrované v: WOS
73. [1.1] KOOP, J. D. Orjuela - ADARE, A. - MCGLINCHEY, D. - NAGLE, J. L. Azimuthal anisotropy relative to the participant plane from a multiphase transport model in central p plus Au, d + Au, and He-3 + Au collisions at $\sqrt{s_{NN}}=200$ GeV. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 5, art. no. 054903., Registrované v: WOS
74. [1.1] KOOP, J. D. Orjuela - BELMONT, R. - YIN, P. - NAGLE, J. L. Exploring the beam-energy dependence of flow-like signatures in small-system d plus Au collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 4, art. no. 044910., Registrované v: WOS
75. [1.1] KOVNER, Alex - LUBLINSKY, Michael. Entanglement entropy and entropy production in the color glass condensate framework. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 034016., Registrované v: WOS
76. [1.1] KOVNER, Alex - LUBLINSKY, Michael - SKOKOV, Vladimir. Exploring correlations in the CGC wave function: Odd azimuthal anisotropy. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 016010., Registrované v: WOS
77. [1.1] KOVNER, Alex - REZAEIAN, Amir H. Diphoton ridge in p plus p and p plus A collisions at RHIC and the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 074045., Registrované v: WOS
78. [1.1] KOVNER, Alex - REZAEIAN, Amir H. Di-photon correlations in p plus A collisions at the LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 276, pp. 257-260., Registrované v: WOS
79. [1.1] KOVNER, Alex - REZAEIAN, Amir H. Di-photon versus di-hadron correlations in p plus A collisions. In 6TH INTERNATIONAL CONFERENCE ON PHYSICS OPPORTUNITIES AT AN ELECTRON-ION

COLLIDER. ISSN 2100-014X, 2016, vol. 112, art. no. 02012., Registrované v: WOS

80. [1.1] KOVNER, Alex - REZAEIAN, Amir H. Double parton scattering in the CGC: Double quark production and effects of quantum statistics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074018., Registrované v: WOS

81. [1.1] KOVNER, Alex - REZAEIAN, Amir H. Multiquark production in p plus A collisions: Quantum interference effects. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 074008., Registrované v: WOS

82. [1.1] KOVNER, Alex - SKOKOV, Vladimir V. Does shape matter? $v(2)$ vs eccentricity in small x gluon production. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 785, pp. 372-380., Registrované v: WOS

83. [1.1] LAPPI, T. Azimuthal harmonics of color fields in a high energy nucleus. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 744, pp. 315-319., Registrované v: WOS

84. [1.1] LIU, Peifeng - LACEY, Roy A. System-size dependence of the viscous attenuation of anisotropic flow in p plus Pb and Pb plus Pb collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 031901., Registrované v: WOS

85. [1.1] LI, Wei. Collective flow from AA, pA to pp collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 59-66., Registrované v: WOS

86. [1.1] LOIZIDES, Constantin. Experimental overview on small collision systems at the LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 200-207., Registrované v: WOS

87. [1.1] LOIZIDES, C. First results on p-Pb collisions from ALICE. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 352, pp. 41-51., Registrované v: WOS

88. [1.1] MALECKI, Bartosz. TWO-PARTICLE CORRELATIONS IN p-Pb COLLISIONS AT THE LHCb. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 6, pp. 1067-1072., Registrované v: WOS

89. [1.1] MANTYSAARI, Heikki - SCHENKE, Bjorn. Revealing proton shape fluctuations with incoherent diffraction at high energy. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 034042., Registrované v: WOS

90. [1.1] MANTYSAARI, Heikki - SCHENKE, Bjorn. Evidence of Strong Proton Shape Fluctuations from Incoherent Diffraction. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 117, no. 5, art. no. 052301., Registrované v: WOS

91. [1.1] MARKODIMITRAKI, C.M. - RANG, F.J. - ROOIJERS, K. - DE VRIES, S.S. - CHIALASTRI, A. - DE LUCA, K.L. - LOCHS, S.J.A. - MOOIJMAN, D. - DEY, S.S. - KIND, J. Simultaneous quantification of protein-DNA interactions and transcriptomes in single cells with scDam&T-seq. In NATURE PROTOCOLS. ISSN 1754-2189, JUN 2020, vol. 15, no. 6, p. 1922-1953., Registrované v: WOS

92. [1.1] MA, Guo-Liang - BZDAK, Adam. Flow in small systems from parton scatterings. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 745-748., Registrované v: WOS

93. [1.1] MCGLINCHEY, D. PHENIX Overview. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 19-26., Registrované v: WOS

94. [1.1] MCLERRAN, Larry - SKOKOV, Vladimir V. Finite numbers of sources, particle correlations and the Color Glass Condensate. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 947, pp. 142-154., Registrované v: WOS
95. [1.1] MEETHALEVEEDU, Greeshma Koyithatta. Long Range Correlations in P-Pb Collisions at $\sqrt{s(NN)}=5.02$ TeV with ALICE. In XXII DAE HIGH ENERGY PHYSICS SYMPOSIUM. ISSN 0930-8989, 2018, vol. 203, pp. 629-632., Registrované v: WOS
96. [1.1] MONDAL, M. - MONDAL, J. - KAR, S. - DEB, A. - GHOSH, P. Forward-backward multiplicity and momentum correlations in pp collisions at LHC energies. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 21 2020, vol. 102, no. 1., Registrované v: WOS
97. [1.1] MORELAND, J.S. - BERNHARD, J.E. - BASS, S.A. Bayesian calibration of a hybrid nuclear collision model using p-Pb and Pb-Pb data at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 21 2020, vol. 101, no. 2., Registrované v: WOS
98. [1.1] MORRISON, David - NAGLE, James L. PHENIX: Beyond 15 years of discovery. In Progress of Theoretical and Experimental Physics. ISSN 2050-3911, 2015, no. 3, art. no. 03A108., Registrované v: WOS
99. [1.1] NAGLE, James L. - ZAJC, William A. Small System Collectivity in Relativistic Hadronic and Nuclear Collisions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 68. ISSN 0163-8998, 2018, vol. 68, pp. 211-235., Registrované v: WOS
100. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS
101. [1.1] NAYAK, Kishora. Light Flavor Hadron Production as a Function of Multiplicity in pp Collisions at $\sqrt{s}=7$ TeV Measured with ALICE. In XXII DAE HIGH ENERGY PHYSICS SYMPOSIUM. ISSN 0930-8989, 2018, vol. 203, pp. 357-359., Registrované v: WOS
102. [1.1] NI, Hong. Measurements of $K^0_S(\Lambda)$ Λ + (Λ) over-bar, and $\Xi^0(\Xi^-)$ production in pp, pPb, and PbPb collisions with CMS. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 449-452., Registrované v: WOS
103. [1.1] NI, Hong. Strange hadron production in pp, pPb, and PbPb collisions at LHC energies. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 13008., Registrované v: WOS
104. [1.1] NOUICER, R. New state of nuclear matter: Nearly perfect fluid of quarks and gluons in heavy-ion collisions at RHIC energies. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2016, vol. 131, no. 3, art. no. 70., Registrované v: WOS
105. [1.1] OEZOENDER, Sener. Long range azimuthal correlations of multiple gluons in gluon saturation limit. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 054036., Registrované v: WOS
106. [1.1] OEZOENDER, Sener. Triple-gluon and quadruple-gluon azimuthal correlations from glasma and higher-dimensional ridges. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 034005., Registrované v: WOS

107. [1.1] OHLSON, Alice. Collective behavior in small systems. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 97-104., Registrované v: WOS
108. [1.1] OHLSON, Alice. Correlations, multiplicity distributions, and the ridge in pp and p-Pb collisions. In XLVI INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2016). ISSN 2100-014X, 2017, vol. 141, art. no. UNSP 01006., Registrované v: WOS
109. [1.1] OHLSON, Alice. Recent results on two-particle correlations in ALICE. In 15TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2015). ISSN 1742-6588, 2016, vol. 668, art. no. 012074., Registrované v: WOS
110. [1.1] OLIVA, L. - MOREAU, P. - VORONYUK, V. - BRATKOVSKAYA, E. Influence of electromagnetic fields in proton-nucleus collisions at relativistic energy. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 30 2020, vol. 101, no. 1., Registrované v: WOS
111. [1.1] OZONDER, Sener. Cumulant expansion in gluon saturation and five- and six-gluon azimuthal correlations. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074005., Registrované v: WOS
112. [1.1] OZONDER, Sener. Predictions on three-particle azimuthal correlations in proton proton collisions. In TURKISH JOURNAL OF PHYSICS. ISSN 1300-0101, 2018, vol. 42, no. 1, pp. 78-83., Registrované v: WOS
113. [1.1] PASECHNIK, Roman - SUMBERA, Michal. Phenomenological Review on Quark-Gluon Plasma: Concepts vs. Observations. In UNIVERSE. ISSN 2218-1997, 2017, vol. 3, no. 1, art. no. UNSP 7., Registrované v: WOS
114. [1.1] PREGHENELLA, Roberto. Small systems at the LHC. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 11003., Registrované v: WOS
115. [1.1] PUNETHA, G. - CHANDOLA, H.C. TRANSPORT COEFFICIENTS OF STRONGLY INTERACTING QUARK-GLUON PLASMA USING DUAL QCD HADRONIC BAG. In ROMANIAN JOURNAL OF PHYSICS. ISSN 1221-146X, 2020, vol. 65, no. 3-4., Registrované v: WOS
116. [1.1] QIAN, Yachao - ZAHED, Ismail. Stretched string with self-interaction at the Hagedorn point: Spatial sizes and black holes. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 10, art. no. 105001., Registrované v: WOS
117. [1.1] QIN, Guang-You. Anisotropic flow and jet quenching in relativistic nuclear collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2015, vol. 24, no. 2, art. no. 1530001., Registrované v: WOS
118. [1.1] RAMIREZ, J.E. - PAJARES, C. Area covered by disks in small-bounded continuum percolating systems: An application to the string percolation model. In PHYSICAL REVIEW E. ISSN 2470-0045, AUG 19 2019, vol. 100, no. 2., Registrované v: WOS
119. [1.1] RASANEN, Sami S. ALICE overview. In 4TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2016, vol. 126, art. no. UNSP 02026., Registrované v: WOS
120. [1.1] REZAEIAN, Amir H. Photon-jet ridge at RHIC and the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 094030., Registrované v: WOS

121. [1.1] Ridge' in d plus Au. In STUDY OF QUARK GLUON PLASMA BY PARTICLE CORRELATIONS IN HEAVY ION COLLISIONS. ISSN 2190-5053, 2016, pp. 55-78., Registrované v: WOS
122. [1.1] ROLAND, Gunther. Long-range correlations in high multiplicity pp and pA collisions. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2015, vol. 84, no. 5, pp. 731-746., Registrované v: WOS
123. [1.1] ROMATSCHKE, P. Collective flow without hydrodynamics: simulation results for relativistic ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 429., Registrované v: WOS
124. [1.1] SADHU, S. - GHOSH, P. Anomalous features of particle production in high-multiplicity events of pp collisions at the LHC energies. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 22 2019, vol. 99, no. 3., Registrované v: WOS
125. [1.1] SAKAGUCHI, Takao. Leading Hadron Production in d+Au and He-3+Au collisions in the PHENIX experiment. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 297-300., Registrované v: WOS
126. [1.1] SAKAGUCHI, Takao. PHENIX results on centrality dependence of yields and correlations in d plus Au collisions at $\sqrt{s(NN)}=200$ GeV. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 300-303., Registrované v: WOS
127. [1.1] SALGADO, Carlos A. - WESSELS, Johannes P. Proton-Lead Collisions at the CERN LHC. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 66. ISSN 0163-8998, 2016, vol. 66, pp. 449-473., Registrované v: WOS
128. [1.1] SHEN, Chun - PAQUET, Jean-Francois - DENICOL, Gabriel S. - JEON, Sangyong - GALE, Charles. Thermal Photon Radiation in High Multiplicity p plus Pb Collisions at the Large Hadron Collider. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 7, art. no. 072301., Registrované v: WOS
129. [1.1] SCHENKE, Bjoern - SCHLICHTING, Soeren - TRIBEDY, Prithwish - VENUGOPALAN, Raju. Mass Ordering of Spectra from Fragmentation of Saturated Gluon States in High-Multiplicity Proton-Proton Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 117, no. 16, art. no. 162301., Registrované v: WOS
130. [1.1] SCHENKE, Bjoern. Initial state fluctuations and final state collectivity in high energy nuclear collisions: Status and Outlook. In HOT QUARKS 2014: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS. ISSN 1742-6588, 2015, vol. 612, art. no. 012059., Registrované v: WOS
131. [1.1] SCHLICHTING, Soeren - TRIBEDY, Prithwish. Collectivity in Small Collision Systems: An Initial-State Perspective. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 8460349., Registrované v: WOS
132. [1.1] SCHLICHTING, Soren. Initial state and pre-equilibrium effects in small systems. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 216-221., Registrované v: WOS
133. [1.1] SICKLES, Anne M. d plus Au hadron correlation measurements from PHENIX. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 352, pp.

78-83., Registrované v: WOS

134. [1.1] SKOKOV, Vladimir. High order cumulants of the azimuthal anisotropy in the dilute-dense limit: Connected graphs. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 054014., Registrované v: WOS

135. [1.1] SUN, Y.F. - PLUMARI, S. - GRECO, V. Study of collective anisotropies $v(2)$ and $v(3)$ and their fluctuations in pA collisions at LHC within a relativistic transport approach. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 10 2020, vol. 80, no. 1., Registrované v: WOS

136. [1.1] VECHERNIN, V. V. - IVANOV, K. O. - NEVEROV, D. I. Two-particle correlation function and dihadron correlation approach. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2016, vol. 79, no. 5, pp. 798-806., Registrované v: WOS

137. [1.1] VENUGOPALAN, Raju. Long range correlations in high multiplicity hadron collisions: Building bridges with ridges. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 352, pp. 108-116., Registrované v: WOS

138. [1.1] VIDAL, X. Cid. QCD RESULTS IN THE FORWARD REGION (LHCb). In INTERNATIONAL MEETING: EXCITED QCD, 2016. ISSN 1899-2358, 2016, vol. 9, no. 3, pp. 433-439., Registrované v: WOS

139. [1.1] WELLER, Ryan D. - ROMATSCHKE, Paul. One fluid to rule them all: Viscous hydrodynamic description of event-by-event central p plus p, p plus Pb and Pb plus Pb collisions at root s=5.02 TeV. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 774, pp. 351-356., Registrované v: WOS

140. [1.1] WELSH, Kevin - SINGER, Jordan - HEINZ, Ulrich. Initial-state fluctuations in collisions between light and heavy ions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024919., Registrované v: WOS

141. [1.1] WITEK, Mariusz. Correlations and ridge in pPb collisions in the LHCb Experiment. In XLVI INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2016). ISSN 2100-014X, 2017, vol. 141, art. no. UNSP 01007., Registrované v: WOS

142. [1.1] ZAKHAROV, B. G. Monte Carlo Glauber wounded nucleon model with meson cloud. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2017, vol. 124, no. 6, pp. 860-876., Registrované v: WOS

143. [1.1] ZHANG, C. - MARQUET, C. - QIN, G.Y. - WEI, S.Y. - XIAO, B.W. Elliptic Flow of Heavy Quarkonia in pA Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, MAY 3 2019, vol. 122, no. 17., Registrované v: WOS

144. [1.1] ZHANG, C. - MARQUET, C. - QIN, G.Y. - SHI, Y. - WANG, L. - WEI, S.Y. - XIAO, B.W. Collectivity of heavy mesons in proton-nucleus collisions. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 10 2020, vol. 102, no. 3., Registrované v: WOS

145. [1.1] ZHANG, S. - MA, Y.G. - MA, G.L. - CHEN, J.H. - SHOU, Q.Y. - HE, W.B. - ZHONG, C. Collision system size scan of collective flows in relativistic heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, MAY 10 2020, vol. 804., Registrované v: WOS

146. [1.1] ZHANG, Y. - YANG, J. - WU, W.H. Squeezed back-to-back correlations of K⁺ K⁻ in d + Au collisions at root S-NN=200 GeV and Au plus Au collisions at root S-NN =62.4 GeV. In CHINESE PHYSICS C. ISSN 1674-1137, JUL 2019, vol. 43, no. 7., Registrované v: WOS

147. [1.1] ZOHAR, Erez - WAHL, Thorsten B. - BURRELLO, Michele -

CIRAC, J. Ignacio. Projected Entangled Pair States with non-Abelian gauge symmetries: An SU(2) study. In ANNALS OF PHYSICS. ISSN 0003-4916, 2016, vol. 374, pp. 84-137., Registrované v: WOS

ADCA671 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Observation of Centrality-Dependent Acoplanarity for Muon Pairs Produced via Two-Photon Scattering in Pb plus Pb Collisions at root s(NN)=5.02 TeV with the ATLAS Detector. In *Physical Review Letters*, 2018, vol. 121, no. 21, art. no. 212301. (2017: 8.839 - IF, Q1 - JCR, 3.622 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.121.212301>

Ohlasy:

1. [1.1] GRAZIANI, G. Heavy ion and fixed-target physics at ATLAS, CMS and LHCb. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, OCT-DEC 2019, vol. 42, no. 6., Registrované v: WOS
2. [1.1] KLEIN, S. - MUELLER, A.H. - XIAO, B.W. - YUAN, F. Acoplanarity of a Lepton Pair to Probe the Electromagnetic Property of Quark Matter. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, APR 3 2019, vol. 122, no. 13., Registrované v: WOS
3. [1.1] KLEIN, S. - MUELLER, A.H. - XIAO, B.W. - YUAN, F. Lepton pair production through two photon process in heavy ion collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 13 2020, vol. 102, no. 9., Registrované v: WOS
4. [1.1] ZHA, W.M. - BRANDENBURG, J.D. - TANG, Z.B. - XU, Z.B. Initial transverse-momentum broadening of Breit-Wheeler process in relativistic heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, JAN 10 2020, vol. 800., Registrované v: WOS

ADCA672 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Observation of Electroweak Production of a Same-Sign W Boson Pair in Association with Two Jets in pp Collisions root s=13 TeV with the ATLAS Detector. In *Physical Review Letters*, 2019, vol. 123, no. 16, art. no. 161801. (2018: 9.227 - IF, Q1 - JCR, 3.571 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.123.161801>

Ohlasy:

1. [1.1] BALLESTRERO, A. - MAINA, E. - PELLICCIOLI, G. Different polarization definitions in same-sign WW scattering at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS
2. [1.1] DENNER, A. - FRANKEN, R. - PELLE, M. - SCHMIDT, T. NLO QCD and EW corrections to vector-boson scattering into ZZ at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 20 2020, no. 11., Registrované v: WOS
3. [1.1] CHAUDHARY, G. - KALINOWSKI, J. - KAUR, M. - KOZOW, P. - SANDEEP, K. - SZLEPER, M. - TKACZYK, S. EFT triangles in

the same-sign WW scattering process at the HL-LHC and HE-LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 27 2020, vol. 80, no. 3., Registrované v: WOS

4. [1.1] PELLEN, M. Exploring the scattering of vector bosons at LHCb. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 9 2020, vol. 101, no. 1., Registrované v: WOS

5. [1.1] SENJANOVIC, G. - TELLO, V. Disentangling the seesaw mechanism in the minimal left-right symmetric model. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 18 2019, vol. 100, no. 11., Registrované v: WOS

ADCA673 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Observation of Electroweak Single Top-Quark Production. In *Physical Review Letters*, 2009, vol. 103, no. 9, art. no. 092002. (2008: 7.180 - IF, Q1 - JCR, 6.194 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.103.092002>

Ohlasy:

1. [1.1] BOOS, E. E. - BRANDT, O. E. - DENISOV, D. S. - DENISOV, S. P. - GRANNIS, P. D. The top quark (20 years after its discovery). In PHYSICS-USPEKHI. ISSN 1063-7869, 2015, vol. 58, no. 12, pp. 1133-1158., Registrované v: WOS

2. [1.1] BRANDT, O. - GUTIERREZ, G. - WANG, M. H. L. S. - YE, Z. Acceleration of matrix element computations for precision measurements. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2015, vol. 775, pp. 27-33., Registrované v: WOS

3. [1.1] DENISOV, Dmitri - VELLIDIS, Costas. The TOP QUARK, 20 years after its discovery. In PHYSICS TODAY. ISSN 0031-9228, 2015, vol. 68, no. 4, pp. 46-52., Registrované v: WOS

ADCA674 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Observation of electroweak W(+/-)Z boson pair production in association with two jets in pp collisions at root s=13 TeV with the ATLAS detector. In *Physics Letters B*, 2019, vol. 793, p. 469-492. (2018: 4.162 - IF, Q2 - JCR, 1.806 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2019.05.012>

Ohlasy:

1. [1.1] BALLESTRERO, A. - MAINA, E. - PELLICCIOLI, G. Polarized vector boson scattering in the fully leptonic WZ and ZZ channels at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 11 2019, no. 9., Registrované v: WOS

2. [1.1] DENNER, A. - FRANKEN, R. - PELLEN, M. - SCHMIDT, T. NLO QCD and EW corrections to vector-boson scattering into ZZ at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 20 2020, no. 11., Registrované v: WOS

3. [1.1] FRANZOSI, D.B. - MATTELAER, O. - RUIZ, R. - SHIL, S. Automated predictions from polarized matrix elements. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 15 2020, no. 4., Registrované v:

WOS

4. [1.1] PELLEN, M. Exploring the scattering of vector bosons at LHCb. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 9 2020, vol. 101, no. 1., Registrované v: WOS

5. [1.1] REMMEN, G.N. - RODD, N.L. Consistency of the standard model effective field theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 4 2019, no. 12., Registrované v: WOS

ADCA675 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Observation of Exclusive Charmonium Production and gamma gamma - mu(+)mu(-) in p(p)over-bar Collisions at root s=1.96 TeV. In *Physical Review Letters*, 2009, vol. 102, no. 24, art. no. 242001. (2008: 7.180 - IF, Q1 - JCR, 6.194 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.102.242001>

Ohlasy:

1. [1.1] CISEK, Anna - SCHAEFER, Wolfgang - SZCZUREK, Antoni. Exclusive photoproduction of charmonia in gamma p> Vp and pp> pVp reactions within k(t)-factorization approach. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 159., Registrované v: WOS

2. [1.1] GONCALVES, V. P. - DA SILVEIRA, G. G. Probing the photon flux in the diffractive quarkonium photoproduction at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 054013., Registrované v: WOS

3. [1.1] GONCALVES, V. P. - MOREIRA, B. D. - NAVARRA, F. S. Exclusive Upsilon photoproduction in hadronic collisions at CERN LHC energies. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 742, pp. 172-177., Registrované v: WOS

4. [1.1] GONCALVES, V. P. - SAUTER, W. K. eta(c) production in photon-induced interactions at a fixed target experiment at LHC as a probe of the odderon. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 9, art. no. 094014., Registrované v: WOS

5. [1.1] GONCALVES, V. P. - SAUTER, W. K. Probing the dilaton in central exclusive processes at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 035004., Registrované v: WOS

6. [1.1] GUTIERREZ-RODRIGUEZ, A. - KOKSAL, M. - BILLUR, A. A. Improved bounds on the dipole moments of the tau neutrino from high-energy gamma*e(-) and gamma*gamma* collisions at the ILC and CLIC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 9, art. no. 093008., Registrované v: WOS

7. [1.1] HARLAND-LANG, L. A. - KHOZE, V. A. - RYSKIN, M. G. A perturbative approach to central exclusive production. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 8, art. no. 1542013., Registrované v: WOS

8. [1.1] INAN, S. C. Dimension-six anomalous tq gamma couplings in gamma gamma collision at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 897, pp. 289-301., Registrované v: WOS

9. [1.1] KOKSAL, M. - SENOL, A. Search for anomalous quartic WWZ gamma couplings at the future linear e(+)e(-) collider. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 20, art. no. 1550107., Registrované v: WOS

10. [1.1] RANGEL, M. S. DO diffractive summary. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 8, art. no. 1542002., Registrované v: WOS
11. [1.1] SAHIN, B. Search for the Anomalous tq gamma and tqH Couplings in gamma p Collision at the LHC. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 590397., Registrované v: WOS
12. [1.1] SAHIN, I. - KOKSAL, M. - INAN, S. C. - BILLUR, A. A. - SAHIN, B. - TEKTAS, P. - ALICI, E. - YILDIRIM, R. Graviton production through photon-quark scattering at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 035017., Registrované v: WOS
13. [1.1] SENOL, A. - KOKSAL, M. Probe of anomalous quartic WWZ gamma couplings in photon-photon collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 3, art. no. 139., Registrované v: WOS
14. [1.1] SENOL, A. - KOKSAL, M. Analysis of anomalous quartic W W Z gamma couplings in gamma p collision at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 742, pp. 143-148., Registrované v: WOS

ADCA676 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Observation of $H - b(b)\text{over-bar}$ decays and $V H$ production with the ATLAS detector. In *Physics Letters B*, 2018, vol. 786, p. 59-86. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.09.013>

Ohlasy:

1. [1.1] ABOUBRAHIM, Amin - NATH, Pran. Naturalness, the hyperbolic branch, and prospects for the observation of charged Higgs bosons at high luminosity LHC and 27 TeV LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095024., Registrované v: WOS
2. [1.1] AKEROYD, A. G. - MORETTI, Stefano - SONG, Muyuan. Light charged Higgs boson with dominant decay to quarks and its search at the LHC and future colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115024., Registrované v: WOS
3. [1.1] ALIOLI, S. - BROGGIO, A. - KALLWEIT, S. - LIM, M.A. - ROTTOLI, L. Higgsstrahlung at NNLL ' plus NNLO matched to parton showers in GENEVA. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 22 2019, vol. 100, no. 9., Registrované v: WOS
4. [1.1] ALTMANNSHOFER, W. - MADDOCK, B. - PROFUMO, S. Doubly blind spots in scalar dark matter models. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 23 2019, vol. 100, no. 5., Registrované v: WOS
5. [1.1] ALTMANNSHOFER, W. - MADDOCK, B. - TUCKLER, D. Rare top decays as probes of flavorful Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 8 2019, vol. 100, no. 1., Registrované v: WOS
6. [1.1] BOROWKA, S. - DUHR, C. - MALTONI, F. - PAGANI, D. - SHIVAJI, A. - ZHAO, X.R. Probing the scalar potential via double Higgs boson production at hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 2 2019, no. 4., Registrované v: WOS
7. [1.1] BREHMER, J. - DAWSON, S. - HOMILLER, S. - KLING, F. -

- PLEHN, T. Benchmarking simplified template cross sections in $W H$ production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 6 2019, no. 11., Registrované v: WOS
8. [1.1] COHEN, J. - BAR-SHALOM, S. - EILAM, G. - SONI, A. R-parity violating supersymmetry and the 125 GeV Higgs boson signals. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 31 2019, vol. 100, no. 11., Registrované v: WOS
9. [1.1] COYLE, N.M. - WAGNER, C.E.M. - WEI, V. Bounding the charm Yukawa coupling. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 24 2019, vol. 100, no. 7., Registrované v: WOS
10. [1.1] CULLEN, J.M. - PECJAK, B.D. - SCOTT, D.J. NLO corrections to $h \rightarrow b(b)\text{-over-bar}$ decay in SMEFT. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 29 2019, no. 8., Registrované v: WOS
11. [1.1] EGANA-UGRINOVIC, D. - HOMILLER, S. - MEADE, P. Higgs bosons with large couplings to light quarks. In PHYSICAL REVIEW D. ISSN 1550-7998, DEC 23 2019, vol. 100, no. 11., Registrované v: WOS
12. [1.1] FRASER, S. - GABRIELLI, E. - MARZO, C. - MARZOLA, L. - RAIDAL, M. Left-right supersymmetry as the origin of flavor structure. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 2 2019, vol. 100, no. 11., Registrované v: WOS
13. [1.1] FREITAS, F.F. - KHOSA, C.K. - SANZ, V. Exploring the standard model EFT in VH production with machine learning. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 30 2019, vol. 100, no. 3., Registrované v: WOS
14. [1.1] GHOSH, T. - GODBOLE, R. - TATA, X. Determining the spacetime structure of bottom-quark couplings to spin-zero particles. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 18 2019, vol. 100, no. 1., Registrované v: WOS
15. [1.1] GONCALVES, Dorival - NAKAMURA, Junya. Role of the Z polarization in the $H \rightarrow b(b)\text{-over-bar}$ measurement. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 093005., Registrované v: WOS
16. [1.1] GOULD, R. - GEHRMANN-DE RIDDER, A. - GLOVER, E.W.N. - HUSS, A. - MAJER, I. Associated production of a Higgs boson decaying into bottom quarks and a weak vector boson decaying leptonically at NNLO in QCD. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 3 2019, no. 10., Registrované v: WOS
17. [1.1] HAISCH, U. - HALA, A. Bounds on CP-violating Higgs-gluon interactions: the case of vanishing light-quark Yukawa couplings. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 21 2019, no. 11., Registrované v: WOS
18. [1.1] HALL, Zachary - THALER, Jesse. Photon isolation and jet substructure. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 164., Registrované v: WOS
19. [1.1] HOU, G.W.S. Perspectives and outlook from HEP window on the universe. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, JAN 20 2019, vol. 34, no. 2., Registrované v: WOS
20. [1.1] MODAK, T. Probing an additional bottom Yukawa coupling via $bg \rightarrow bA \rightarrow bZH$ signature. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 20 2019, vol. 100, no. 3., Registrované v: WOS

21. [1.1] MODAK, T. - SENAHA, E. Electroweak baryogenesis via bottom transport. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 18 2019, vol. 99, no. 11., Registrované v: WOS
22. [1.1] MONDINI, R. - WILLIAMS, C. H $\rightarrow b(b)\text{over-bar}j$ at next-to-next-to-leading order accuracy. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 24 2019, no. 6., Registrované v: WOS
23. [1.1] MURPHY, C.W. Class imbalance techniques for high energy physics. In SCIPOST PHYSICS. ISSN 2542-4653, DEC 2019, vol. 7, no. 6., Registrované v: WOS
24. [1.1] PASCOLI, S. - RUIZ, R. - WEILAND, C. Heavy neutrinos with dynamic jet vetoes: multilepton searches at $s=14, 27$, and 100 TeV. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 13 2019, no. 6., Registrované v: WOS
25. [1.1] PRIMO, A. - SASSO, G. - SOMOGYI, G. - TRAMONTANO, F. Exact top Yukawa corrections to Higgs boson decay into bottom quarks. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 19 2019, vol. 99, no. 5., Registrované v: WOS
26. [1.1] TUCHMING, Boris. Long-sought decay of the Higgs boson seen. In NATURE. ISSN 0028-0836, 2018, vol. 564, no. 7734, pp. 46-47., Registrované v: WOS
27. [1.1] TUNING, Niels. A machine of superlatives. In NATURE PHYSICS. ISSN 1745-2473, 2018, vol. 14, no. 12, pp. 1151-1153., Registrované v: WOS

ADCA677 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Observation of Higgs boson production in association with a top quark pair at the LHC with the ATLAS detector. In *Physics Letters B*, 2018, vol. 787, p. 173-191. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.07.035>

Ohlasy:

1. [1.1] AGUGLIARO, A. - CACCIAPAGLIA, G. - DEANDREA, A. - DE CURTIS, S. Vacuum misalignment and pattern of scalar masses in the SU(5)/SO(5) composite Higgs model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 14 2019, no. 2., Registrované v: WOS
2. [1.1] ALTMANNSHOFER, W. - MADDOCK, B. - PROFUMO, S. Doubly blind spots in scalar dark matter models. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 23 2019, vol. 100, no. 5., Registrované v: WOS
3. [1.1] ALTMANNSHOFER, W. - MADDOCK, B. - TUCKLER, D. Rare top decays as probes of flavorful Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 8 2019, vol. 100, no. 1., Registrované v: WOS
4. [1.1] ALVAREZ, E. - LAMAGNA, F. - SZEWC, M. Top model for four-top at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 9 2020, no. 1., Registrované v: WOS
5. [1.1] ARBUZOV, B.A. - ZAITSEV, I.V. Looking for nonperturbative effects of the electroweak interaction at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, MAR 30 2019, vol. 34, no. 9., Registrované v: WOS
6. [1.1] ARHRIB, A. - BENBRIK, R. - EL KACIMI, M. - RAHILI, L. -

- SEMLALI, S. Extended Higgs sector of 2HDM with real singlet facing LHC data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 2020, vol. 80, no. 1., Registrované v: WOS
7. [1.1] BABU, K.S. - JANA, S. Enhanced di-Higgs production in the two Higgs doublet model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 28 2019, no. 2., Registrované v: WOS
8. [1.1] BANERJEE, A. - BHATTACHARYYA, G. Probing the Higgs boson through Yukawa force. In NUCLEAR PHYSICS B. ISSN 0550-3213, DEC 2020, vol. 961., Registrované v: WOS
9. [1.1] BANFI, A. - DILLON, B.M. - KETAIAM, W. - KVEDARAITE, S. Composite Higgs at high transverse momentum. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 16 2020, no. 1., Registrované v: WOS
10. [1.1] BARGER, V. - HAGIWARA, K. - ZHENG, Y.J. Probing the top Yukawa coupling at the LHC via associated production of single top and Higgs. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 15 2020, no. 9., Registrované v: WOS
11. [1.1] BARMAN, R.K. - ENGLERT, C. - GONCALVES, D. - SPANNOVSKY, M. Di-Higgs resonance searches in weak boson fusion. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 17 2020, vol. 102, no. 5., Registrované v: WOS
12. [1.1] BEVILACQUA, G. - BI, H.Y. - HARTANTO, H.B. - KRAUS, M. - WOREK, M. The simplest of them all: $t\bar{t}W^{+/-}$ at NLO accuracy in QCD. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 10 2020, no. 8., Registrované v: WOS
13. [1.1] BIEKOTTER, A. - CORBETT, T. - PLEHN, T. The Gauge-Higgs legacy of the LHC run II. In SCIPOST PHYSICS. ISSN 2542-4653, JUN 2019, vol. 6, no. 6., Registrované v: WOS
14. [1.1] BRIVIO, I. - TROTT, M. The standard model as an effective field theory. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, FEB 27 2019, vol. 793, p. 1-98., Registrované v: WOS
15. [1.1] BROGGIO, A. - FERROGLIA, A. - FREDERIX, R. - PAGANI, D. - PECJAK, B.D. - TSINIKOS, I. Top-quark pair hadroproduction in association with a heavy boson at NLO plus NNLL including EW corrections. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 7 2019, no. 8., Registrované v: WOS
16. [1.1] BROWN, S. - ENGLERT, C. - GALLER, P. - STYLIANOU, P. Electroweak top couplings, partial compositeness, and top partner searches. In PHYSICAL REVIEW D. ISSN 1550-7998, OCT 19 2020, vol. 102, no. 7., Registrované v: WOS
17. [1.1] CACCIAPAGLIA, Giacomo - DEANDREA, Aldo - GAUR, Naveen - HARADA, Daisuke - OKADA, Yasuhiro - PANIZZU, Luca. The LHC potential of vector-like quark doublets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 055., Registrované v: WOS
18. [1.1] CRIADO, J.C. - PEREZ-VICTORIA, M. Vector-like quarks with non-renormalizable interactions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 10 2020, no. 1., Registrované v: WOS
19. [1.1] DENNER, A. - PELLICCIOLI, G. NLO QCD corrections to off-shell $t\bar{t}W^{+/-}$

- production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 13 2020, no. 11., Registrované v: WOS
20. [1.1] DEUTSCHMANN, N. - MALTONI, F. - WIESEMANN, M. - ZARO, M. Top-Yukawa contributions to bbH production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 10 2019, no. 7., Registrované v: WOS
21. [1.1] D'HONDT, Jorgen - MARIOTTI, Alberto - MIMASU, Ken - MOORTGAT, Seth - ZHANG, Cen. Learning to pinpoint effective operators at the LHC: a study of the $t(t)\text{over-bar}b(b)\text{over-bar}$ signature. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 131., Registrované v: WOS
22. [1.1] EGANA-UGRINOVIC, D. - HOMILLER, S. - MEADE, P. Higgs bosons with large couplings to light quarks. In PHYSICAL REVIEW D. ISSN 1550-7998, DEC 23 2019, vol. 100, no. 11., Registrované v: WOS
23. [1.1] FAROUGHY, D.A. - KAMENIK, J.F. - KOSNIK, N. - SMOLKOVIC, A. Probing the C P nature of the top quark Yukawa at hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 13 2020, no. 2., Registrované v: WOS
24. [1.1] FERREIRA, P.M. - SHER, M. Suppression of the Higgs boson dimuon decay. In PHYSICAL REVIEW D. ISSN 1550-7998, MAY 22 2020, vol. 101, no. 9., Registrované v: WOS
25. [1.1] FRANZOSI, D.B. - CACCIAPAGLIA, G. - DEANDREA, A. Sigma-assisted low scale composite Goldstone-Higgs. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 11 2020, vol. 80, no. 1., Registrované v: WOS
26. [1.1] FRASER, S. - GABRIELLI, E. - MARZO, C. - MARZOLA, L. - RAIDAL, M. Left-right supersymmetry as the origin of flavor structure. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 2 2019, vol. 100, no. 11., Registrované v: WOS
27. [1.1] GHOSH, T. - GODBOLE, R. - TATA, X. Determining the spacetime structure of bottom-quark couplings to spin-zero particles. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 18 2019, vol. 100, no. 1., Registrované v: WOS
28. [1.1] GOERTZ, F. - MADGE, E. - SCHWALLER, P. - TENORTH, V.T. Discovering the $h \rightarrow Z \gamma$ decay in $t(t)\text{over-bar}$ associated production. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 11 2020, vol. 102, no. 5., Registrované v: WOS
29. [1.1] HAISCH, U. - HALA, A. Bounds on CP-violating Higgs-gluon interactions: the case of vanishing light-quark Yukawa couplings. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 21 2019, no. 11., Registrované v: WOS
30. [1.1] HARTLAND, N.P. - MALTONI, F. - NOCERA, E.R. - ROJO, J. - SLADE, E. - VRYONIDOU, E. - ZHANG, C. A Monte Carlo global analysis of the Standard Model Effective Field Theory: the top quark sector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 15 2019, no. 4., Registrované v: WOS
31. [1.1] HENNING, B. - LOMBARDO, D. - RIEMBAU, M. - RIVA, F. Measuring Higgs Couplings without Higgs Bosons. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, OCT 29 2019, vol. 123, no. 18., Registrované v: WOS

32. [1.1] HOU, G.W.S. Perspectives and outlook from HEP window on the universe. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, JAN 20 2019, vol. 34, no. 2., Registrované v: WOS
33. [1.1] HOU, Wei-Shu - KOHDA, Masaya - MODAK, Tanmoy. Constraining a lighter exotic scalar via same-sign top. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 786, pp. 212-216., Registrované v: WOS
34. [1.1] HOU, Wei-Shu - KOHDA, Masaya - MODAK, Tanmoy. Probing for extra top Yukawa couplings in light of the $t\bar{t}$ observation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075007., Registrované v: WOS
35. [1.1] CHOI, J. - KIM, T.J. - LIM, J. - PARK, J. - RYOU, Y. - SONG, J. - YUN, S. Identification of Additional Jets in the $t\bar{t}b\bar{b}$ Events by Using Deep Neural Network. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, DEC 2020, vol. 77, no. 12, p. 1100-1106., Registrované v: WOS
36. [1.1] JU, W.L. - YANG, L.L. Resummation of soft and Coulomb corrections for $t\bar{t}$ production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 13 2019, no. 6., Registrované v: WOS
37. [1.1] KACHANOVICH, A. - NIERSTE, U. - NISANDZIC, I. Higgs boson decay into a lepton pair and a photon revisited. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 16 2020, vol. 101, no. 7., Registrované v: WOS
38. [1.1] KAWADA, S. - LIST, J. - BERGGREN, M. Prospects of measuring the branching fraction of the Higgs boson decaying into muon pairs at the International Linear Collider. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 2020, vol. 80, no. 12., Registrované v: WOS
39. [1.1] KULESZA, A. - MOTYKA, L. - SCHWARTLANDER, D. - STEBEL, T. - THEEUWES, V. TOP PRECISION FOR ASSOCIATED TOP-PAIR PRODUCTION PROCESSES AT THE LHC. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2020, vol. 51, no. 6, p. 1425-1436., Registrované v: WOS
40. [1.1] LANE, K. - SHEPHERD, W. Natural stabilization of the Higgs boson's mass and alignment. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 12 2019, vol. 99, no. 5., Registrované v: WOS
41. [1.1] LEONARDO, N. Flavor physics & beyond, a concluding overview. In XIII INTERNATIONAL CONFERENCE ON BEAUTY, CHARM AND HYPERON HADRONS (BEACH 2018). ISSN 1742-6588, 2019, vol. 1137., Registrované v: WOS
42. [1.1] LIAO, Q.L. - JIANG, J. Excited heavy quarkonium production in Higgs boson decays. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 10 2019, vol. 100, no. 5., Registrované v: WOS
43. [1.1] MAGRO, J. Search for four-top-quark production in the single-lepton and opposite-sign dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, MAR-JUN 2020, vol. 43, no. 2-3., Registrované v: WOS
44. [1.1] MA, K. Enhancing CP measurement of the Yukawa interactions of top-quark at e^+e^- collider. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2019, vol. 797., Registrované v: WOS
45. [1.1] MODAK, T. - ODA, K.Y. Echoes of 2HDM inflation at the collider experiments. In EUROPEAN PHYSICAL JOURNAL C. ISSN

- 1434-6044, SEP 19 2020, vol. 80, no. 9., Registrované v: WOS
46. [1.1] MODAK, T. - SENAHA, E. Electroweak baryogenesis via bottom transport. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 18 2019, vol. 99, no. 11., Registrované v: WOS
47. [1.1] MUNGO, D.P. Measurement of $t\bar{t}$ production cross section times branching ratio in the $\gamma\gamma$ decay channel with the full Run2 pp collision dataset collected by the ATLAS experiment at $\sqrt{s} = 13$ TeV. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, MAR-JUN 2020, vol. 43, no. 2-3., Registrované v: WOS
48. [1.1] PAGANI, D. - SHAO, H.S. - ZARO, M. $H\bar{b}(b)$: how other Higgs production modes conspire to kill a rare signal at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 10 2020, no. 11., Registrované v: WOS
49. [1.1] PAKTINAT, S. - REZAEI, Z. The LHC Drell-Yan measurements as a constraint for the noncommutative space-time. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, OCT 2019, vol. 46, no. 10., Registrované v: WOS
50. [1.1] PATRICK, R. - SCAFFIDI, A. - SHARMA, P. Top polarization as a probe of CP-mixing top-Higgs coupling in $t\bar{t}$ signals. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 20 2020, vol. 101, no. 9., Registrované v: WOS
51. [1.1] PRIMO, A. - SASSO, G. - SOMOGYI, G. - TRAMONTANO, F. Exact top Yukawa corrections to Higgs boson decay into bottom quarks. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 19 2019, vol. 99, no. 5., Registrované v: WOS
52. [1.1] REN, J. - WU, L. - YANG, J.M. Unveiling CP property of top-Higgs coupling with graph neural networks at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, MAR 10 2020, vol. 802., Registrované v: WOS
53. [1.1] SEPTIAN, N. - SUMOWIDAGDO, S. - PRIMULANDO, R. - MART, T. Performance of Top Kinematic Fit Algorithm on $t\bar{t}$ Events. In CONFERENCE ON THEORETICAL PHYSICS AND NONLINEAR PHENOMENA (CTPNP) 2019: EXCURSION FROM VACUUM TO CONDENSED MATTER. ISSN 0094-243X, 2020, vol. 2234., Registrované v: WOS
54. [1.1] TUCHMING, Boris. Long-sought decay of the Higgs boson seen. In NATURE. ISSN 0028-0836, 2018, vol. 564, no. 7734, pp. 46-47., Registrované v: WOS
55. [1.1] TUNING, Niels. A machine of superlatives. In NATURE PHYSICS. ISSN 1745-2473, 2018, vol. 14, no. 12, pp. 1151-1153., Registrované v: WOS
56. [1.1] ZIDI, Mohamed Sadek. NLO QCD corrections to single vector-like top partner production in association with top quark at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 123., Registrované v: WOS

ADCA678 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - ABED ABUD, A. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Observation of Light-by-Light Scattering in Ultraperipheral Pb plus Pb Collisions with the ATLAS Detector. In

Physical Review Letters, 2019, vol. 123, no. 5, art. no. 052001. (2018: 9.227 - IF, Q1 - JCR, 3.571 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na:
<https://doi.org/10.1103/PhysRevLett.123.052001>

Ohlasy:

1. [1.1] AZEVEDO, C. - GONCALVES, V.P. - MOREIRA, B.D. True muonium production in ultraperipheral PbPb collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, FEB 25 2020, vol. 101, no. 2., Registrované v: WOS
2. [1.1] BROZ, M. - CONTRERAS, J.G. - TAKAKI, J.D.T. A generator of forward neutrons for ultra-peripheral collisions: n(o)(o)n. In *COMPUTER PHYSICS COMMUNICATIONS*. ISSN 0010-4655, AUG 2020, vol. 253., Registrované v: WOS
3. [1.1] BRUCE, R. - D'ENTERRIA, D. - DE ROECK, A. - DREWES, M. - FARRAR, G.R. - GIAMMANCO, A. - GOULD, O. - HAJER, J. - HARLAND-LANG, L. - HEISIG, J. - JOWETT, J.M. - KABANA, S. - KRINTIRAS, G.K. - KORSMEIER, M. - LUCENTE, M. - MILHANO, G. - MUKHERJEE, S. - NIEDZIELA, J. - OKOROKOV, V.A. - RAJANTIE, A. - SCHAUMANN, M. New physics searches with heavy-ion collisions at the CERN Large Hadron Collider. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*. ISSN 0954-3899, JUN 2020, vol. 47, no. 6., Registrované v: WOS
4. [1.1] COELHO, R.O. - GONCALVES, V.P. - MARTINS, D.E. - RANGEL, M. Exclusive and diffractive $\gamma\gamma$ production in PbPb collisions at the LHC, HE-LHC and FCC. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, MAY 30 2020, vol. 80, no. 5., Registrované v: WOS
5. [1.1] CZARNECKI, A. - PICLUM, J. - SZAFRON, R. Logarithmically enhanced Euler-Heisenberg Lagrangian contribution to the electron gyromagnetic factor. In *PHYSICAL REVIEW A*. ISSN 2469-9926, NOV 11 2020, vol. 102, no. 5., Registrované v: WOS
6. [1.1] DAVIS, R. Scattering of light by light. In *IEEE INSTRUMENTATION & MEASUREMENT MAGAZINE*. ISSN 1094-6969, DEC 2019, vol. 22, no. 6, p. 60-+, Registrované v: WOS
7. [1.1] DREMIN, I.M. Ultraperipheral nuclear interactions. In *PHYSICS-USPEKHI*. ISSN 1063-7869, 2020, vol. 63, no. 8, p. 758-765., Registrované v: WOS
8. [1.1] EJLLI, A. - DELLA VALLE, F. - GASTALDI, U. - MESSINEO, G. - PENGIO, R. - RUOSO, G. - ZAVATTINI, G. The PVLAS experiment: A 25 year effort to measure vacuum magnetic birefringence. In *PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS*. ISSN 0370-1573, AUG 2 2020, vol. 871, p. 1-74., Registrované v: WOS
9. [1.1] GONCALVES, V.P. - MARTINS, D.E. - RANGEL, M.S. Diffractive gamma gamma production in pp collisions at the LHC. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, SEP 10 2020, vol. 80, no. 9., Registrované v: WOS
10. [1.1] HORVAT, R. - LATAS, D. - TRAMPETIC, J. - YOU, J. Light-by-light scattering and spacetime noncommutativity. In *PHYSICAL REVIEW D*. ISSN 1550-7998, MAY 27 2020, vol. 101, no. 9., Registrované v: WOS
11. [1.1] INAN, S.C. - KISSELEV, A.V. A search for axion-like particles in light-by-light scattering at the CLIC. In *JOURNAL OF HIGH ENERGY*

PHYSICS. ISSN 1029-8479, JUN 30 2020, no. 6., Registrované v: WOS
 12. [1.1] JEONG, T.M. - BULANOV, S.V. - SASOROV, P.V. - KORN, G. - KOGA, J.K. - BULANOV, S.S. Photon scattering by a 4 pi-spherically-focused ultrastrong electromagnetic wave. In PHYSICAL REVIEW A. ISSN 2469-9926, AUG 3 2020, vol. 102, no. 2., Registrované v: WOS
 13. [1.1] MURPHY, C.W. Dimension-8 operators in the Standard Model Effective Field Theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 27 2020, no. 10., Registrované v: WOS

ADCA679 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Observation of Long-Range Elliptic Azimuthal Anisotropies in root s=13 and 2.76 TeV pp Collisions with the ATLAS Detector. In *Physical Review Letters*, 2016, vol. 116, no. 17, art. no. 172301. (2015: 7.645 - IF, Q1 - JCR, 4.656 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.116.172301>

Ohlasy:

1. [1.1] AGOSTINI, P. - ALTINOLUK, T. - ARMESTO, N. Effect of non-eikonal corrections on azimuthal asymmetries in the color glass condensate. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 2019, vol. 79, no. 9., Registrované v: WOS
2. [1.1] AGOSTINI, P. - ALTINOLUK, T. - ARMESTO, N. Non-eikonal corrections to multi-particle production in the color glass condensate. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 16 2019, vol. 79, no. 7., Registrované v: WOS
3. [1.1] ALBACETE, Javier L. - PETERSEN, Hannah - SOTO-ONTOSO, Alba. Correlated wounded hot spots in proton-proton interactions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 064909., Registrované v: WOS
4. [1.1] ALBACETE, Javier L. - PETERSEN, Hannah - SOTO-ONTOSO, Alba. Symmetric cumulants as a probe of the proton substructure at LHC energies. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 778, pp. 128-136., Registrované v: WOS
5. [1.1] ALTINOLUK, Tolga - ARMESTO, Nestor - BEUF, Guillaume - KOVNER, Alex - LUBLINSKY, Michael. Quark correlations in the color glass condensate: Pauli blocking and the ridge. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034025., Registrované v: WOS
6. [1.1] ALTINOLUK, Tolga - ARMESTO, Nestor - KOVNER, Alex - LUBLINSKY, Michael. Double and triple inclusive gluon production at mid rapidity: quantum interference in p-A scattering. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 702., Registrované v: WOS
7. [1.1] ALTINOLUK, Tolga - ARMESTO, Nestor - WERTEPNY, Douglas E. Correlations and the ridge in the Color Glass Condensate beyond the glasma graph approximation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 207., Registrované v: WOS
8. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON

INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+.,
Registrované v: WOS

9. [1.1] BATISTA, R.A. - BITEAU, J. - BUSTAMANTE, M. -
DOLAG, K. - ENGEL, R. - FANG, K. - KAMPERT, K.H. - KOSTUNIN, D. -
MOSTAFA, M. - MURASE, K. - OIKONOMOU, F. - OLINTO, A.V. -
PANASYUK, M.I. - SIGL, G. - TAYLOR, A.M. - UNGER, M. Open Questions
in Cosmic-Ray Research at Ultrahigh Energies. In FRONTIERS IN
ASTRONOMY AND SPACE SCIENCES. ISSN 2296-987X, JUN 4 2019, vol.
6., Registrované v: WOS

10. [1.1] BLOK, Boris - JAKEL, Christian D. - STRIKMAN, Marj -
WIEDEMANN, Urs Achim. Collectivity from interference. In JOURNAL OF
HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 12, art. no. 074.,
Registrované v: WOS

11. [1.1] BOER, Daniel - VAN DAAL, Tom - MULDER, Piet J. -
PETRESKA, Elena. Directed flow from C-odd gluon correlations at small x. In
JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art.
no. 140., Registrované v: WOS

12. [1.1] BURKA, K. MEASUREMENTS OF FOURIER HARMONICS
OF AZIMUTHAL ANISOTROPY IN Pb plus Pb AND Xe plus Xe
COLLISIONS. In ACTA PHYSICA POLONICA B PROCEEDINGS
SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, p. 253-259.,
Registrované v: WOS

13. [1.1] BZDAK, Adam - DUSLING, Kevin. Saturation scale
fluctuations and multiparticle rapidity correlations. In PHYSICAL REVIEW C.
ISSN 2469-9985, 2016, vol. 94, no. 4, art. no. 044918., Registrované v: WOS

14. [1.1] CASALDERRY-SOLANA, Jorge - GULHAN, Doga Can -
MILHANO, Jose Guilherme - PABLOS, Daniel - RAJAGOPAL, Krishna.
Angular structure of jet quenching within a hybrid strong/weak coupling model.
In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art.
no. 135., Registrované v: WOS

15. [1.1] CELIBERTO, Francesco G. - IVANOV, Dmitry Yu. -
MURDACA, Beatrice - PAPA, Alessandro. Dihadron production at the LHC:
full next-to-leading BFKL calculation. In EUROPEAN PHYSICAL JOURNAL
C. ISSN 1434-6044, 2017, vol. 77, no. 6, art. no. 382., Registrované v: WOS

16. [1.1] CONNORS, Megan - NATTRASS, Christine - REED, Rosi -
SALUR, Sevil. Jet measurements in heavy ion physics. In REVIEWS OF
MODERN PHYSICS. ISSN 0034-6861, 2018, vol. 90, no. 2, art. no. 025005.,
Registrované v: WOS

17. [1.1] CUAUTLE FLORES, Eleazar. Are the collective phenomena a
universal feature of the hadronic matter created in p-p, p-A and A-A colliding
systems? In INTERNATIONAL JOURNAL OF MODERN PHYSICS
E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 7, art. no.
1642007., Registrované v: WOS

18. [1.1] DE SOUZA, R. Derradi. Identified particle production in pp
collisions at $\sqrt{s}=7$ and 13 TeV measured with ALICE. In 16TH
INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK
MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012071.,
Registrované v: WOS

19. [1.1] DEB, S. - SARWAR, G. - THAKUR, D. - PAVISH, S. -
SAHOO, R. - ALAM, J.E. Glauber model for a small system using the

anisotropic and inhomogeneous density profile of a proton. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 8 2020, vol. 101, no. 1., Registrované v: WOS

20. [1.1] DENICOL, Gabriel S. - NORONHA, Jorge. Analytical attractor and the divergence of the slow-roll expansion in relativistic hydrodynamics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 056021., Registrované v: WOS

21. [1.1] DI FRANCESCO, Philippe - GUILBAUD, Maxime - LUZUM, Matthew - OLLITRAULT, Jean-Yves. Systematic procedure for analyzing cumulants at any order. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 4, art. no. 044911., Registrované v: WOS

22. [1.1] DUNCAN, C.B. - SKANDS, P. Fragmentation of two repelling Lund strings. In SCIPOST PHYSICS. ISSN 2542-4653, MAY 2020, vol. 8, no. 5., Registrované v: WOS

23. [1.1] FERRERES-SOLE, Silvia - SJOSTRAND, Torbjorn. The space-time structure of hadronization in the Lund model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 11, art. no. 983., Registrované v: WOS

24. [1.1] FISCHER, Nadine - SJOSTRAND, Torbjorn. Thermodynamical string fragmentation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 1, art. no. 140., Registrované v: WOS

25. [1.1] GAJDOGOVA, Katarina. Investigations of anisotropic collectivity using multi-particle correlations in pp, p-Pb and Pb-Pb collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 437-440., Registrované v: WOS

26. [1.1] GAMBINI, Guillermo - TORRIERI, Giorgio. Azimuthal instabilities of the Gribov-Levin-Ryskin equation. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 1, art. no. 17., Registrované v: WOS

27. [1.1] GIACALONE, Giuliano - NORONHA-HOSTLER, Jacquelyn - OLLITRAULT, Jean-Yves. Relative flow fluctuations as a probe of initial state fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 5, art. no. 054910., Registrované v: WOS

28. [1.1] GOTSMAN, E. - LEVIN, E. - MAOR, U. CGC/saturation approach for high energy soft interactions: 'soft' Pomeron structure and $v(n)$ in hadron and nucleus collisions from Bose-Einstein correlations. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 11, art. no. 607., Registrované v: WOS

29. [1.1] GOTSMAN, E. - LEVIN, E. Azimuthal angle correlations at large rapidities: revisiting density variation mechanism. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 11, art. no. 773., Registrované v: WOS

30. [1.1] GOTSMAN, E. - LEVIN, E. Bose-Einstein correlations in perturbative QCD: $v(n)$ dependence on multiplicity. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074011., Registrované v: WOS

31. [1.1] GOTSMAN, E. - LEVIN, E. - POTASHNIKOVA, I. A. CGC/saturation approach for angular correlations in proton-proton scattering. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 632., Registrované v: WOS

32. [1.1] GOTSMAN, E. - LEVIN, E. Perturbative QCD and beyond:

- Azimuthal angle correlations in deuteron-deuteron scattering from Bose-Einstein correlations. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 014034., Registrované v: WOS
33. [1.1] GOTSMAN, E. - LEVIN, E. CGC/saturation approach: re-visiting the problem of odd harmonics in angular correlations. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 792., Registrované v: WOS
34. [1.1] GRACZYKOWSKI, Lukasz Kamil. SOFT QGP PROBES WITH ALICE. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 6, pp. 1473-1487., Registrované v: WOS
35. [1.1] HAGIWARA, Yoshikazu - HATTA, Yoshitaka - XIAO, Bo-Wen - YUAN, Feng. Elliptic flow in small systems due to elliptic gluon distributions? In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 771, pp. 374-378., Registrované v: WOS
36. [1.1] HEINZ, U. - MORELAND, J.S. Hydrodynamic flow in small systems or: "How the heck is it possible that a system emitting only a dozen particles can be described by fluid dynamics?". In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2018). ISSN 1742-6588, 2019, vol. 1271., Registrované v: WOS
37. [1.1] HUANG, Shengli. Collectivity and thermalization in p plus p, p plus A, d+Au and He-3+Au collisions. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012009., Registrované v: WOS
38. [1.1] HUNT-SMITH, N. - SKANDS, P. String fragmentation with a time-dependent tension. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2020, vol. 80, no. 11., Registrované v: WOS
39. [1.1] HU, Z. - LIU, T. - LEONARDO, N. T. - HAYTMYRADOV, M. Review of bottomonium measurements from CMS. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 19-20, art. no. 1730015., Registrované v: WOS
40. [1.1] CHAKRABORTY, P. - DASH, S. Understanding long-range near-side ridge correlations in p-p collisions using rope hadronization at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 11 2020, vol. 102, no. 5., Registrované v: WOS
41. [1.1] JACAZIO, Nicolo. Multiplicity dependence of light flavour hadrons in small systems with the ALICE experiment. In WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS (HOT QUARKS 2016). ISSN 1742-6588, 2017, vol. 832, art. no. UNSP 012019., Registrované v: WOS
42. [1.1] KAR, Somnath - CHOUDHURY, Subikash - MUHURI, Sanjib - GHOSH, Premomoy. Multiple parton interactions and production of charged particles up to the intermediate-p(T) range in high-multiplicity pp events at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 014016., Registrované v: WOS
43. [1.1] KAR, Somnath - CHOUDHURY, Subikash - SADHU, Samrangy - GHOSH, Premomoy. Centrality dependent long-range angular correlations of intermediate-p(T) D-mesons and charged particles in pPb collisions at the LHC energy. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 12, art. no. 125103., Registrované v: WOS

44. [1.1] KOLBE, I. - HOROWITZ, W.A. Short-path-length corrections to Djordjevic-Gyulassy-Levai-Vitev energy loss. In PHYSICAL REVIEW C. ISSN 2469-9985, AUG 26 2019, vol. 100, no. 2., Registrované v: WOS
45. [1.1] KOVNER, Alex - LUBLINSKY, Michael - SKOKOV, Vladimir. Exploring correlations in the CGC wave function: Odd azimuthal anisotropy. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 016010., Registrované v: WOS
46. [1.1] KURKELA, Aleksí - WIEDEMANN, Urs Achim - WU, Bin. Nearly isentropic flow at sizeable η/s . In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 274-279., Registrované v: WOS
47. [1.1] LI, Wei. Collective flow from AA, pA to pp collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 59-66., Registrované v: WOS
48. [1.1] LOIZIDES, C. Glauber modeling of high-energy nuclear collisions at the subnucleon level. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024914., Registrované v: WOS
49. [1.1] MOGLIACCI, S. - KOLBE, I. - HOROWITZ, W.A. Geometrically confined thermal field theory: Finite size corrections and phase transitions. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 23 2020, vol. 102, no. 11., Registrované v: WOS
50. [1.1] MONDAL, M. - MONDAL, J. - KAR, S. - DEB, A. - GHOSH, P. Forward-backward multiplicity and momentum correlations in pp collisions at LHC energies. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 21 2020, vol. 102, no. 1., Registrované v: WOS
51. [1.1] MORALES, Yasser Corrales. Identified hadron production in pp collisions measured with ALICE. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC. ISSN 1742-6588, 2017, vol. 878, art. no. UNSP 012005., Registrované v: WOS
52. [1.1] MORREALE, A. Nuclear Physics at the Energy Frontier: Recent Heavy Ion Results from the Perspective of the Electron Ion Collider. In UNIVERSE. ISSN 2218-1997, MAY 2019, vol. 5, no. 5., Registrované v: WOS
53. [1.1] NAGLE, James L. - ZAJC, William A. Small System Collectivity in Relativistic Hadronic and Nuclear Collisions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 68. ISSN 0163-8998, 2018, vol. 68, pp. 211-235., Registrované v: WOS
54. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS
55. [1.1] NAYAK, Kishora. Light Flavor Hadron Production as a Function of Multiplicity in pp Collisions at $\sqrt{s}=7$ TeV Measured with ALICE. In XXII DAE HIGH ENERGY PHYSICS SYMPOSIUM. ISSN 0930-8989, 2018, vol. 203, pp. 357-359., Registrované v: WOS
56. [1.1] NAYAK, R. - PAL, S. - DASH, S. Effect of rope hadronization on strangeness enhancement in p-p collisions at LHC energies. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 21 2019, vol. 100, no. 7., Registrované v: WOS
57. [1.1] NORONHA-HOSTLER, Jacquelyn - BETZ, Barbara - GYULASSY, Miklos - LUZUM, Matthew - NORONHA, Jorge - PORTILLO, Israel - RATTI, Claudia. Cumulants and nonlinear response of high $p(T)$

harmonic flow at root s(NN)=5.02 TeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 4, art. no. 044901., Registrované v: WOS

58. [1.1] OHLSON, Alice. Collective behavior in small systems. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 97-104., Registrované v: WOS

59. [1.1] OKOROKOV, V. A. Geometry and Space-Time Extent of Pion Emission Region at FCC Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 5972709., Registrované v: WOS

60. [1.1] PASECHNIK, Roman - SUMBERA, Michal. Phenomenological Review on Quark-Gluon Plasma: Concepts vs. Observations. In UNIVERSE. ISSN 2218-1997, 2017, vol. 3, no. 1, art. no. UNSP 7., Registrované v: WOS

61. [1.1] POP, V. Topor - PETROVICI, M. Multiplicity-dependent p(T) distributions of identified particles in pp collisions at 7 TeV within the HIJING/B(B)over-bar v2.0 model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 6, art. no. 064903., Registrované v: WOS

62. [1.1] REICHELT, Daniel - RICHARDSON, Peter - SIODMOK, Andrzej. Improving the simulation of quark and gluon jets with Herwig 7. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 876., Registrované v: WOS

63. [1.1] ROMATSCHKE, Paul. Relativistic Fluid Dynamics Far From Local Equilibrium. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 1, art. no. 012301., Registrované v: WOS

64. [1.1] RU, P. - ZHANG, W.N. Long-range azimuthal correlations for partially coherent pion emission in proton-proton collisions. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS

65. [1.1] SADHU, S. - GHOSH, P. Anomalous features of particle production in high-multiplicity events of pp collisions at the LHC energies. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 22 2019, vol. 99, no. 3., Registrované v: WOS

66. [1.1] SARKAR, Nachiketa - GHOSH, Premomoy. Thermalization in a small hadron gas system and high-multiplicity pp events. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 4, art. no. 044901., Registrované v: WOS

67. [1.1] SARKAR, Nachiketa - GHOSH, Premomoy. The eta/s of the LQCD-EoS complied hadron gas of different sizes approach common minimum near the crossover temperature. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 11, art. no. 194., Registrované v: WOS

68. [1.1] SHEN, Chun - PAQUET, Jean-Francois - DENICOL, Gabriel S. - JEON, Sangyong - GALE, Charles. Collectivity and electromagnetic radiation in small systems. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 1, art. no. 014906., Registrované v: WOS

69. [1.1] SCHENKE, Bjoern - SCHLICHTING, Soeren - TRIBEDY, Prithwish - VENUGOPALAN, Raju. Mass Ordering of Spectra from Fragmentation of Saturated Gluon States in High-Multiplicity Proton-Proton Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 117, no. 16, art. no. 162301., Registrované v: WOS

70. [1.1] SCHLICHTING, Soeren - TRIBEDY, Prithwish. Collectivity in Small Collision Systems: An Initial-State Perspective. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 8460349., Registrované v: WOS

71. [1.1] SJOSTRAND, T. Collective Effects: the viewpoint of HEP MC codes. In NUCLEAR PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 43-49., Registrované v: WOS
72. [1.1] SJOSTRAND, T. - UTHEIM, M. A framework for hadronic rescattering in pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 1 2020, vol. 80, no. 10., Registrované v: WOS
73. [1.1] SONG, Huichao - ZHOU, You - GAJDOSOVA, Katarina. Collective flow and hydrodynamics in large and small systems at the LHC. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2017, vol. 28, no. 7, art. no. 99., Registrované v: WOS
74. [1.1] TLUSTY, D. STAR Heavy-ion results. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, NOV 2020, vol. 29, no. 11, SI., Registrované v: WOS
75. [1.1] VELKOVSKA, Julia. PHENIX results on elliptic and triangular flow in d plus Au collisions from 19.6 to 200 GeV. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 353-356., Registrované v: WOS
76. [1.1] WELSH, Kevin - SINGER, Jordan - HEINZ, Ulrich. Initial-state fluctuations in collisions between light and heavy ions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024919., Registrované v: WOS
77. [1.1] ZHANG, S. - MA, Y.G. - MA, G.L. - CHEN, J.H. - SHOU, Q.Y. - HE, W.B. - ZHONG, C. Collision system size scan of collective flows in relativistic heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, MAY 10 2020, vol. 804., Registrované v: WOS
78. [1.1] ZHANG, Y. - YANG, J. - WU, W.H. Squeezed back-to-back correlations of K⁺ K⁻ in d + Au collisions at root S-NN=200 GeV and Au plus Au collisions at root S-NN = 62.4 GeV. In CHINESE PHYSICS C. ISSN 1674-1137, JUL 2019, vol. 43, no. 7., Registrované v: WOS
79. [1.1] ZHAO, Wenbin - ZHOU, You - XU, Hao-jie - DENG, Weitian - SONG, Huichao. Hydrodynamic collectivity in proton-proton collisions at 13 TeV. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 780, pp. 495-500., Registrované v: WOS
80. [1.1] ZHAO, W.B. - ZHOU, Y. - MURASE, K. - SONG, H.C. Searching for small droplets of hydrodynamic fluid in proton-proton collisions at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 12 2020, vol. 80, no. 9., Registrované v: WOS

ADCA680 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Observation of New Charmless Decays of Bottom Hadrons. In *Physical Review Letters*, 2009, vol. 103, no. 3, art. no. 031801. (2008: 7.180 - IF, Q1 - JCR, 6.194 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.103.031801>

Ohlasy:

1. [1.1] HE, Min - HE, Xiao-Gang - LI, Guan-Nan. CP-violating polarization asymmetry in charmless two-body decays of beauty baryons. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 036010., Registrované v: WOS
2. [1.1] HE, Xiao-Gang - LI, Guan-Nan. Predictive CP violating relations for charmless two-body decays of beauty baryons $\Xi(-,0)(b)$ and $\Lambda b(0)(b)$ with flavor SU(3) symmetry. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 750, pp. 82-88., Registrované v: WOS

3. [1.1] HSIAO, Y. K. - GENG, C. Q. Direct CP violation in Lambda(b) decays. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 116007., Registrované v: WOS
4. [1.1] LIU, Yao-Bei - XIAO, Zhen-Jun. Single Higgs boson production at the ILC in the left-right twin Higgs model. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*. ISSN 0954-3899, 2015, vol. 42, no. 6, art. no. 065005., Registrované v: WOS
5. [1.1] LIU, Yao-Bei - XIAO, Zhen-Jun. The production and decay of the top partner T in the left-right twin Higgs model at the ILC and CLIC. In *NUCLEAR PHYSICS B*. ISSN 0550-3213, 2015, vol. 892, pp. 63-82., Registrované v: WOS

ADCA681 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Observation of orbitally excited B(s) mesons. In *Physical Review Letters*, 2008, vol. 100, no. 8, art. no. 082001. (2007: 6.944 - IF, Q1 - JCR, 5.950 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.100.082001>

Ohlasy:

1. [1.1] ALIEV, T. M. - BARAKAT, T. - SAVCI, M. Magnetic dipole moments of the heavy tensor mesons in QCD. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2015, vol. 75, no. 11, art. no. 524., Registrované v: WOS
2. [1.1] CHEN, Bing - LIU, Xiang - ZHANG, Ailin. Combined study of 2S and 1D open-charm mesons with natural spin-parity. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 034005., Registrované v: WOS
3. [1.1] LANG, C. B. - MOHLER, Daniel - PRELOVSEK, Sasa - WOLOSCHYN, R. M. Predicting positive parity B-s mesons from lattice QCD. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2015, vol. 750, pp. 17-21., Registrované v: WOS

ADCA682 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Observation of single top quark production and measurement of vertical bar V-tb vertical bar with CDF. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2010, vol. 82, no. 11, art. no. 112005. (2009: 4.922 - IF, 2.792 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.82.112005>

Ohlasy:

1. [1.1] ALVES, Alexandre - SINHA, Kuver. Searches for dark matter at the LHC: A multivariate analysis in the mono-Z channel. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 115013., Registrované v: WOS
2. [1.1] BOOS, E. E. - BRANDT, O. E. - DENISOV, D. S. - DENISOV, S. P. - GRANNIS, P. D. The top quark (20 years after its discovery). In *PHYSICS-USPEKHI*. ISSN 1063-7869, 2015, vol. 58, no. 12, pp. 1133-1158., Registrované v: WOS
3. [1.1] DENISOV, Dmitri - VELLIDIS, Costas. The TOP QUARK, 20 years after its discovery. In *PHYSICS TODAY*. ISSN 0031-9228, 2015, vol. 68, no. 4, pp. 46-52., Registrované v: WOS

ADCA683 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Observation of Spin Correlation in $t(t)$ -bar Events from pp Collisions at $\sqrt{s}=7$ TeV Using the ATLAS Detector. In *Physical Review Letters*, 2012, vol. 108, no. 21, art. no. 212001. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.108.212001>

Ohlasy:

1. [1.1] ABDALLAH, W. - HAMMAD, A. - KASEM, A. - KHALIL, S. Long-lived B L symmetric SSM particles at the LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095019., Registrované v: WOS
2. [1.1] ABOUBRAHIM, A. - NATH, P. Detecting hidden sector dark matter at HL-LHC and HE-LHC via long-lived stau decays. In *PHYSICAL REVIEW D*. ISSN 2470-0010, MAR 27 2019, vol. 99, no. 5., Registrované v: WOS
3. [1.1] AN, Haipeng - GU, Jiayin - WANG, Lian-Tao. Exploring the nearly degenerate stop region with sbottom decays. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2017, no. 4, art. no. 084., Registrované v: WOS
4. [1.1] AN, Haipeng - WANG, Lian-Tao. Opening Up the Compressed Region of Top Squark Searches at 13 TeV LHC. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2015, vol. 115, no. 18, art. no. 181602., Registrované v: WOS
5. [1.1] BADALIAN, A.M. - BAKKER, B.L.G. Radial and orbital Regge trajectories in heavy quarkonia. In *PHYSICAL REVIEW D*. ISSN 2470-0010, SEP 26 2019, vol. 100, no. 5., Registrované v: WOS
6. [1.1] BARDAN, A.S. - KUBRAK-KISZA, M. - KISZA, K.J. - NANAVATY, M.A. Impact of classifying keratoconus location based on keratometry or pachymetry on progression parameters. In *CLINICAL AND EXPERIMENTAL OPTOMETRY*. ISSN 0816-4622, MAY 2020, vol. 103, no. 3, p. 312-319., Registrované v: WOS
7. [1.1] BATOZSKAYA, Varvara. DETERMINATION OF THE CP-VIOLATING PHASE $\phi(s)$ IN $B \rightarrow J/\psi \phi$ DECAYS. In *ACTA PHYSICA POLONICA B*. ISSN 0587-4254, 2016, vol. 47, no. 6, pp. 1611-1617., Registrované v: WOS
8. [1.1] BAZAVOV, A. - BERNARD, C. - BOUCHARD, C. M. - CHANG, C. C. - DETAR, C. - DU, Daping - EL-KHADRA, A. X. - FREELAND, E. D. - GAMIZ, E. - GOTTLIEB, Steven - HELLER, U. M. - KRONFELD, A. S. - LAIHO, J. - MACKENZIE, P. B. - NEIL, E. T. - SIMONE, J. - SUGAR, R. - TOUSSAINT, D. - VAN DE WATER, R. S. - ZHOU, Ran. $B(s)(0)$ -mixing matrix elements from lattice QCD for the Standard Model. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 113016., Registrované v: WOS
9. [1.1] BERNREUTHER, Werner - HEISLER, Dennis - SI, Zong-Guo. A set of top quark spin correlation and polarization observables for the LHC: Standard Model predictions and new physics contributions. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2015, no. 12, art. no. 026., Registrované v: WOS
10. [1.1] BERNREUTHER, Werner - UWER, Peter. Top-quark physics at colliders. In *NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS*. ISSN

- 2405-6014, 2015, vol. 261, pp. 414-442., Registrované v: WOS
11. [1.1] BESPROSVANY, J. - ROMERO, R. Heavy quarks within the electroweak multiplet. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 2 2019, vol. 99, no. 7., Registrované v: WOS
 12. [1.1] BHATTACHARYA, B. - GRANT, C.M. - PETROV, A.A. Invisible widths of heavy mesons. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 24 2019, vol. 99, no. 9., Registrované v: WOS
 13. [1.1] BIINO, C. CMS quarkonium Production at 13 TeV. In XIII INTERNATIONAL CONFERENCE ON BEAUTY, CHARM AND HYPERON HADRONS (BEACH 2018). ISSN 1742-6588, 2019, vol. 1137., Registrované v: WOS
 14. [1.1] BISWAS, Sanjoy - FREDERIX, Rikkert - GABRIELLI, Emidio - MELE, Barbara. Enhancing the ttH signal through topquark spin polarization effects at the LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 721-726., Registrované v: WOS
 15. [1.1] BOUDJEMA, Fawzi - GUADAGNOLI, Diego - GODBOLE, Rohini M. - MOHAN, Kirtimaan A. Laboratory-frame observables for probing the top-Higgs boson interaction. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 1, art. no. 015019., Registrované v: WOS
 16. [1.1] CORDERO, F. Febres - HOFMANN, P. - ITA, H. W+W-+3-jet production at the Large Hadron Collider in next-to-leading-order QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034006., Registrované v: WOS
 17. [1.1] DE BOER, Stefan - HILLER, Gudrun. Null tests from angular distributions in $D \rightarrow P(1)P(2)l(+)l(-)$, $l = e, \mu$ decays on and off peak. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035041., Registrované v: WOS
 18. [1.1] DERCKS, D. - DREINER, H.K. - HIRSCH, M. - WANG, Z.S. Long-lived fermions at AL3X. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 15 2019, vol. 99, no. 5., Registrované v: WOS
 19. [1.1] DERKACH, Denis. Measurements of CP violation in multibody charm decays. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 1382-1386., Registrované v: WOS
 20. [1.1] FERRETTI, J. - SANTOPINTO, E. Open-flavor strong decays of open-charm and open-bottom mesons in the P-3(0) model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 114020., Registrované v: WOS
 21. [1.1] FERRETTI, J. - SANTOPINTO, E. Threshold corrections of $\chi(c)(2P)$ and $\chi(b)(3P)$ states and J/ψ ρ and J/ψ ω transitions of the X(3872) in a coupled-channel model. In PHYSICS LETTERS B. ISSN 0370-2693, FEB 10 2019, vol. 789, p. 550-555., Registrované v: WOS
 22. [1.1] FLEISCHER, Robert - JAARSMA, Ruben - VOS, K. Keri. New strategy to explore CP violation with $B_s(0) \rightarrow K^- K^+$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 113014., Registrované v: WOS
 23. [1.1] FLEISCHER, Robert - JAARSMA, Ruben - MALAMI, Eleftheria - VOS, K. Keri. Exploring $B \rightarrow \pi \pi, \pi K$ decays at the high- precision frontier. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 11, art. no. 943., Registrované v: WOS
 24. [1.1] GERSHON, Tim - LATHAM, Thomas - COUTINHO, Rafael

- Silva. Probing CP violation in $B\text{-}s(0) \rightarrow K\text{-}s(0)\pi^{(+)}\pi^{(-)}$ decays. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 1417-1422., Registrované v: WOS
25. [1.1] GUADAGNOLI, Diego. Flavor anomalies on the eve of the Run-2 verdict. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2017, vol. 32, no. 7, art. no. 1730006., Registrované v: WOS
26. [1.1] GUADAGNOLI, Diego. Strategies for Lepton Flavor Violation detection in B decays. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 285, pp. 87-92., Registrované v: WOS
27. [1.1] GUADAGNOLI, D. Flavor physics: Precision as an avenue to discovery. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, JAN 10 2020, vol. 35, no. 1., Registrované v: WOS
28. [1.1] HARNEW, Neville. Future flavour physics experiments. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2016, vol. 528, no. 1-2, pp. 102-107., Registrované v: WOS
29. [1.1] HE, Xiao-Gang - WANG, Wei. Flavor SU (3) topological diagram and irreducible representation amplitudes for heavy meson charmless hadronic decays: mismatch and equivalence. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 10, art. no. 103108., Registrované v: WOS
30. [1.1] HOU, G.W.S. Perspectives and outlook from HEP window on the universe. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, JAN 20 2019, vol. 34, no. 2., Registrované v: WOS
31. [1.1] CHANG, Qin - CHEN, Li-Li - XU, Shuai. Study of $B\text{-}c \rightarrow J/\psi V$ and $B^{*}(c) \rightarrow \eta V\text{-}c$ decays within the QCD factorization. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 7, art. no. 075005., Registrované v: WOS
32. [1.1] CHARLES, Jerome - DESCOTES-GENON, Sebastien - NIESS, Valentin - SILVA, Luiz Vale. Modeling theoretical uncertainties in phenomenological analyses for particle physics. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 4, art. no. 214., Registrované v: WOS
33. [1.1] CHARLES, J. - DESCHAMPS, O. - DESCOTES-GENON, S. - NIESS, V. Isospin analysis of charmless B-meson decays. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 8, art. no. 574., Registrované v: WOS
34. [1.1] CHEN, B. - ZHANG, A.L. - HE, J. Bottomonium spectrum in the relativistic flux tube model. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 27 2020, vol. 101, no. 1., Registrované v: WOS
35. [1.1] JANA, Sudip - OKADA, Nobuchika - RAUT, Digesh. Displaced vertex signature of type-I seesaw model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035023., Registrované v: WOS
36. [1.1] JOSHI, Kiran. Jet Vetoing in Top-Antitop Events. In QCD RADIATION IN TOP-ANTITOP AND Z+JETS FINAL STATES: PRECISION MEASUREMENTS AT ATLAS. ISSN 2190-5053, 2015, pp. 63-101., Registrované v: WOS
37. [1.1] KALDAMAE, L. - GROOTE, S. - KOERNER, J. G. Analytical $O(\alpha(S))$ corrections to the beam frame double-spin density matrix elements of $e^{(+)}e^{(-)} \rightarrow t\bar{t}$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 114003., Registrované v: WOS

38. [1.1] KALLWEIT, Stefan - WIESEMANN, Marius. ZZ production at the LHC: NNLO predictions for $2l2\nu$ and $4l$ signatures. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 786, pp. 382-389., Registrované v: WOS
39. [1.1] KARLINER, Marek - ROSNER, Jonathan L. - SKWARNICKI, Tomasz. Multiquark States. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 68. ISSN 0163-8998, 2018, vol. 68, pp. 17-44., Registrované v: WOS
40. [1.1] KARLINER, Marek. Pentaquarks and doubly heavy exotic mesons. In MESON 2016 14TH INTERNATIONAL WORKSHOP ON MESON PRODUCTION, PROPERTIES AND INTERACTION. ISSN 2100-014X, 2016, vol. 130, art. no. UNSP 01003., Registrované v: WOS
41. [1.1] LANSBERG, J.P. New observables in inclusive production of quarkonia. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, DEC 20 2020, vol. 889, p. 1-106., Registrované v: WOS
42. [1.1] LEBED, Richard F. - MITCHELL, Ryan E. - SWANSON, Eric S. Heavy-quark QCD exotica. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 93, pp. 143-194., Registrované v: WOS
43. [1.1] LI, Ya - MA, Ai-Jun - RUI, Zhou - XIAO, Zhen-Jun. Quasi-two-body decays $B \rightarrow \eta(c)(1S, 2S) [\rho(770), \rho(1450), \rho(1700)] \pi \pi$ in the perturbative QCD approach. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 924, pp. 745-758., Registrované v: WOS
44. [1.1] LI, Ya - MA, Ai-Jun - WANG, Wen-Fei - XIAO, Zhen-Jun. Quasi-two-body decays $B(s) \rightarrow P \rho'(1450), P \rho''(1700) \pi \pi$ in the perturbative QCD approach. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 036014., Registrované v: WOS
45. [1.1] LI, Y. - WANG, W.F. - MA, A.J. - XIAO, Z.J. Quasi-two-body decays $B(s)K(892)hKh$ in perturbative QCD approach. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 17 2019, vol. 79, no. 1., Registrované v: WOS
46. [1.1] LUSIANI, Alberto. Dark sector and Light New Physics searches in BABAR. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 287, pp. 189-194., Registrované v: WOS
47. [1.1] MATHUR, Nilmani - PADMANATH, M. - MONDAL, Sourav. Precise Predictions of Charmed-Bottom Hadrons from Lattice QCD. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 20, art. no. 202002., Registrované v: WOS
48. [1.1] MA, Kai. Asymmetry observables for measuring spin correlations in top-quark pair production. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 071501., Registrované v: WOS
49. [1.1] MOYOTL, A. New sources of CP violation. In 31ST ANNUAL MEETING OF THE DIVISION OF PARTICLES AND FIELDS (DPYC) OF THE MEXICAN PHYSICAL SOCIETY. ISSN 1742-6588, 2017, vol. 912, art. no. 012019., Registrované v: WOS
50. [1.1] OSET, E. - NAVARRA, F. - NIELSEN, M. - SEKIHARA, T. Semileptonic B-s and B Decays Testing the Molecular Nature of $D-s_0^*(2317)$ and $D-0^*(2400)$. In XVITH INTERNATIONAL CONFERENCE ON HADRON SPECTROSCOPY (HADRON2015). ISSN 0094-243X, 2016, vol. 1735, art. no. 050017., Registrované v: WOS
51. [1.1] RAMA, Matteo. Measurement of strong phases, $D-(D)\text{over-bar}$

- mixing, and CP violation using quantum correlation at charm threshold. In FRONTIERS OF PHYSICS. ISSN 2095-0462, 2016, vol. 11, no. 1, art. no. 111404., Registrované v: WOS
52. [1.1] ROY, S. - SINHA, R. - DESHPANDE, N.G. Nonleptonic beauty baryon decays and CP asymmetries based on an SU(3)-flavor analysis. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 20 2020, vol. 101, no. 3., Registrované v: WOS
53. [1.1] SALA, F. epsilon(K) in the Standard Model and the kaon phase conventions. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2016, vol. 39, no. 4, art. no. 323., Registrované v: WOS
54. [1.1] SANGRITHI, Mahesh N. - TURNER, James M. A. Mammalian X Chromosome Dosage Compensation: Perspectives From the Germ Line. In BIOESSAYS. ISSN 0265-9247, 2018, vol. 40, no. 6, art. no. 1800024., Registrované v: WOS
55. [1.1] SHI, Yu-Ji - WANG, Wei - ZHAO, Shuai. Chiral dynamics, S-wave contributions and angular analysis in $D \rightarrow \pi \pi l(\nu)\overline{\text{bar}}$. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 7, art. no. 452., Registrované v: WOS
56. [1.1] STEINKAMP, Olaf. The upstream tracker for the LHCb upgrade. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2016, vol. 831, pp. 367-369., Registrované v: WOS
57. [1.1] WANG, Wei. Search for the $a(0)(980)$ - $f(0)(980)$ mixing in weak decays of DS/BS mesons. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 759, pp. 501-506., Registrované v: WOS
58. [1.1] WOLSCHIN, G. Bottomonium spectroscopy in the quark-gluon plasma. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, OCT 20 2020, vol. 35, no. 29., Registrované v: WOS
59. [1.1] ZHOU, Si-Hong - ZHANG, Qi-An - LYU, Wei-Ran - LU, Cai-Dian. Analysis of charmless two-body B decays in factorization-assisted topological-amplitude approach. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 2, art. no. 125., Registrované v: WOS
60. [1.1] ZWANE, Nosiphiwo. Long-lived particle searches in R-parity violating MSSM. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 10, art. no. 105003., Registrované v: WOS

ADCA684 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Observation of s-channel Production of Single Top Quarks at the Tevatron. In *Physical Review Letters*, 2014, vol. 112, no. 23, art. no. 231803. (2013: 7.728 - IF, Q1 - JCR, 5.674 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.112.231803>

Ohlasy:

1. [1.1] DEL DUCA, Vittorio - LAENEN, Eric. Top physics at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 35, art. no. 1530063., Registrované v: WOS
2. [1.1] ROMERO AGUILAR, R. - BOUZAS, Antonio O. - LARIOS,

F. Limits on the anomalous $W_{\tau q}$ couplings. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 114009., Registrované v: WOS

ADCA685 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Observation of the Baryonic Flavor-Changing Neutral Current Decay $\Lambda(0)(b) - \Lambda b \mu^{+}\mu^{-}$. In *Physical Review Letters*, 2011, vol. 107, no. 20, art. no. 201802. (2010: 7.622 - IF, Q1 - JCR, 6.450 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.107.201802>

Ohlasy:

1. [1.1] BLAKE, T. - GERSHON, T. - HILLER, G. Rare b Hadron Decays at the LHC. In *ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE*, VOL 65. ISSN 0163-8998, 2015, vol. 65, pp. 113-143., Registrované v: WOS
2. [1.1] MOTT, L. - ROBERTS, W. Lepton polarization asymmetries for FCNC decays of the $\Lambda(b)$ baryon. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2015, vol. 30, no. 27, art. no. 1550172., Registrované v: WOS
3. [1.1] PARACHA, M. Ali - AHMED, Ishtiaq - ASLAM, M. Jamil. Imprints of CP-violation asymmetries in rare $\Lambda(b) \rightarrow \Lambda l^{+}l^{-}$ decay in a family non-universal Z' model. In *Progress of Theoretical and Experimental Physics*. ISSN 2050-3911, 2015, no. 3, art. no. 033B04., Registrované v: WOS

ADCA686 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Observation of the decay $B(c)(+/-) - J/\psi \pi(+/-)$ and measurement of the $B(c)(+/-)$ mass. In *Physical Review Letters*, 2008, vol. 100, no. 18, art. no. 182002. (2007: 6.944 - IF, Q1 - JCR, 5.950 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.100.182002>

Ohlasy:

1. [1.1] KARLINER, Marek. From $\Omega(-)$ to $\Omega(b)$, doubly heavy baryons and exotics. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2015, vol. 30, no. 1, art. no. 1530007., Registrované v: WOS
2. [1.1] KARLINER, Marek. Heavy exotic quarkonia and doubly heavy baryons. In *DARK MATTER, HADRON PHYSICS AND FUSION PHYSICS*. ISSN 2100-014X, 2015, vol. 96, art. no. 01019., Registrované v: WOS

ADCA687 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Observation of the Ω_b and Measurement of the Properties of the Ξ_b and Ω_b (CDF Collaboration). In *Physical Review D. Particles, fields, gravitation and cosmology*, 2009, vol. 80, no. 7, art. no. 072003. (2008: 5.050 - IF, Q1 - JCR, 2.920 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.80.072003>

Ohlasy:

1. [1.1] GALANTI, Mario - GIAMMANCO, Andrea - GROSSMAN, Yuval - KATS, Yevgeny - STAMOU, Emmanuel - ZUPAN, Jure. Heavy baryons as polarimeters at colliders. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2015, no. 11, art. no. 067., Registrované v: WOS
2. [1.1] KARLINER, Marek. From $\Omega(-)$ to $\Omega(b)$, doubly

heavy baryons and exotics. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 1, art. no. 1530007.,
Registrované v: WOS

ADCA688 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Observation of top-quark pair production in association with a photon and measurement of the $t(t)\text{-}\bar{t}$ gamma production cross section in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. In *Physical Review D*, 2015, vol. 91, no. 7, art. no. 072007. (2014: 4.643 - IF, Q1 - JCR, 2.414 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.91.072007>

Ohlasy:

1. [1.1] ARBUZOV, B.A. - ZAITSEV, I.V. Looking for nonperturbative effects of the electroweak interaction at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, MAR 30 2019, vol. 34, no. 9., Registrované v: WOS
2. [1.1] BRIVIO, I. - TROTT, M. The standard model as an effective field theory. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, FEB 27 2019, vol. 793, p. 1-98., Registrované v: WOS
3. [1.1] DUAN, Peng-Fei - ZHANG, Yu - WANG, Yong - SONG, Mao - LI, Gang. Electroweak corrections to top quark pair production in association with a hard photon at hadron colliders. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 766, pp. 102-106., Registrované v: WOS
4. [1.1] ETESAMI, S.M. - ROKNABADI, E.D. Probing the nonstandard top-gluon couplings through $t(t)\text{-}\bar{t}$ gamma gamma production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 17 2019, vol. 100, no. 1., Registrované v: WOS
5. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS
6. [1.1] LI, G. - PAN, X.A. - SONG, M. - ZHANG, Y. Prompt J/ψ production in association with a top quark pair at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 18 2019, vol. 100, no. 7., Registrované v: WOS
7. [1.1] SCHULZE, Markus - SOREQ, Yotam. Pinning down electroweak dipole operators of the top quark. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 8, art. no. 466., Registrované v: WOS

ADCA689 ADLOFF, C. - BRUNCKO, Dušan - FERENCÉI, Jozef - KURČA, Tibor - MARÁČEK, Richard - MURÍN, Pavol. On the rise of the proton structure function F-2 towards low x. In *Physics Letters B*, 2001, vol. 520, no. 3-4, p.183-190. (2000: 4.213 - IF, Current Contents - CCC). (2001 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: [https://doi.org/10.1016/S0370-2693\(01\)01074-7](https://doi.org/10.1016/S0370-2693(01)01074-7)

Ohlasy:

1. [1.1] BARTELS, J. Theoretical remarks on diffraction at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 8, art. no. 1542009., Registrované v: WOS

2. [1.1] DOSCH, H. G. - FERREIRA, E. Diffractive electromagnetic processes from a Regge point of view. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 3, art. no. 034002., Registrované v: WOS

ADCA690 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. One-dimensional pion, kaon, and proton femtoscopy in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. In *Physical Review C. Nuclear physics*, 2015, vol. 92, no. 5, art. no. 054908. (2014: 3.733 - IF, Q1 - JCR, 2.480 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.92.054908>

Ohlasy:

1. [1.1] ALEXANDRU, A. - BRETT, R. - CULVER, C. - DORING, M. - GUO, D.H. - LEE, F.X. - MAI, M. Finite-volume energy spectrum of the K- K- K- system. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 31 2020, vol. 102, no. 11., Registrované v: WOS

2. [1.1] BAZAK, S. - MROWCZYNSKI, S. Production of Li-4 and p-He-3 correlation function in relativistic heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, JUL 28 2020, vol. 56, no. 7., Registrované v: WOS

3. [1.1] BIALAS, Andrzej - BZDAK, Adam - KOCH, Volker. Femtoscopy of stopped protons. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 3., Registrované v: WOS

4. [1.1] BLUM, Kfir - NG, Kenny Chun Yu - SATO, Ryosuke - TAKIMOTO, Masahiro. Cosmic rays, antihelium, and an old navy spotlight. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 10, art. no. 103021., Registrované v: WOS

5. [1.1] BLUM, Kfir - TAKIMOTO, Masahiro. Nuclear coalescence from correlation functions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4., Registrované v: WOS

6. [1.1] DANIEL, W. The feasibility of the femtoscopic measurements in CBM experiment. In PHOTONICS APPLICATIONS IN ASTRONOMY, COMMUNICATIONS, INDUSTRY, AND HIGH ENERGY PHYSICS EXPERIMENTS 2020. ISSN 0277-786X, 2020, vol. 11581., Registrované v: WOS

7. [1.1] HELMES, C. - JOST, C. - KNIPPSCHILD, B. - KOSTRZEWA, B. - LIU, L. - URBACH, C. - WERNER, M. Hadron-Hadron Interactions from N-f=2+1+1 lattice QCD: Isospin-1 KK scattering length. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 034510., Registrované v: WOS

8. [1.1] MORITA, Kenji - OHNISHI, Akira - ETMINAN, Faisal - HATSUDA, Tetsuo. Probing multistrange dibaryons with proton-omega correlations in high-energy heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 3, art. no. 031901., Registrované v: WOS

9. [1.1] MORITA, K. - GONGYO, S. - HATSUDA, T. - HYODO, T. - KAMIYA, Y. - OHNISHI, A. Probing Omega Omega and p Omega dibaryons with femtoscopic correlations in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 6 2020, vol. 101, no. 1., Registrované v: WOS

10. [1.1] MROWCZYNSKI, S. Production of light nuclei at colliders - coalescence vs. thermal model. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 22-23, p. 3559-3583., Registrované v: WOS
11. [1.1] MROWCZYNSKI, S. - SLON, P. HADRON-DEUTERON CORRELATIONS AND PRODUCTION OF LIGHT NUCLEI IN RELATIVISTIC HEAVY-ION COLLISIONS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2020, vol. 51, no. 8, p. 1739-1755., Registrované v: WOS
12. [1.1] ZHANG, Zheng-Qiao - MA, Yu-Gang. Measurements of momentum correlation and interaction parameters between antiprotons. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2016, vol. 27, no. 6, art. no. 152., Registrované v: WOS

ADCA691 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Operation and performance of the ATLAS semiconductor tracker (ATLAS Collaboration). In *Journal of Instrumentation*, 2014, vol. 9, art. no. P08009. (2013: 1.526 - IF, Q2 - JCR, 0.708 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1748-0221. Dostupné na: <https://doi.org/10.1088/1748-0221/9/08/P08009>

Ohlasy:

1. [1.1] ANTONIOLI, M.A. - BALTZELL, N. - BOYARINOV, S. - BONNEAU, P. - CHRISTO, S. - CUEVAS, C. - DEFURNE, M. - DERYLO, G. - ELOUADRHIRI, L. - ENG, B. - EWING, T. - GILFOYLE, G. - GOTRA, Y. - LEFFEL, M. - MANDAL, S. - MARZOLF, B. - MCMULLEN, M. - MERKIN, M. - MILLER, R. - RAYDO, B. - TEACHEY, W. - TUCKER, R. - UNGARO, M. - YEGNESWARAN, A. - ZANA, L. - ZIEGLER, V. The CLAS12 Silicon Vertex Tracker. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, MAY 11 2020, vol. 962., Registrované v: WOS
2. [1.1] CRYER, A. - KAPELLMANN-ZAFRA, G. - ABREGO-HERNANDEZ, S. - MARIN-REYES, H. - FRENCH, R. Advantages of Virtual Reality in the Teaching and Training of Radiation Protection during Interventions in Harsh Environments. In 2019 24TH IEEE INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGIES AND FACTORY AUTOMATION (ETFA). ISSN 1946-0740, 2019, p. 784-789., Registrované v: WOS
3. [1.1] MOLL, Michael. Displacement Damage in Silicon Detectors for High Energy Physics. In IEEE TRANSACTIONS ON NUCLEAR SCIENCE. ISSN 0018-9499, 2018, vol. 65, no. 8, pp. 1561-1582., Registrované v: WOS
4. [1.1] MORA, Y. - HOU, W. - GEORGIEV, V. Characterization of a newly developed readout electronics system for strip detectors. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, MAR 2020, vol. 15, no. 3., Registrované v: WOS

ADCA692 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Operation and performance of the ATLAS Tile Calorimeter in Run 1. In *European Physical Journal C*, 2018, vol. 78, no. 12,

art. no. 987. (2017: 5.172 - IF, Q1 - JCR, 2.022 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-018-6374-z>

Ohlasy:

1. [1.1] LEE, Y.I. - KANG, M.G. - KO, R.E. - PARK, T.K. - CHUNG, C.R. - CHO, Y.H. - JEON, K. - SUH, G.Y. - YANG, J.H. The Impact of Hypoxic Hepatitis on Clinical Outcomes after Extracorporeal Cardiopulmonary Resuscitation. In JOURNAL OF CLINICAL MEDICINE. SEP 2020, vol. 9, no. 9., Registrované v: WOS
2. [1.1] MARIN, J.L. Energy Reconstruction Performance in the ATLAS Tile Calorimeter Operating at High Event Rate Conditions Using LHC Collision Data. In PROCEEDINGS OF THE 2020 INTERNATIONAL CONFERENCE ON SYSTEMS, SIGNALS AND IMAGE PROCESSING (IWSSIP), 27TH EDITION. ISSN 2157-8672, 2020, p. 361-366., Registrované v: WOS

ADCA693 AAMODT, K. - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - ŠÁNDOR, Ladislav - VALA, Martin. Particle-Yield Modification in Jetlike Azimuthal Dihadron Correlations in Pb-Pb Collisions at root S-NN=2.76 TeV. In *Physical Review Letters*, 2012, vol. 108, no. 9, art. no. 092301. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.108.092301>

Ohlasy:

1. [1.1] DAI, Wei - ZHANG, Ben-Wei - WANG, Enke. Production of $\rho(0)$ mesons with large p(T) at next-to-leading order in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 024901., Registrované v: WOS
2. [1.1] EDMONDS, Terrence - LI, Qingfeng - WANG, Fuqiang. Collisional broadening of angular correlations in a multiphase transport model. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 966, pp. 124-134., Registrované v: WOS
3. [1.1] GAO, Zhan - LUO, Ao - MA, Guo-Liang - QIN, Guang-You - ZHANG, Han-Zhong. Overall momentum balance and redistribution of the lost energy in asymmetric dijet events in 2.76A TeV Pb-Pb collisions with a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 4, art. no. 044903., Registrované v: WOS
4. [1.1] CHEN, Yi. Jet Substructure through Splitting Functions And Mass in pp and PbPb collisions at 5.02 TeV with CMS. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 512-515., Registrované v: WOS
5. [1.1] LEE, Yen-Jie. Studies of dijet pseudorapidity distributions and transverse momentum balance in pPb collisions at root s(NN)=5.02 TeV. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 352, pp. 27-34., Registrované v: WOS
6. [1.1] LIU, Zhiquan - ZHANG, Hanzhong - ZHANG, Ben-Wei - WANG, Enke. Extracting jet quenching parameters from large p(T) hadron suppression at RHIC/LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 425-428., Registrované v: WOS
7. [1.1] LIU, Zhi-Quan - ZHANG, Hanzhong - ZHANG, Ben-Wei -

- WANG, Enke. Quantifying jet transport properties via large p(T) hadron production. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 1, art. no. 20., Registrované v: WOS
8. [1.1] MUELLER, A. H. - WU, Bin - XIAO, Bo-Wen - YUAN, Feng. Medium induced transverse momentum broadening in hard processes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034007., Registrované v: WOS
9. [1.1] REZAEIAN, Amir H. Photon-jet ridge at RHIC and the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 094030., Registrované v: WOS
10. [1.1] SARKAR, Debojit. Energy independent scaling of the ridge and final state description of high multiplicity p plus p collisions at $\sqrt{s}=7$ and 13 TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 034036., Registrované v: WOS
11. [1.1] XIE, M. - WEI, S.Y. - QIN, G.Y. - ZHANG, H.Z. Extracting jet transport coefficient via single hadron and dihadron productions in high-energy heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 12 2019, vol. 79, no. 7., Registrované v: WOS

ADCA694 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Performance of algorithms that reconstruct missing transverse momentum in $\sqrt{s}=8$ TeV proton-proton collisions in the ATLAS detector. In *European Physical Journal C*, 2017, vol. 77, no. 4, art. no. 241. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-017-4780-2>

Ohlasy:

1. [1.1] DUARTE, Lucia - PERESSUTTI, Javier - SAMPAYO, Oscar A. Not-that-heavy Majorana neutrino signals at the LHC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 2, art. no. 025001., Registrované v: WOS
2. [1.1] ELVIRA, V.D. Impact of detector simulation in particle physics collider experiments - highlights. In 23RD INTERNATIONAL CONFERENCE ON COMPUTING IN HIGH ENERGY AND NUCLEAR PHYSICS (CHEP 2018). ISSN 2100-014X, 2019, vol. 214., Registrované v: WOS

ADCA695 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Performance of b-jet identification in the ATLAS experiment. In *Journal of Instrumentation*, 2016, vol. 11, art. no. P04008. (2015: 1.310 - IF, Q2 - JCR, 0.833 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1748-0221. Dostupné na: <https://doi.org/10.1088/1748-0221/11/04/P04008>

Ohlasy:

1. [1.1] AGASHE, Kaustubh - DU, Peizhi - HONG, Sungwoo. LHC signals for singlet neutrinos from a natural warped seesaw mechanism. I. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075032., Registrované v: WOS
2. [1.1] ANDREASSEN, A. - FEIGE, I. - FRYE, C. - SCHWARTZ, M.D. JUNIPR: a framework for unsupervised machine learning in particle

- physics. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 1 2019, vol. 79, no. 2., Registrované v: WOS
3. [1.1] BHAT, Pushpalatha C. - PROSPER, Harrison B. - SEKMEN, Sezen - STEWART, Chip. Optimizing event selection with the random grid search. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 228, pp. 245-257., Registrované v: WOS
 4. [1.1] BOLS, E. - KIESELER, J. - VERZETTI, M. - STOYE, M. - STAKIA, A. Jet flavour classification using DeepJet. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, DEC 2020, vol. 15, no. 12., Registrované v: WOS
 5. [1.1] COHEN, Timothy - FREYTSIS, Marat - OSTDIEK, Bryan. (Machine) learning to do more with less. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 034., Registrované v: WOS
 6. [1.1] ELVIRA, V.D. Impact of detector simulation in particle physics collider experiments - highlights. In 23RD INTERNATIONAL CONFERENCE ON COMPUTING IN HIGH ENERGY AND NUCLEAR PHYSICS (CHEP 2018). ISSN 2100-014X, 2019, vol. 214., Registrované v: WOS
 7. [1.1] GAULD, R. - RIDDER, A.G.D. - GLOVER, E.W.N. - HUSS, A. - MAJER, I. Predictions for Z-Boson Production in Association with a b-Jet at $O(\alpha^3(s))$. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, NOV 25 2020, vol. 125, no. 22., Registrované v: WOS
 8. [1.1] GOULD, R. - GEHRMANN-DE RIDDER, A. - GLOVER, E.W.N. - HUSS, A. - MAJER, I. Associated production of a Higgs boson decaying into bottom quarks and a weak vector boson decaying leptonically at NNLO in QCD. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 3 2019, no. 10., Registrované v: WOS
 9. [1.1] GUO, Shu-Yuan - HAN, Zhi-Long - LIAO, Yi. Testing the type II radiative seesaw model: From dark matter detection to LHC signatures. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 115014., Registrované v: WOS
 10. [1.1] GUTIERREZ, Nicolas. Inclusive production of $H \rightarrow b\bar{b}$ plus a recoil for the LHC Run-II. In EPL. ISSN 0295-5075, 2016, vol. 115, no. 1, art. no. 11002., Registrované v: WOS
 11. [1.1] HOU, Wei-Shu - KOHDA, Masaya - MODAK, Tanmoy. Unraveling the couplings of a Drell-Yan produced Z' with heavy-flavor tagging. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 015002., Registrované v: WOS
 12. [1.1] CHAKRABORTY, Amit - IYER, Abhishek M. - ROY, Tuhin S. A framework for finding anomalous objects at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 932, pp. 439-470., Registrované v: WOS
 13. [1.1] KOMISKE, Patrick T. - METODIEV, Eric M. - NACHMAN, Benjamin - SCHWARTZ, Matthew D. Learning to classify from impure samples with high-dimensional data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 011502., Registrované v: WOS
 14. [1.1] KUMAR, R. - BANSAL, M. - BANSAL, S. Jet fragmentation as a tool to explore double parton scattering using Z-boson plus jets processes at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 17 2019, vol. 99, no. 9., Registrované v: WOS
 15. [1.1] LI, Jinmian - SI, Zong-guo - WU, Lei - YUE, Jason.

Central-edge asymmetry as a probe of Higgs-top coupling in $t\bar{t}$ production at the LHC. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2018, vol. 779, pp. 72-76., Registrované v: WOS

16. [1.1] MAGRO, J. Search for four-top-quark production in the single-lepton and opposite-sign dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. In *NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS*. ISSN 2037-4909, MAR-JUN 2020, vol. 43, no. 2-3., Registrované v: WOS

17. [1.1] MURPHY, C.W. Class imbalance techniques for high energy physics. In *SCIPOST PHYSICS*. ISSN 2542-4653, DEC 2019, vol. 7, no. 6., Registrované v: WOS

18. [1.1] XIA, L.G. QBDT, a new boosting decision tree method with systematical uncertainties into training for High Energy Physics. In *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*. ISSN 0168-9002, JUN 21 2019, vol. 930, p. 15-26., Registrované v: WOS

ADCA696 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABED ABUD, A. - ABELING, K. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Performance of electron and photon triggers in ATLAS during LHC Run 2. In *European Physical Journal C*, 2020, vol. 80, no. 1, art. no. 47. (2019: 4.389 - IF, Q1 - JCR, 1.763 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-019-7500-2>

Ohlasy:

1. [1.1] BELLINI, M. Quantum magnetic monopoles at the Planck era from unified spinor fields. In *PHYSICS OF THE DARK UNIVERSE*. ISSN 2212-6864, DEC 2020, vol. 30., Registrované v: WOS

2. [1.1] KADDOUR, H. - PANZNER, T.D. - WELCH, J.L. - SHOUMAN, N. - MOHAN, M. - STAPLETON, J.T. - OKEOMA, C.M. Electrostatic Surface Properties of Blood and Semen Extracellular Vesicles: Implications of Sialylation and HIV-Induced Changes on EV Internalization. In *VIRUSES-BASEL*. OCT 2020, vol. 12, no. 10., Registrované v: WOS

3. [1.1] REN, J. - ZHANG, C. Quantum nucleation of up-down quark matter and astrophysical implications. In *PHYSICAL REVIEW D*. ISSN 1550-7998, OCT 5 2020, vol. 102, no. 8., Registrované v: WOS

4. [1.1] YOCK, P. Testable hypotheses by Isaac Newton on particle physics. In *PHYSICS ESSAYS*. ISSN 0836-1398, JUN 2020, vol. 33, no. 2, p. 149-158., Registrované v: WOS

ADCA697 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Performance of jet substructure techniques for large-R jets in proton-proton collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. In *Journal of High Energy Physics*, 2013, vol. 2013, no. 9, art. no. 076. (2012: 5.618 - IF, 1.475 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP09\(2013\)076](https://doi.org/10.1007/JHEP09(2013)076)

Ohlasy:

1. [1.1] BIESUZ, Nicolo Vladi. Search for TeV scale diboson

- resonances. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2017, vol. 40, no. 1, art. no. 19., Registrované v: WOS
2. [1.1] CONWAY, J. S. - BHASKAR, R. - ERBACHER, R. D. - PILOT, J. Identification of high-momentum top quarks, Higgs bosons, and W and Z bosons using boosted event shapes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 094027., Registrované v: WOS
 3. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS
 4. [1.1] DREYER, Frederic A. - NECIB, Lina - SOYEZ, Gregory - THALER, Jesse. Recursive Soft Drop. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 093., Registrované v: WOS
 5. [1.1] FRANZOSI, Diogo Buarque - FABRI, Federica - SCHUMANN, Steffen. Constraining scalar resonances with top-quark pair production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 022., Registrované v: WOS
 6. [1.1] FREYTSIS, Marat - VOLANSKY, Tomer - WALSH, Jonathan R. Tagging partially reconstructed objects with jet substructure. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 769, pp. 333-338., Registrované v: WOS
 7. [1.1] GONCALVES, Dorival - KRAUSS, Frank - SPANNOVSKY, Michael. Augmenting the diboson excess for the LHC Run II. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 5, art. no. 053010., Registrované v: WOS
 8. [1.1] KANG, Zhaofeng - LI, Jinmian - ZHANG, Mengchao. Uncover compressed supersymmetry via boosted bosons from the heavier stop/sbottom. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 6, art. no. 371., Registrované v: WOS
 9. [1.1] LAPSIEN, T. - KOGLER, R. - HALLER, J. A new tagger for hadronically decaying heavy particles at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 11, art. no. 600., Registrované v: WOS
 10. [1.1] LARKOSKI, Andrew J. - MOULT, Ian - NEILL, Duff. Building a better boosted top tagger. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 034035., Registrované v: WOS
 11. [1.1] LARKOSKI, Andrew J. - MOULT, Ian. Singular behavior of jet substructure observables. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 014017., Registrované v: WOS
 12. [1.1] LARKOSKI, A.J. - MOULT, I. - NACHMAN, B. Jet substructure at the Large Hadron Collider: A review of recent advances in theory and machine learning. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, JAN 27 2020, vol. 841, p. 1-63., Registrované v: WOS
 13. [1.1] PARK, M. - ZHANG, M. Tagging a jet from a dark sector with jet substructures at colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 4 2019, vol. 100, no. 11., Registrované v: WOS
 14. [1.1] ROY, Tuhin S. - THALAPILLIL, Arun M. Augmenting collider searches and enhancing discovery potentials through stochastic jet grooming. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075002.,

Registrované v: WOS

15. [1.1] SAKAKI, Y. Quark jet rates and quark-gluon discrimination in multijet final states. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 18 2019, vol. 99, no. 11., Registrované v: WOS

16. [1.1] SPANNOVSKY, Michael - STOLL, Martin. Tracking new physics at the LHC and beyond. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 054033., Registrované v: WOS

17. [1.1] TRIPATHEE, Aashish - XUE, Wei - LARKOSKI, Andrew - MARZANI, Simone - THALER, Jesse. Jet substructure studies with CMS open data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074003., Registrované v: WOS

ADCA698 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Performance of missing transverse momentum reconstruction with the ATLAS detector using proton proton collisions at root s=13 TeV. In *European Physical Journal C*, 2018, vol. 78, no. 11, art. no. 903. (2017: 5.172 - IF, Q1 - JCR, 2.022 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-018-6288-9>

Ohlasy:

1. [1.1] BALDENEGRO, C. - BIAGI, G. - LEGRAS, G. - ROYON, C. Central exclusive production of W boson pairs in pp collisions at the LHC in hadronic and semi-leptonic final states. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 24 2020, no. 12., Registrované v: WOS

2. [1.1] BREHMER, J. - DAWSON, S. - HOMILLER, S. - KLING, F. - PLEHN, T. Benchmarking simplified template cross sections in W H production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 6 2019, no. 11., Registrované v: WOS

3. [1.1] KIM, J.H. - KIM, M. - KONG, K. - MATCHEV, K.T. - PARK, M. Portraying double Higgs at the Large Hadron Collider. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 6 2019, no. 9., Registrované v: WOS

4. [1.1] STEGGEMANN, J. Extended Scalar Sectors. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 197-223., Registrované v: WOS

ADCA699 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCÉI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Performance of missing transverse momentum reconstruction in proton-proton collisions at root s=7 TeV with ATLAS. In *European Physical Journal C*, 2012, vol. 72, no. 1, art. no. 1844. (2011: 3.631 - IF, Q2 - JCR, 2.962 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-011-1844-6>

Ohlasy:

1. [1.1] BLANCE, A. - SPANNOVSKY, M. - WAITE, P. Adversarially-trained autoencoders for robust unsupervised new physics searches. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 4 2019, no. 10., Registrované v: WOS

2. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson

- resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS
3. [1.1] KANG, Zhaofeng - KO, P. - LI, Jinmian. New Physics Opportunities in the Boosted Di-Higgs-Boson Plus Missing Transverse Energy Signature. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 13, art. no. 131801., Registrované v: WOS
4. [1.1] NORDSTROM, K. - PAPAEFSTATHIOU, A. VHH production at the high-luminosity LHC. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, JUN 2019, vol. 134, no. 6., Registrované v: WOS
5. [1.1] XIA, Li-Gang. A mass reconstruction technique for a heavy resonance decaying to tau(+)tau(-). In CHINESE PHYSICS C. ISSN 1674-1137, 2016, vol. 40, no. 11, art. no. 113003., Registrované v: WOS

ADCA700 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Performance of pile-up mitigation techniques for jets in pp collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. In *European Physical Journal C*, 2016, vol. 76, no. 11, art. no. 581. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4395-z>

Ohlasy:

1. [1.1] ABOUBRAHIM, Amin - NATH, Pran - SPISAK, Andrew B. Stau coannihilation, compressed spectrum, and SUSY discovery potential at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115030., Registrované v: WOS
2. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS
3. [1.1] DREYER, Frederic A. - NECIB, Lina - SOYEZ, Gregory - THALER, Jesse. Recursive Soft Drop. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 093., Registrované v: WOS
4. [1.1] MICHEL, J.K.L. - PIETRULEWICZ, P. - TACKMANN, F.J. Jet veto resummation with jet rapidity cuts. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 23 2019, no. 4., Registrované v: WOS
5. [1.1] SIKLER, Ferenc. A combination of analysis techniques for efficient track reconstruction of high multiplicity events in silicon detectors. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 6, art. no. 113., Registrované v: WOS
6. [1.1] SIKLER, Ferenc. Combination of various data analysis techniques for efficient track reconstruction in very high multiplicity events. In CONNECTING THE DOTS/INTELLIGENT TRACKERS 2017 (CTD/WIT 2017). ISSN 2100-014X, 2017, vol. 150, art. no. UNSP 00011., Registrované v: WOS
7. [1.1] SOYEZ, G. Pileup mitigation at the LHC: A theorist's view. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, APR 25 2019, vol. 803, p. 1-158., Registrované v: WOS
8. [1.1] YAP, Y.C. Recent observation and measurements of diboson processes from the ATLAS experiment. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, SEP 14 2020, vol. 35, no. 28., Registrované v: WOS

ADCA701 ABELEV, Betty - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Performance of the ALICE experiment at the CERN LHC. In *International Journal of Modern Physics A*, 2014, vol. 29, no. 24, art. no. 1430044. (2013: 1.086 - IF, Q3 - JCR, 0.755 - SJR, Q2 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS). ISSN 0217-751X. Dostupné na: <https://doi.org/10.1142/S0217751X14300440>

Ohlasy:

1. [1.1] AI, P. - WANG, D. - HUANG, G. - FANG, N. - XU, D. - ZHANG, F. Timing and characterization of shaped pulses with MHz ADCs in a detector system: a comparative study and deep learning approach. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, MAR 2019, vol. 14., Registrované v: WOS
2. [1.1] BARNYAKOV, A. Yu. - BARNYAKOV, M. Yu. - BRIANZA, L. - CAVALLARI, F. - CIPRIANI, M. - CIRIOLO, V. - DEL RE, D. - GELLI, S. - GHEZZI, A. - GOTTI, C. - GOVONI, P. - KATCIN, A. A. - MALBERTI, M. - MARTELLI, A. - MARZOCCHI, B. - MERIDIANI, P. - ORGANTINI, G. - PARAMATTI, R. - PIGAZZINI, S. - PREIATO, F. - PRISEKIN, V. G. - RAHATLOU, S. - ROVELLI, C. - SANTANASTASIO, F. - DE FATIS, T. Tabarelli. Response of microchannel plates in ionization mode to single particles and electromagnetic showers. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2018, vol. 879, pp. 6-12., Registrované v: WOS
3. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
4. [1.1] BRIANZA, L. - CAVALLARI, F. - DEL RE, D. - GELLI, S. - GHEZZI, A. - GOTTI, C. - GOVONI, P. - LOPEZ, C. Jorda - MARTELLI, A. - MARZOCCHI, B. - MERIDIANI, P. - ORGANTINI, G. - PARAMATTI, R. - PERNIE, L. - PIGAZZINI, S. - RAHATLOU, S. - ROVELLI, C. - SANTANASTASIO, F. - DE FATIS, T. Tabarelli - TREVISANI, N. Response of microchannel plates to single particles and to electromagnetic showers. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2015, vol. 797, pp. 216-221., Registrované v: WOS
5. [1.1] DANHONI, I. - NAVARRA, F.S. Magnetic excitation in relativistic heavy ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, JUN 10 2020, vol. 805., Registrované v: WOS
6. [1.1] FRONZE, G. G. Measurements of quarkonium production in p-Pb and Pb-Pb collisions with ALICE at LHC. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2018, vol. 41, no. 1-2, art. no. 14., Registrované v: WOS
7. [1.1] CHEN, Jinhui - KEANE, Declan - MA, Yu-Gang - TANG, Aihong - XU, Zhangbu. Antinuclei in heavy-ion collisions. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2018, vol. 760, pp. 1-39., Registrované v: WOS
8. [1.1] CHEN, J.L. - AI, P.C. - WANG, D. - WANG, H. - FANG, N. - XU, D.L. - GONG, Q. - YANG, Y.K. FPGA implementation of neural network

- accelerator for pulse information extraction in high energy physics. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, APR 27 2020, vol. 31, no. 5., Registrované v: WOS
9. [1.1] JACAZIO, Nicolo. Production of identified charged hadrons in Pb-Pb collisions at $\sqrt{s(NN)}=5.02$ TeV. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 421-424., Registrované v: WOS
 10. [1.1] KLUSEK-GAWENDA, M. LIGHT-BY-LIGHT SCATTERING IN ULTRA-PERIPHERAL COLLISIONS IN THE FUTURE. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, JUN 2019, vol. 50, no. 6, p. 1077-1086., Registrované v: WOS
 11. [1.1] KLUSEK-GAWENDA, M. PHOTON-PHOTON SCATTERING AT THE LHC IN COLLISIONS OF NUCLEI. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, p. 333-339., Registrované v: WOS
 12. [1.1] LIU, R.L. - LAI, M.Y. - SHI, C. - ZONG, H.S. Finite volume effects on QCD susceptibilities with a chiral chemical potential. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 10 2020, vol. 102, no. 1., Registrované v: WOS
 13. [1.1] LI, C.B. - LI, X.M. - MENG, Q.Y. - ZHOU, J. - ZHOU, S.H. - YUAN, J. Beam test of a PIN-diode read out PWO calorimeter with electron energies from 5 to 40 GeV at CERN SPS. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, AUG 27 2020, vol. 56, no. 8., Registrované v: WOS
 14. [1.1] LU, Ya - CUI, Zhu-Fang - PAN, Zan - CHANG, Chao-Hsi - ZONG, Hong-Shi. QCD phase diagram with a chiral chemical potential. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 074037., Registrované v: WOS
 15. [1.1] MICHELETTI, L. $\psi(2S)$ production in p-Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2018, vol. 41, no. 3, art. no. 99., Registrované v: WOS
 16. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS
 17. [1.1] PATTON, H. - NACHMAN, B. The optimal use of silicon pixel charge information for particle identification. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, JAN 1 2019, vol. 913, p. 91-96., Registrované v: WOS
 18. [1.1] RAJPUT, Sonia. Measurement of Azimuthal Correlations Between D Mesons and Any Charged Particle in pp Collisions at $\sqrt{s}=7$ TeV with ALICE. In XXII DAE HIGH ENERGY PHYSICS SYMPOSIUM. ISSN 0930-8989, 2018, vol. 203, pp. 451-454., Registrované v: WOS
 19. [1.1] TELLO, Abraham Villatoro. AD, the ALICE Diffractive Detector. In DIFFRACTION 2016: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2017, vol. 1819, art. no. UNSP 040020-1., Registrované v: WOS

ADCA702 ABBAS, E. - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Performance of the ALICE VZERO system (ALICE Collaboration). In *Journal of Instrumentation*, 2013, vol. 8, art. no. P10016. (2012: 1.656 - IF, Q2 - JCR, 0.383 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1748-0221. Dostupné na: <https://doi.org/10.1088/1748-0221/8/10/P10016>

Ohlasy:

1. [1.1] JIANG ZE-FANG - YANG CHUN-BIN - CSANAD, Mate - CSORGO, Tamas. Accelerating hydrodynamic description of pseudorapidity density and the initial energy density in p plus p, Cu plus Cu, Au plus Au, and Pb plus Pb collisions at energies available at the BNL Relativistic Heavy Ion Collider and the CERN Large Hadron Collider. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2018, vol. 97, no. 6, art. no. 064906., Registrované v: WOS

ADCA703 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Performance of the ATLAS muon trigger in pp collisions at root s=8 TeV. In *European Physical Journal C*, 2015, vol. 75, no. 3, art. no. 120. (2014: 5.084 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1434-6044.

Ohlasy:

1. [1.1] KNAPEN, Simon - LOU, Hou Keong - PAPUCCI, Michele - SETFORD, Jack. Tracking down quirks at the Large Hadron Collider. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 115015., Registrované v: WOS

2. [1.1] PEDERSEN, Keith - SULLIVAN, Zack. mu(x) boosted-bottom-jet tagging and Z ' boson searches. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2016, vol. 93, no. 1, art. no. 014014., Registrované v: WOS

3. [1.1] SMIRNOVA, L. N. - TURCHIKHIN, S. M. Muon and B-physics trigger of the ATLAS experiment in Run 2. In *PHYSICS OF PARTICLES AND NUCLEI*. ISSN 1063-7796, 2017, vol. 48, no. 5, pp. 801-803., Registrované v: WOS

4. [1.1] THAKUR, R.K. - TIWARI, B.N. - NIGAM, R. Parameter space stability of multiple soft interactions. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, OCT 2020, vol. 1002., Registrované v: WOS

5. [1.1] TSAI, Y. - XU, T. - YU, H.B. Displaced lepton jet signatures from self-interacting dark matter bound states. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, AUG 23 2019, no. 8., Registrované v: WOS

ADCA704 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. In *European Physical Journal C*, 2017, vol. 77, no. 10, art. no. 673. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-017-5225-7>

Ohlasy:

1. [1.1] BLANCE, A. - SPANNOVSKY, M. - WAITE, P. Adversarially-trained autoencoders for robust unsupervised new physics

searches. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 4 2019, no. 10., Registrované v: WOS

2. [1.1] DIB, C.O. - KIM, C.S. - ARAYA, S.T. Search for light sterile neutrinos from W - ν decays at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 19 2020, vol. 101, no. 3., Registrované v: WOS

3. [1.1] EL HEDRI, S. - NORDSTROM, K. Whac-a-constraint with anomaly-free dark matter models. In SCIPOST PHYSICS. ISSN 2542-4653, FEB 2019, vol. 6, no. 2., Registrované v: WOS

4. [1.1] LANTZ, S. - MCDERMOTT, K. - REID, M. - RILEY, D. - WITTICH, P. - BERKMAN, S. - CERATI, G. - KORTELAINEEN, M. - HALL, A.R. - ELMER, P. - WANG, B. - GIANNINI, L. - KRUTELYOV, V. - MASCIOVECCHIO, M. - TADEL, M. - WURTHWEIN, F. - YAGIL, A. - GRAVELLE, B. - NORRIS, B. Speeding up particle track reconstruction using a parallel Kalman filter algorithm. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, SEP 2020, vol. 15, no. 9., Registrované v: WOS

5. [1.1] LOPRIORE, Piervito - CAPITANIO, Nazzareno - PANATTA, Emanuele - DI DANIELE, Nicola - GAMBACURTA, Alessandra - MELINO, Gerry - AMELIO, Ivano. TAp73 regulates ATP7A: possible implications for ageing-related diseases. In AGING-US. ISSN 1945-4589, 2018, vol. 10, no. 12, pp. 3745-3760., Registrované v: WOS

6. [1.1] VAN BEEK, S. - NOCERA, E.R. - ROJO, J. - SLADE, E. Constraining the SMEFT with Bayesian reweighting. In SCIPOST PHYSICS. ISSN 2542-4653, NOV 2019, vol. 7, no. 5., Registrované v: WOS

ADCA705 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Performance of the ATLAS Trigger System in 2010. In *European Physical Journal C*, 2012, vol. 72, no. 1, art. no. 1849. (2011: 3.631 - IF, Q2 - JCR, 2.962 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-011-1849-1>

Ohlasy:

1. [1.1] LARA, Inaki - LOPEZ-FOGLIANI, Daniel E. - MUNOZ, Carlos - NAGATA, Natsumi - OTONO, Hidetoshi - RUIZ DE AUSTRI, Roberto. Looking for the left sneutrino LSP with displaced-vertex searches. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075004., Registrované v: WOS

2. [1.1] SMIRNOVA, L. N. - TURCHIKHIN, S. M. Muon and B-physics trigger of the ATLAS experiment in Run 2. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, 2017, vol. 48, no. 5, pp. 801-803., Registrované v: WOS

ADCA706 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Performance of the ATLAS trigger system in 2015. In *European Physical Journal C*, 2017, vol. 77, no. 5, art. no. 317. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-017-4852-3>

Ohlasy:

1. [1.1] ALVES, Alexandre - SANTOS, A. C. O. - SINHA, Kuver. Collider detection of dark matter electromagnetic anapole moments. In

- PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055023.,
Registrované v: WOS
2. [1.1] ARHRIB, Abdesslam - BENBRIK, Rachid - ENBERG, Rikard -
KLEMM, William - MORETTI, Stefano - MUNIR, Shoaib. Identifying a light
charged Higgs boson at the LHC Run II. In PHYSICS LETTERS B. ISSN
0370-2693, 2017, vol. 774, pp. 591-598., Registrované v: WOS
3. [1.1] BAI, C. Optimization of Tumor Gene Mapping Based on Visual
Communication Design. In NANOSCIENCE AND NANOTECHNOLOGY
LETTERS. ISSN 1941-4900, FEB 2020, vol. 12, no. 2, p. 170-177., Registrované
v: WOS
4. [1.1] BLANKE, M. - KAST, S. - THOMPSON, J.M. - WESTHOFF,
S. - ZURITA, J. Spotting hidden sectors with Higgs binoculars. In JOURNAL
OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 29 2019, no. 4.,
Registrované v: WOS
5. [1.1] CERRI, O. - NGUYEN, T.Q. - PIERINI, M. - SPIROPULU, M.
- VLIMANT, J.R. Variational autoencoders for new physics mining at the Large
Hadron Collider. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN
1029-8479, MAY 7 2019, no. 5., Registrované v: WOS
6. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson
resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN
0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS
7. [1.1] EBADI, J. - KHATIBI, S. - NAJAFABADI, M.M. New probes
for axionlike particles at hadron colliders. In PHYSICAL REVIEW D. ISSN
2470-0010, JUL 15 2019, vol. 100, no. 1., Registrované v: WOS
8. [1.1] FREUND, W.S. An Ensemble of Neural Networks for Online
Electron Filtering at the ATLAS Experiment. In 19TH INTERNATIONAL
WORKSHOP ON ADVANCED COMPUTING AND ANALYSIS
TECHNIQUES IN PHYSICS RESEARCH. ISSN 1742-6588, 2020, vol. 1525.,
Registrované v: WOS
9. [1.1] FREYTSIS, M. - HARRIS, P. - HINZMANN, A. - MOULT, I. -
TRAN, N. - VERNIERI, C. Prospects for a measurement of the W boson mass in
the all-jets final state at hadron colliders. In JOURNAL OF HIGH ENERGY
PHYSICS. ISSN 1029-8479, FEB 1 2019, no. 2., Registrované v: WOS
10. [1.1] FUKS, B. - NORDSTROM, K. - RUIZ, R. - WILLIAMSON,
S.L. Sleptons without hadrons. In PHYSICAL REVIEW D. ISSN 2470-0010,
OCT 11 2019, vol. 100, no. 7., Registrované v: WOS
11. [1.1] GOUVEIA, E. Triggering on hadronic signatures in the ATLAS
experiment - Developments for 2017 and 2018. In 23RD INTERNATIONAL
CONFERENCE ON COMPUTING IN HIGH ENERGY AND NUCLEAR
PHYSICS (CHEP 2018). ISSN 2100-014X, 2019, vol. 214., Registrované v:
WOS
12. [1.1] CHAKRABORTY, Amit - IYER, Abhishek M. - ROY, Tuhin S.
A framework for finding anomalous objects at the LHC. In NUCLEAR
PHYSICS B. ISSN 0550-3213, 2018, vol. 932, pp. 439-470., Registrované v:
WOS
13. [1.1] LARA, Inaki - LOPEZ-FOGLIANI, Daniel E. - MUNOZ,
Carlos - NAGATA, Natsumi - OTONO, Hidetoshi - RUIZ DE AUSTRI,
Roberto. Looking for the left sneutrino LSP with displaced-vertex searches. In
PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075004.,
Registrované v: WOS

14. [1.1] LAVORGNA, M. ATLAS searches for resonances decaying to boson pairs. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, MAR-JUN 2020, vol. 43, no. 2-3., Registrované v: WOS
15. [1.1] MARIOTTI, Alberto - REDIGOLO, Diego - SALA, Filippo - TOBIOKA, Kohsaku. New LHC bound on low-mass diphoton resonances. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 13-18., Registrované v: WOS
16. [1.1] NORDSTROM, K. - PAPAEFSTATHIOU, A. VHH production at the high-luminosity LHC. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, JUN 2019, vol. 134, no. 6., Registrované v: WOS
17. [1.1] RUHDORFER, M. - SALVIONI, E. - WEILER, A. A global view of the off-shell Higgs portal. In SCIPOST PHYSICS. ISSN 2542-4653, FEB 2020, vol. 8, no. 2., Registrované v: WOS
18. [1.1] RYD, A. - SKINNARI, L. Tracking Triggers for the HL-LHC. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 171-195., Registrované v: WOS
19. [1.1] VARNI, C. Real-time selection using flavour-tagging algorithms in ATLAS. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, MAR-JUN 2020, vol. 43, no. 2-3., Registrované v: WOS

ADCA707 ABREU, H. - BÁN, Jaroslav - FERENCEI, Jozef - KLADIVA, Eduard - STRÍŽENEC, Pavol. Performance of the electronic readout of the ATLAS liquid argon calorimeters (ATLAS Collaboration). In *Journal of Instrumentation : JINST* [elektronický zdroj], 2010, vol. 5, no. 9, art. no. P09003. (2009: 2.102 - IF, Q1 - JCR, 0.759 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1748-0221. Dostupné na: <https://doi.org/10.1088/1748-0221/5/09/P09003>

Ohlasy:

1. [1.1] KIM, J.S. - KRAUSS, M.E. - LOZANO, V.M. - STAUB, F. Illuminating stealth scenarios at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 25 2020, vol. 101, no. 3., Registrované v: WOS
2. [1.1] MARIN, J.L. Energy Reconstruction Performance in the ATLAS Tile Calorimeter Operating at High Event Rate Conditions Using LHC Collision Data. In PROCEEDINGS OF THE 2020 INTERNATIONAL CONFERENCE ON SYSTEMS, SIGNALS AND IMAGE PROCESSING (IWSSIP), 27TH EDITION. ISSN 2157-8672, 2020, p. 361-366., Registrované v: WOS

ADCA708 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Performance of top-quark and W-boson tagging with ATLAS in Run 2 of the LHC. In *European Physical Journal C*, 2019, vol. 79, no. 5, art. no. 375. (2018: 4.843 - IF, Q1 - JCR, 1.972 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-019-6847-8>

Ohlasy:

1. [1.1] BENATO, L. - CONNOR, P.L.S. - KASIECZKA, G. - KRUCKER, D. - MEYER, M. Teaching machine learning with an application in

collider particle physics. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, SEP 2020, vol. 15, no. 9., Registrované v: WOS
 2. [1.1] CHATTERJEE, S. - GODBOLE, R. - ROY, T.S. Jets with electrons from boosted top quarks. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 28 2020, no. 1., Registrované v: WOS
 3. [1.1] LIU, D. - WANG, L.T. Probing new physics effects in the precision measurement of the di-boson at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, MAY 20 2019, vol. 34, no. 13-14, SI., Registrované v: WOS

ADCA709 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. phi-Meson production at forward rapidity in p-Pb collisions at $\sqrt{s(NN)}=5.02$ TeV and in pp collisions at $\sqrt{s}=2.76$ TeV. In *Physics Letters B*, 2017, vol. 768, p. 203-217. (2016: 4.807 - IF, Q1 - JCR, 3.032 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2017.01.074>

Ohlasy:

1. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS
2. [1.1] SARSOOR, Murad. phi Meson Measurements at RHIC with the PHENIX Detector. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 13004., Registrované v: WOS

ADCA710 ADLOFF, C. - BÁN, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KURČA, Tibor - MARÁČEK, Richard - MURÍN, Pavol. Photo-production of $\psi(2S)$ mesons at HERA. In *Physics Letters B*, 1998, vol. 421, no. 1-4, p. 385-394. (1997: 3.581 - IF, Current Contents - CCC). (1998 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] FIORE, R. - JENKOVŠKY, L. - LIBOV, V. - MACHADO, M. V. T. - SALII, A. Vector meson production in ultra-peripheral collisions at the LHC. In DIFFRACTION 2014: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2015, vol. 1654, art. no. UNSP 090002., Registrované v: WOS

ADCA711 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - ŠÁNDOR, Ladislav - VALA, Martin. Pion, Kaon, and Proton Production in Central Pb-Pb Collisions at $\sqrt{s(NN)}=2.76$ TeV. In *Physical Review Letters*, 2012, vol. 109, no. 25, art. no. 252301. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.109.252301>

Ohlasy:

1. [1.1] ADUSZKIEWICZ, Antoni. Recent results from NA61/SHINE. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 35-42.,

Registrované v: WOS

2. [1.1] AHMAD, Saeed - HOLOPAINEN, Hannu - HUOVINEN, Pasi. Dynamical freeze-out criterion in a hydrodynamical description of Au plus Au collisions at $\sqrt{s(NN)}=200$ GeV and Pb plus Pb collisions at $\sqrt{s(NN)}=2760$ GeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 5, art. no. 054911., Registrované v: WOS
3. [1.1] BEGUN, Viktor - FLORKOWSKI, Wojciech. Bose-Einstein condensation of pions in heavy-ion collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 5, art. no. 054909., Registrované v: WOS
4. [1.1] BEGUN, Viktor. Fluctuations as a test of chemical nonequilibrium at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 5, art. no. 054904., Registrované v: WOS
5. [1.1] BEGUN, Viktor. Thermal model for Pb plus Pb collisions at $\sqrt{s(NN)}=2.76$ TeV with explicit treatment of hadronic ground states. In RESONANCE WORKSHOP AT CATANIA. ISSN 2100-014X, 2015, vol. 97, art. no. 00003., Registrované v: WOS
6. [1.1] BHATTACHARYYA, S. - BISWAS, D. - GHOSH, S.K. - RAY, R. - SINGHA, P. Novel scheme for parametrizing the chemical freeze-out surface in heavy ion collision experiments. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 26 2019, vol. 100, no. 5., Registrované v: WOS
7. [1.1] BHATTACHARYYA, S. - BISWAS, D. - GHOSH, S.K. - RAY, R. - SINGHA, P. Systematics of chemical freeze-out parameters in heavy-ion collision experiments. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 4 2020, vol. 101, no. 5., Registrované v: WOS
8. [1.1] BISWAS, D. Formation of light nuclei at chemical freezeout: Description within a statistical thermal model. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 3 2020, vol. 102, no. 5., Registrované v: WOS
9. [1.1] BRONIOWSKI, Wojciech - GIACOSA, Francesco - BEGUN, Viktor. Cancellation of the sigma meson in thermal models. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 3, art. no. 034905., Registrované v: WOS
10. [1.1] DAS, Sabita. Identified particle production and freeze-out properties in heavy-ion collisions at RHIC Beam Energy Scan program. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. 08007., Registrované v: WOS
11. [1.1] DUDEK, Danuce M. - QIAN, Wei-Liang - WU, Chen - SOCOLOWSKI, Otavio - PADULA, Sandra S. - KREIN, Gastao - HAMA, Yojiro - KODAMA, Takeshi. Effects of equation of state on hydrodynamic expansion, spectra, flow harmonics and two-pion interferometry. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, 2018, vol. 27, no. 7, art. no. 1850058., Registrované v: WOS
12. [1.1] FLORKOWSKI, Wojciech. Transverse-momentum spectra of strange particles produced in Pb plus Pb collisions at $\sqrt{s(NN)}=2.76$ TeV in the chemical non-equilibrium model. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012054., Registrované v: WOS
13. [1.1] GANGADHARAN, Dhevan. Techniques for multiboson

- interferometry. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 1, art. no. 014902., Registrované v: WOS
14. [1.1] HABICH, M. - NAGLE, J. L. - ROMATSCHKE, P. Particle spectra and HBT radii for simulated central nuclear collisions of C plus C, Al plus Al, Cu plus Cu, Au plus Au, and Pb plus Pb from $\sqrt{s}=62.4-2760$ GeV. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 1, art. no. 15., Registrované v: WOS
15. [1.1] HAN, Kyong Chol - FRIES, Rainer J. - KO, Che Ming. Jet fragmentation via recombination of parton showers. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 4, art. no. 045207., Registrované v: WOS
16. [1.1] HEINZ, Ulrich. Quark-gluon soup The perfectly liquid phase of QCD. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 2, art. no. 1530011., Registrované v: WOS
17. [1.1] CHESLER, Paul M. - VAN DER SCHEE, Wilke. Early thermalization, hydrodynamics and energy loss in AdS/CFT. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2015, vol. 24, no. 10, art. no. 1530011., Registrované v: WOS
18. [1.1] JACAZIO, Nicolo. Production of identified charged hadrons in Pb-Pb collisions at $\sqrt{s(NN)}=5.02$ TeV. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 421-424., Registrované v: WOS
19. [1.1] KOLOMEITSEV, E. E. - VOSKRESENSKY, D. N. Fluctuations in non-ideal pion gas with dynamically fixed particle number. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 973, pp. 89-103., Registrované v: WOS
20. [1.1] LAO, Hai-Ling - WEI, Hua-Rong - LIU, Fu-Hu - LACEY, Roy A. An evidence of mass-dependent differential kinetic freeze-out scenario observed in Pb-Pb collisions at 2.76 TeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 7, art. no. 203., Registrované v: WOS
21. [1.1] LIU, Jia - SHEN, Chun - HEINZ, Ulrich. Pre-equilibrium evolution effects on heavy-ion collision observables. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 6, art. no. 064906., Registrované v: WOS
22. [1.1] LI, Li-Li - LIU, Fu-Hu. Energy dependent kinetic freeze-out temperature and transverse flow velocity in high energy collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 10, art. no. 169., Registrované v: WOS
23. [1.1] LI, L.L. - LIU, F.H. Kinetic Freeze-Out Properties from Transverse Momentum Spectra of Pions in High Energy Proton-Proton Collisions. In PHYSICS. JUN 2020, vol. 2, no. 2, p. 277-308., Registrované v: WOS
24. [1.1] MAZELIAUSKAS, A. - FLOERCHINGER, S. - GROSSI, E. - TEANEY, D. Fast resonance decays in nuclear collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS
25. [1.1] MINISALE, Vincenzo - SCARDINA, Francesco - GRECO, Vincenzo. Hadrons from coalescence plus fragmentation in AA collisions at energies available at the BNL Relativistic Heavy Ion Collider to the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 92, no. 5, art. no. 054904., Registrované v: WOS

26. [1.1] OLIINYCHENKO, D. - PANG, L.G. - ELFNER, H. - KOCH, V. Microscopic study of deuteron production in PbPb collisions at root $s=2.76$ TeV via hydrodynamics and a hadronic afterburner. In PHYSICAL REVIEW C. ISSN 2469-9985, APR 11 2019, vol. 99, no. 4., Registrované v: WOS
27. [1.1] PARRA, R.A. - UDDIN, S. - INAM-UL BASHIR - NANDA, H. - BASHIR, W. - AHMAD, R. Study of Pion Transverse Momentum Distributions in Ultra-Relativistic Heavy Ion Collisions: A USTFM Approach. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, AUG 2019, vol. 129, no. 2, p. 217-228., Registrované v: WOS
28. [1.1] PARVAN, A.S. - BHATTACHARYYA, T. Hadron transverse momentum distributions of the Tsallis normalized and unnormalized statistics. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, FEB 27 2020, vol. 56, no. 2., Registrované v: WOS
29. [1.1] PROROK, Dariusz. Single freeze-out, statistics and pion, kaon and proton production in central Pb-Pb collisions at root $s(NN)=2.76$ TeV. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 5, art. no. 055101., Registrované v: WOS
30. [1.1] PROROK, D. Centrality dependence of freeze-out temperature fluctuations in Pb-Pb collisions at the LHC. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, MAR 20 2019, vol. 55, no. 3., Registrované v: WOS
31. [1.1] PULAWSKI, Szymon. RECENT RESULTS FROM NA61/SHINE. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2015, vol. 46, no. 11, pp. 2381-2386., Registrované v: WOS
32. [1.1] PULAWSKI, Szymon. Recent results from the strong interactions program of NA61/SHINE. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 07033., Registrované v: WOS
33. [1.1] RAFELSKI, Johann. Melting hadrons, boiling quarks. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 9, art. no. 114., Registrované v: WOS
34. [1.1] RHOME, Ryan - FISHER, Rebecca - HORMIGO, Adilia - PARIKH, Rahul R. Disparities in receipt of modern concurrent chemoradiotherapy in glioblastoma. In JOURNAL OF NEURO-ONCOLOGY. ISSN 0167-594X, 2016, vol. 128, no. 2, pp. 241-250., Registrované v: WOS
35. [1.1] RHOME, Ryan - PARIKH, Rahul R. Early adoption of concurrent chemotherapy with both standard and hypofractionated radiation regimens in elderly patients with glioblastoma. In JOURNAL OF RADIATION ONCOLOGY. ISSN 1948-7894, 2017, vol. 6, no. 1, pp. 39-48., Registrované v: WOS
36. [1.1] RISTEA, C. - JIPA, A. - RISTEA, O. - LAZANU, I. - BESLIU, C. - ESANU, T. - CALIN, M. - TUTURAS, N. G. - BABAN, V. - ARGINTARU, D. HYDRODYNAMIC FLOW AND PHASE TRANSITIONS IN RELATIVISTIC NUCLEAR COLLISIONS REFLECTED BY HUBBLE TYPE FIREBALL EVOLUTION. In ROMANIAN REPORTS IN PHYSICS. ISSN 1221-1451, 2016, vol. 68, no. 3, pp. 1060-1068., Registrované v: WOS
37. [1.1] ROGLY, R. - GIACALONE, G. - OLLITRAULT, J.Y. Isolating dynamical net-charge fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, MAR 7 2019, vol. 99, no. 3., Registrované v: WOS
38. [1.1] RU, Peng - BARY, Ghulam - ZHANG, Wei-Ning. Pion

- transverse-momentum spectrum and elliptic anisotropy of partially coherent source. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 777, pp. 79-85., Registrované v: WOS
39. [1.1] SATAROV, L. M. - VOVCHENKO, V. - ALBA, P. - GORENSTEIN, M. I. - STOECKER, H. New scenarios for hard-core interactions in a hadron resonance gas. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 2, art. no. 024902., Registrované v: WOS
40. [1.1] SHAPOVAL, V.M. - ADZHYMAMBETOV, M.D. - SINYUKOV, Y.M. Femtoscopy scales and particle production in the relativistic heavy ion collisions from Au+Au at 200 AGeV to Xe+Xe at 5.44 ATeV within the integrated hydrokinetic model. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, OCT 12 2020, vol. 56, no. 10., Registrované v: WOS
41. [1.1] SHEN, Zhen-Yu - XU, Xiao-Ming. Temperature dependence of the cross sections for Meson-Meson nonresonant reactions in hadronic matter. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2015, vol. 66, no. 5, pp. 754-761., Registrované v: WOS
42. [1.1] SINYUKOV, Yu M. - SHAPOVAL, V. M. Particle production at energies available at the CERN Large Hadron Collider within an evolutionary model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 6, art. no. 064901., Registrované v: WOS
43. [1.1] SUN, Kai-Jia - CHEN, Lie-Wen. Production of Lambda Lambda and (Lambda n)over-bar in central Pb plus Pb collisions at root sNN=2.76 TeV within a covariant coalescence model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 6, art. no. 064908., Registrované v: WOS
44. [1.1] SUN, Kai-Jia - CHEN, Lie-Wen. Antimatter H-4(Lambda) hypernucleus production and the H-3(Lambda)/He-3 puzzle in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 6, art. no. 064909., Registrované v: WOS
45. [1.1] SUN, Kai-Jia - CHEN, Lie-Wen. Analytical coalescence formula for particle production in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 4, art. no. 044905., Registrované v: WOS
46. [1.1] TAWFIK, Abdel Nasser - YASSIN, Hayam - ELYAZEED, Eman R. Abo - MAHER, Muhammad - DIAB, Abdel Magied - WAHAB, Magda Abdel - ABOU EL DAHAB, Eiman. Phenomenology of strangeness production at high energies. In EPL. ISSN 0295-5075, 2016, vol. 116, no. 6, art. no. 62001., Registrované v: WOS
47. [1.1] TAWFIK, Abdel Nasser - WAHAB, Magda Abdel - YASSIN, Hayam - ELYAZEED, Eman R. Abo - EL DIN, Hadeer M. Nasr. Strangeness chemical potential from the baryons relative to the kaons particle ratios. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2017, vol. 26, no. 7, art. no. 1750046., Registrované v: WOS
48. [1.1] TAWFIK, Abdel Nasser - YASSIN, Hayam - ELYAZEED, Eman R. Abo. On thermodynamic self-consistency of generic axiomatic-nonextensive statistics. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 5, art. no. 053107., Registrované v: WOS
49. [1.1] TAWFIK, Abdel Nasser - YASSIN, Hayam - ELYAZEED, Eman R. Abo. Strangeness production in high-energy collisions and Hawking-Unruh radiation. In INTERNATIONAL JOURNAL OF MODERN

- PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2017, vol. 26, no. 3, art. no. 1750001., Registrované v: WOS
50. [1.1] TRAINOR, T.A. A two-component model for identified-hadron p(t) spectra from 5 TeV p-Pb collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, FEB 2020, vol. 47, no. 4., Registrované v: WOS
51. [1.1] WAQAS, M. - LIU, F.H. - FAKHRADDIN, S. - RAHIM, M.A. Possible scenarios for single, double, or multiple kinetic freeze-out in high-energy collisions. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, OCT 2019, vol. 93, no. 10, p. 1329-1343., Registrované v: WOS
52. [1.1] WAQAS, M. - LIU, F.H. Initial, effective, and kinetic freeze-out temperatures from transverse momentum spectra in high-energy proton(deuteron)-nucleus and nucleus-nucleus collisions. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, JAN 28 2020, vol. 135, no. 2., Registrované v: WOS
53. [1.1] YANG, Jing - REN, Yan-Yu - ZHANG, Wei-Ning. Pion Transverse Momentum Spectrum, Elliptic Flow, and Interferometry in the Granular Source Model for RHIC and LHC Heavy Ion Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 846154., Registrované v: WOS
54. [1.1] ZHANG, Y. - YANG, J. - WU, W.H. Squeezed back-to-back correlations of K⁺ K⁻ in d + Au collisions at root S-NN=200 GeV and Au plus Au collisions at root S-NN =62.4 GeV. In CHINESE PHYSICS C. ISSN 1674-1137, JUL 2019, vol. 43, no. 7., Registrované v: WOS
55. [1.1] ZHOU, C. S. - MA, Y. G. - ZHANG, S. Scaling of nuclear modification factors for hadrons and light nuclei. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 12, art. no. 354., Registrované v: WOS

ADCA712 ACHARYA, S. - ADAM, J. - ADAMOVÁ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. pi(0) and eta meson production in proton-proton collisions at root s=8 TeV. In *European Physical Journal C*, 2018, vol. 78, no. 3, art. no. 263. (2017: 5.172 - IF, Q1 - JCR, 2.022 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-018-5612-8>

Ohlasy:

1. [1.1] BALL, A. - BEAUREGARD, G. - BROOKE, J. - CAMPAGNARI, C. - CARRIGAN, M. - CITRON, M. - DE LA HAYE, J. - DE ROECK, A. - ELSKENS, Y. - FRANCO, R.E. - EZELDINE, M. - FRANCIS, B. - GASTAL, M. - GHIMIRE, M. - GOLDSTEIN, J. - GOLF, F. - GUIANG, J. - HAAS, A. - HELLER, R. - HILL, C.S. - LAVEZZO, L. - LOOS, R. - LOWETTE, S. - MAGILL, G. - MANLEY, B. - MARSH, B. - MILLER, D.W. - ODEGARD, B. - SAAB, F.R. - SAHILI, J. - SCHMITZ, R. - SETTI, F. - SHAKESHAFT, H. - STUART, D. - SWIATLOWSKI, M. - YOO, J. - ZARAKET, H. - ZHENG, H. Search for millicharged particles in proton-proton collisions at root S=13 TeV. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 6 2020, vol. 102, no. 3., Registrované v: WOS
2. [1.1] BASS, Steven D. - MOSKAL, Pawel. eta ' and eta mesons with connection to anomalous glue. In REVIEWS OF MODERN PHYSICS. ISSN

- 0034-6861, 2019, vol. 91, no. 1, art. no. 015003., Registrované v: WOS
3. [1.1] BERTONE, V. - HARTLAND, N. P. - NOCERA, E. R. - ROJO, J. - ROTTOLI, L. Charged hadron fragmentation functions from collider data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 8, art. no. 651., Registrované v: WOS
4. [1.1] KLUSEK-GAWENDA, Mariola. LIGHT-BY-LIGHT SCATTERING IN ULTRA-PERIPHERAL COLLISIONS IN THE FUTURE. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2019, vol. 50, no. 6, pp. 1077-1086., Registrované v: WOS
5. [1.1] MORIGGI, L.S. - PECCINI, G.M. - MACHADO, M.V.T. Investigating the inclusive transverse spectra in high-energy pp collisions in the context of geometric scaling framework. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 13 2020, vol. 102, no. 3., Registrované v: WOS

ADCA713 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Precise Measurement of the W-Boson Mass with the CDF II Detector. In *Physical Review Letters*, 2012, vol. 108, no. 15, art. no. 151803. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1142/S021773231330019X>

Ohlasy:

1. [1.1] BANERJEE, Shankha - MITRA, Manimala - SPANNOWSKY, Michael. Searching for a heavy Higgs boson in a Higgs-portal B L model. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 055013., Registrované v: WOS
2. [1.1] BOZZI, Giuseppe - CITELLI, Luca - VESTERINEN, Mika - VICINI, Alessandro. Prospects for improving the LHC W boson mass measurement with forward muons. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 12, art. no. 601., Registrované v: WOS
3. [1.1] GOODSSELL, M. D. - KRAUSS, M. E. - MUELLER, T. - POROD, W. - STAUB, F. Dark matter scenarios in a constrained model with Dirac gauginos. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 10, art. no. 132., Registrované v: WOS
4. [1.1] ROBENS, Tania - STEFANIAK, Tim. Status of the Higgs singlet extension of the standard model after LHC run 1. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 3, art. no. 104., Registrované v: WOS
5. [1.1] STAL, O. - WEIGLEIN, G. - ZEUNE, L. Improved prediction for the mass of the W boson in the NMSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art. no. 158., Registrované v: WOS

ADCA714 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Precise measurement of the W-boson mass with the Collider Detector at Fermilab. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2014, vol. 89, no. 7, art. no. 072003. (2013: 4.864 - IF, Q1 - JCR, 2.482 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.89.072003>

Ohlasy:

1. [1.1] BOZZI, Giuseppe - CITELLI, Luca - VESTERINEN, Mika - VICINI, Alessandro. Prospects for improving the LHC W boson mass measurement with forward muons. In EUROPEAN PHYSICAL JOURNAL C.

- ISSN 1434-6044, 2015, vol. 75, no. 12, art. no. 601., Registrované v: WOS
2. [1.1] BOZZI, G. - CITELLI, L. - VICINI, A. Parton density function uncertainties on the W boson mass measurement from the lepton transverse momentum distribution. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 113005., Registrované v: WOS
 3. [1.1] FORTE, S. - NISATI, A. - PASSARINO, G. - TENCHINI, R. - CALAME, C. M. Carloni - CHIESA, M. - COBAL, M. - CORCELLA, G. - DEGRASSI, G. - FERRERA, G. - MAGNEA, L. - MALTONI, F. - MONTAGNA, G. - NASON, P. - NICROSINI, O. - OLEARI, C. - PICCININI, F. - RIVA, F. - VICINI, A. The Standard Model from LHC to future colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 11, art. no. 554., Registrované v: WOS
 4. [1.1] QUACKENBUSH, Seth - SULLIVAN, Zack. Parton distributions and the W mass measurement. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 033008., Registrované v: WOS
 5. [1.1] RINGER, Felix - VOGELSANG, Werner. Single-spin asymmetries in W boson production at next-to-leading order. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 9, art. no. 094033., Registrované v: WOS

ADCA715 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Precision measurement and interpretation of inclusive W⁺, W⁻ and Z/gamma* production cross sections with the ATLAS detector. In *European Physical Journal C*, 2017, vol. 77, no. 6, art. no. 367. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-017-4911-9>

Ohlasy:

1. [1.1] ACCOMANDO, E. - FIASCHI, J. - HAUTMANN, F. - MORETTI, S. Neutral current forward-backward asymmetry: from theta(W) to PDF determinations. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 8, art. no. 663., Registrované v: WOS
2. [1.1] ACCOMANDO, E. - FIASCHI, J. - HAUTMANN, F. - MORETTI, S. Constraining parton distribution functions from neutral current Drell-Yan measurements. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 013003., Registrované v: WOS
3. [1.1] ALEEDANESHVAR, A. - KHORRAMIAN, A. The impact of the LHCb B⁺/_s⁺ production cross-section on parton distribution functions and determining the mass of heavy quarks. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 979, pp. 215-236., Registrované v: WOS
4. [1.1] ALEKHIN, S. - BLUEMLEIN, J. - MOCH, S. - PLACAKYTE, R. Parton distribution functions, alpha(s), and heavy-quark masses for LHC Run II. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 014011., Registrované v: WOS
5. [1.1] ALEKHIN, S. - BLUEMLEIN, J. - MOCH, S. Strange sea determination from collider data. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 777, pp. 134-140., Registrované v: WOS
6. [1.1] ANSELMINI, D. On the nature of the Higgs boson. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, MAY 30 2019, vol. 34, no. 16., Registrované v: WOS

7. [1.1] BAILEY, S. - HARLAND-LANG, L.A. Differential top quark pair production at the LHC: Challenges for PDF fits. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 25 2020, vol. 80, no. 1., Registrované v: WOS
8. [1.1] BALL, R.D. - NOCERA, E.R. - PEARSON, R.L. Nuclear uncertainties in the determination of proton PDFs: NNPDF Collaboration. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS
9. [1.1] BERTONE, Valerio - CARRAZZA, Stefano - HARTLAND, Nathan P. - ROJO, Juan. Illuminating the photon content of the proton within a global PDF analysis. In SCIPOST PHYSICS. ISSN 2542-4653, 2018, vol. 5, no. 1, art. no. 008., Registrované v: WOS
10. [1.1] BIFANI, S. - DESCOTES-GENON, S. - VIDAL, A.R. - SCHUNE, M.H. Review of lepton universality tests in B decays. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, FEB 2019, vol. 46, no. 2., Registrované v: WOS
11. [1.1] BISHARA, Fady - HAISCH, Ulrich - MONNI, Pier Francesco. Regarding light resonance interpretations of the B decay anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 055002., Registrované v: WOS
12. [1.1] BUCCIONI, F. - CAOLA, F. - DELTO, M. - JAQUIER, M. - MELNIKOV, K. - RONTSCH, R. Mixed QCD-electroweak corrections to on-shell Z production at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS
13. [1.1] CAMPBELL, J. - NEUMANN, T. Precision phenomenology with MCFM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 4 2019, no. 12., Registrované v: WOS
14. [1.1] CIERI, L. - DE FLORIAN, D. - DER, M. - MAZZITELLI, J. Mixed QCD circle times QED corrections to exclusive Drell Yan production using the q(T) -subtraction method. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 23 2020, no. 9., Registrované v: WOS
15. [1.1] FAURA, F. - IRANIPOUR, S. - NOCERA, E.R. - ROJO, J. - UBIALI, M. The strangest proton?. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 19 2020, vol. 80, no. 12., Registrované v: WOS
16. [1.1] GEESAMAN, D.F. - REIMER, P.E. The sea of quarks and antiquarks in the nucleon. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, APR 2019, vol. 82, no. 4., Registrované v: WOS
17. [1.1] GHOSH, S.S. Highlights from the Compact Muon Solenoid (CMS) Experiment. In UNIVERSE. JAN 2019, vol. 5, no. 1., Registrované v: WOS
18. [1.1] GRAZZINI, Massimiliano - KALLWEIT, Stefan - WIESEMANN, Marius. Fully differential NNLO computations with MATRIX. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 7, art. no. 537., Registrované v: WOS
19. [1.1] HOU, T.J. - YU, Z.T. - DULAT, S. - SCHMIDT, C. - YUAN, C.P. Updating and optimizing error parton distribution function sets in the Hessian approach. II. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 13 2019, vol. 100, no. 11., Registrované v: WOS
20. [1.1] JADACH, S. - WARD, B.F.L. - WAS, Z. - YOST, S.A. Systematic studies of exact $O(\alpha_L^2)$ CEEX EW corrections in a hadronic

- MC for precision Z/γ^* physics at LHC energies. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 30 2019, vol. 99, no. 7., Registrované v: WOS
21. [1.1] KHALEK, R.A. - BALL, R.D. - CARRAZZA, S. - FORTE, S. - GIANI, T. - KASSABOV, Z. - PEARSON, R.L. - NOCERA, E.R. - ROJO, J. - ROTTOLI, L. - UBIALI, M. - VOISEY, C. - WILSON, M. Parton distributions with theory uncertainties: general formalism and first phenomenological studies NNPDF Collaboration. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
22. [1.1] KHALEK, R.A. - ETHIER, J.J. - ROJO, J. - VAN WEELDEN, G. nNNPDF2.0: quark flavor separation in nuclei from LHC data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 28 2020, no. 9., Registrované v: WOS
23. [1.1] NAM, Jae D. Probing Strangeness via Charm Production in Charged Current DIS at HERA. In INTERNATIONAL WORKSHOP ON PHYSICS WITH POSITRONS AT JEFFERSON LAB. ISSN 0094-243X, 2018, vol. 1970, art. no. 030004., Registrované v: WOS
24. [1.1] NOCERA, E.R. - UBIALI, M. - VOISEY, C. Single top production in PDF fits. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 14 2020, no. 5., Registrované v: WOS
25. [1.1] SATO, N. - ANDRES, C. - ETHIER, J.J. - MELNITCHOUK, W. Strange quark suppression from a simultaneous Monte Carlo analysis of parton distributions and fragmentation functions. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 17 2020, vol. 101, no. 7., Registrované v: WOS
26. [1.1] VAZZOLER, F. Recent results on single vector boson plus jets production at CMS. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, MAR-JUN 2020, vol. 43, no. 2-3., Registrované v: WOS

ADCA716 ADAM, J. - ADAMOVIĆ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Precision measurement of the mass difference between light nuclei and anti-nuclei. In *Nature Physics*, 2015, vol. 11, no. 10, p. 811-814. (2014: 20.147 - IF, Q1 - JCR, 15.166 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1745-2473. Dostupné na: <https://doi.org/10.1038/NPHYS3432>

Ohlasy:

1. [1.1] GLIGOROV, Vladimir V. - KNAPEN, Simon - NACHMAN, Benjamin - PAPUCCI, Michele - ROBINSON, Dean J. Leveraging the ALICE/L3 cavern for long-lived particle searches. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 1., Registrované v: WOS
2. [1.1] CHEN, Jinhui - KEANE, Declan - MA, Yu-Gang - TANG, Aihong - XU, Zhangbu. Antinuclei in heavy-ion collisions. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2018, vol. 760, pp. 1-39., Registrované v: WOS
3. [1.1] SAMANTA, Chhanda. Superheavy nuclei and hypernuclei: extending the limits of the nuclear chart. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2019, vol. 322, no. 1, pp. 205-211., Registrované v: WOS
4. [1.1] SOZZI, M.S. Tests of discrete symmetries. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JAN

2020, vol. 47, no. 1., Registrované v: WOS

5. [1.1] SUMOWIDAGDO, Suharyo. Experimental study of matter under the influence non-abelian gauge theory. In CONFERENCE ON THEORETICAL PHYSICS AND NONLINEAR PHENOMENA 2016. ISSN 1742-6588, 2017, vol. 856, art. no. UNSP 012002., Registrované v: WOS

6. [1.1] SUN, Kai-Jia - CHEN, Lie-Wen. Production of antimatter Li-5, Li-6 nuclei in central Au plus Au collisions at root s(NN)=200 GeV. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 751, pp. 272-277., Registrované v: WOS

7. [1.1] SUN, Kai-Jia - CHEN, Lie-Wen. Antimatter H-4(Lambda) hypernucleus production and the H-3(Lambda)/He-3 puzzle in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 6, art. no. 064909., Registrované v: WOS

8. [1.1] XI, B.S. - ZHANG, Z.Q. - ZHANG, S. - MA, Y.G. Searching for (Li-4)over-bar via the momentum-correlation function of (p)over-bar-(He-3)over-bar. In PHYSICAL REVIEW C. ISSN 2469-9985, DEC 1 2020, vol. 102, no. 6., Registrované v: WOS

9. [1.1] ZHANG, Zheng-Qiao - MA, Yu-Gang. Measurements of momentum correlation and interaction parameters between antiprotons. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2016, vol. 27, no. 6, art. no. 152., Registrované v: WOS

ADCA717 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Precision Measurement of the X(3872) Mass in J/psi pi(+)pi(-) Decays. In *Physical Review Letters*, 2009, vol. 103, no. 15, art. no. 152001. (2008: 7.180 - IF, Q1 - JCR, 6.194 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.103.152001>

Ohlasy:

1. [1.1] ANISOVICH, V. V. - MATVEEV, M. A. - SARANTSEV, A. V. - SEMENOVA, A. N. Exotic mesons with hidden charm as diquark-antidiquark states. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 32, art. no. 1550186., Registrované v: WOS

2. [1.1] ESPOSITO, Angelo - GUERRIERI, Andrea L. - PICCININI, Fulvio - PILLONI, Alessandro - POLOSA, Antonio D. Four-quark hadrons: An updated review. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 4-5, art. no. 1530002., Registrované v: WOS

3. [1.1] LI, Gang - ZHOU, Zhu. Hunting for the X-b via hidden bottomonium decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 3, art. no. 034020., Registrované v: WOS

4. [1.1] OLSEN, Stephen Lars. A new hadron spectroscopy. In FRONTIERS OF PHYSICS. ISSN 2095-0462, 2015, vol. 10, no. 2, pp. 121-154., Registrované v: WOS

5. [1.1] SREETHAWONG, W. - XU, K. - YAN, Y. Exclusion of c(c)over-bar interpretation for X(3940). In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 2, art. no. 025001., Registrované v: WOS

ADCA718 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Precision Top-Quark Mass Measurement at CDF. In *Physical Review Letters*, 2012, vol. 109, no. 15, art. no. 152003. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.109.152003>

Ohlasy:

1. [1.1] BOOS, E. E. - BRANDT, O. E. - DENISOV, D. S. - DENISOV, S. P. - GRANNIS, P. D. The top quark (20 years after its discovery). In PHYSICS-USPEKHI. ISSN 1063-7869, 2015, vol. 58, no. 12, pp. 1133-1158., Registrované v: WOS
2. [1.1] DENISOV, Dmitri - VELLIDIS, Costas. The TOP QUARK, 20 years after its discovery. In PHYSICS TODAY. ISSN 0031-9228, 2015, vol. 68, no. 4, pp. 46-52., Registrované v: WOS
3. [1.1] CHRISTIANSEN, Jesper R. - SKANDS, Peter Z. String formation beyond leading colour. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 8, art. no. 003., Registrované v: WOS

ADCA719 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Probing lepton flavour violation via neutrinoless tau - 3 mu decays with the ATLAS detector. In *European Physical Journal C*, 2016, vol. 76, no. 5, art. no. 232. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4041-9>

Ohlasy:

1. [1.1] BLACKSTONE, P. - FAEL, M. - PASSEMAR, E. tau -> mu mu mu at a rate of one out of 10(14) tau decays?. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 5 2020, vol. 80, no. 6., Registrované v: WOS
2. [1.1] CRIVELLIN, A. - GHEZZI, M. - PANIZZI, L. - PRUNA, G.M. - SIGNER, A. Low- and high-energy phenomenology of a doubly charged scalar. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 7 2019, vol. 99, no. 3., Registrované v: WOS
3. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
4. [1.1] DE BRUYN, Kristof. Lepton Flavour Violation in Tau Decays: Results and Prospects at the LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 287, pp. 164-167., Registrované v: WOS
5. [1.1] GRAVERINI, E. Flavour anomalies: a review. In XIII INTERNATIONAL CONFERENCE ON BEAUTY, CHARM AND HYPERON HADRONS (BEACH 2018). ISSN 1742-6588, 2019, vol. 1137., Registrované v: WOS
6. [1.1] GUZZI, L. Search for the tau -> mu mu mu decay at CMS. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, MAR-JUN 2020, vol. 43, no. 2-3., Registrované v: WOS
7. [1.1] CHRZASZCZ, M. - DREWES, M. - GONZALO, T.E. - HARZ, J. - KRISHNAMURTHY, S. - WENIGER, C. A Frequentist analysis of three

right-handed neutrinos with GAMBIT. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 24 2020, vol. 80, no. 6., Registrované v: WOS

ADCA720 ACHARYA, S. - ADAMOŤÁ, D. - ADLER, A. - ADOLFSSON, J. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Probing the Effects of Strong Electromagnetic Fields with Charge-Dependent Directed Flow in Pb-Pb Collisions at the LHC. In *Physical Review Letters*, 2020, vol. 125, no. 2, art. no. 022301. (2019: 8.385 - IF, Q1 - JCR, 3.588 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.125.022301>

Ohlasy:

1. [1.1] GIACALONE, G. Turning up and down strong magnetic fields in relativistic nuclear collisions. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS
2. [1.1] KOOTHOTTIL, S. - BANNUR, V.M. Thermomagnetic properties and Debye screening for magnetized quark-gluon plasma using the extended self-consistent quasiparticle model. In PHYSICAL REVIEW C. ISSN 0556-2813, JUL 23 2020, vol. 102, no. 1., Registrované v: WOS
3. [1.1] KURIAN, M. Thermal transport in a weakly magnetized hot QCD medium. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 24 2020, vol. 102, no. 1., Registrované v: WOS

ADCA721 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Probing the Quantum Interference between Singly and Doubly Resonant Top-Quark Production in pp Collisions at root s=13 TeV with the ATLAS Detector. In *Physical Review Letters*, 2018, vol. 121, no. 15, art. no. 152002. (2017: 8.839 - IF, Q1 - JCR, 3.622 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.121.152002>

Ohlasy:

1. [1.1] NASSAR, H. - YOUSEFZADEH, B. - FLEURY, R. - RUZZENE, M. - ALU, A. - DARAIO, C. - NORRIS, A.N. - HUANG, G.L. - HABERMAN, M.R. Nonreciprocity in acoustic and elastic materials. In NATURE REVIEWS MATERIALS. ISSN 2058-8437, SEP 2020, vol. 5, no. 9, p. 667-685., Registrované v: WOS

ADCA722 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Probing the W tb vertex structure in t-channel single-top-quark production and decay in pp collisions at root s=8 TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2017, no. 4, art. no. 124. (2016: 6.063 - IF, Q1 - JCR, 1.163 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP04\(2017\)124](https://doi.org/10.1007/JHEP04(2017)124)

Ohlasy:

1. [1.1] BOOS, E. - DUDKO, L. - MANDRIK, P. - SLABOSPITSKII, S. Top Quark: Results and Prospects. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, MAY 2019, vol. 50, no. 3, p. 231-258., Registrované v: WOS

2. [1.1] FISCHER, M. - GROOTE, S. - KOERNER, J. G. T-odd correlations in polarized top quark decays in the sequential decay $t(\text{up arrow}) \rightarrow X\text{-b} + W + (-\rightarrow l(+) + \nu(l))$ and in the quasi-three-body decay $t(\text{up arrow}) \rightarrow X\text{-b} + l(+) + \nu(l)$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 093001., Registrované v: WOS
3. [1.1] GROOTE, S. - KOERNER, J. G. Positivity bound on the imaginary part of the right-chiral tensor coupling $g(R)$ in polarized top quark decay. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 111301., Registrované v: WOS
4. [1.1] JUEID, Adil. Probing anomalous Wtb couplings at the LHC in single t-channel top quark production. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 053006., Registrované v: WOS

ADCA723 ACHARYA, S. - ADAM, J. - ADAMOVÁ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Production of deuterons, tritons, He-3 nuclei, and their antinuclei in pp collisions at root s=0.9, 2.76, and 7 TeV. In *Physical Review C*, 2018, vol. 97, no. 2, art. no. 024615. (2017: 3.304 - IF, Q2 - JCR, 1.443 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.97.024615>

Ohlasy:

1. [1.1] ARAMAKI, T. - ADRIAN, P.O.H. - KARAGIORGI, G. - ODAKA, H. Dual MeV gamma-ray and dark matter observatory - GRAMS Project. In ASTROPARTICLE PHYSICS. ISSN 0927-6505, JAN 2020, vol. 114, p. 107-114., Registrované v: WOS
2. [1.1] BAZAK, S. - MROWCZYNSKI, S. Production of Li-4 and p-He-3 correlation function in relativistic heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, JUL 28 2020, vol. 56, no. 7., Registrované v: WOS
3. [1.1] BHATTACHARYYA, T. - MUKHERJEE, A. Propagation of non-linear waves in hot, ideal, and non-extensive quark-gluon plasma. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 22 2020, vol. 80, no. 7., Registrované v: WOS
4. [1.1] BLEICHER, Marcus - HILLMANN, Paula - REICHERT, Tom - STEINHEIMER, Jan - SOMBUN, Sukanya - HEROLD, Christoph - LIMPHIRAT, Ayut - YANG, Yupeng. Transport model calculations of deuteron production in relativistic hadron and heavy-ion collisions. In ASTRONOMISCHE NACHRICHTEN. ISSN 0004-6337, 2019, vol. 340, no. 9-10, pp. 977-982., Registrované v: WOS
5. [1.1] BLUM, Kfir - TAKIMOTO, Masahiro. Nuclear coalescence from correlation functions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, art. no. 044913., Registrované v: WOS
6. [1.1] DI PIETRO, P. BIOLOGICAL CHIRALITY Foreword (President of the Academy). In BIOLOGICAL CHIRALITY. 2020, p. VII-+., Registrované v: WOS
7. [1.1] CHEN, Jinhui - KEANE, Declan - MA, Yu-Gang - TANG, Aihong - XU, Zhangbu. Antinuclei in heavy-ion collisions. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2018, vol. 760, pp. 1-39., Registrované v: WOS

8. [1.1] CHOLIS, Ilias - LINDEN, Tim - HOOPER, Dan. A robust excess in the cosmic-ray antiproton spectrum: Implications for annihilating dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, 2019, vol. 99, no. 10, art. no. 103026., Registrované v: WOS
9. [1.1] CHOLIS, I. - LINDEN, T. - HOOPER, D. Antideuterons and antihelium nuclei from annihilating dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 16 2020, vol. 102, no. 10., Registrované v: WOS
10. [1.1] KACHELRIESS, M. - OSTAPCHENKO, S. - TJEMSLAND, J. Alternative coalescence model for deuteron, tritium, helium-3 and their antinuclei. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, JAN 9 2020, vol. 56, no. 1., Registrované v: WOS
11. [1.1] KORSMEIER, Michael - DONATO, Fiorenza - FORNENGO, Nicolao. Prospects to verify a possible dark matter hint in cosmic antiprotons with antideuterons and antihelium. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 10, art. no. 103011., Registrované v: WOS
12. [1.1] MROWCZYNSKI, S. Production of light nuclei at colliders - coalescence vs. thermal model. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 22-23, p. 3559-3583., Registrované v: WOS
13. [1.1] PARVAN, A.S. - BHATTACHARYYA, T. Hadron transverse momentum distributions of the Tsallis normalized and unnormalized statistics. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, FEB 27 2020, vol. 56, no. 2., Registrované v: WOS
14. [1.1] POULIN, Vivian - SALATI, Pierre - CHOLIS, Ilias - KAMIONKOWSKI, Marc - SILK, Joseph. Where do the AMS-02 antihelium events come from? In PHYSICAL REVIEW D. ISSN 1550-7998, 2019, vol. 99, no. 2, art. no. 023016., Registrované v: WOS
15. [1.1] RAGAB, N.A. - SHE, Z.L. - CHEN, G. Light (anti-)nuclei and (anti-)hypertriton production in pp collisions at $\sqrt{s}=0.90, 2.76$ and 7 TeV. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, SEP 17 2020, vol. 135, no. 9., Registrované v: WOS
16. [1.1] SHUKLA, A. - DATTA, A. - VON DOETINCHEM, P. - GOMEZ-CORAL, D.M. - KANITZ, C. Large-scale simulations of antihelium production in cosmic-ray interactions. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 10 2020, vol. 102, no. 6., Registrované v: WOS
17. [1.1] SOMBUN, Sukanya - TOMUANG, Kristiya - LIMPHIRAT, Ayut - HILLMANN, Paula - HEROLD, Christoph - STEINHEIMER, Jan - YAN, Yupeng - BLEICHER, Marcus. Deuteron production from phase-space coalescence in the UrQMD approach. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 1, art. no. 014901., Registrované v: WOS
18. [1.1] STOCK, R. - BECATTINI, F. - BLEICHER, M. - STEINHEIMER, J. The QCD Phase Diagram from Statistical Model Analysis. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 827-830., Registrované v: WOS

ADCA724 ACHARYA, S. - ADAMOVÁ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin - KALIŇÁK, Peter. Production of He-4 and $(4)(\text{He})$ over bar in Pb-Pb collisions at $\sqrt{(NN)-N-S}=2.76$ TeV at the LHC. In *Nuclear Physics A*, 2018, vol. 971, p. 1-20. (2017: 1.992 - IF, Q2 - JCR, 0.938 - SJR, Q2 - SJR, Current

Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0375-9474.
Dostupné na: <https://doi.org/10.1016/j.nuclphysa.2017.12.004>

Ohlasy:

1. [1.1] AICHELIN, J. - BRATKOVSKAYA, E. - LE FEVRE, A. - KIREYEU, V. - KOLESNIKOV, V. - LEIFELS, Y. - VORONYUK, V. - COCI, G. Parton-hadron-quantum-molecular dynamics: A novel microscopic n-body transport approach for heavy-ion collisions, dynamical cluster formation, and hypernuclei production. In PHYSICAL REVIEW C. ISSN 2469-9985, APR 24 2020, vol. 101, no. 4., Registrované v: WOS
2. [1.1] BAZAK, Sylwia - MROWCZYNSKI, Stanislaw. He-4 versus Li-4 and production of light nuclei in relativistic heavy-ion collisions. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2018, vol. 33, no. 25, art. no. 1850142., Registrované v: WOS
3. [1.1] BAZAK, S. - MROWCZYNSKI, S. Production of Li-4 and p-He-3 correlation function in relativistic heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, JUL 28 2020, vol. 56, no. 7., Registrované v: WOS
4. [1.1] BISWAS, D. Formation of light nuclei at chemical freezeout: Description within a statistical thermal model. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 3 2020, vol. 102, no. 5., Registrované v: WOS
5. [1.1] CAI, Yiming - COHEN, Thomas D. - GELMAN, Boris A. - YAMAUCHI, Yukari. Yields of weakly bound light nuclei as a probe of the statistical hadronization model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2, art. no. 024911., Registrované v: WOS
6. [1.1] CHEN, Jinhui - KEANE, Declan - MA, Yu-Gang - TANG, Aihong - XU, Zhangbu. Antinuclei in heavy-ion collisions. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2018, vol. 760, pp. 1-39., Registrované v: WOS
7. [1.1] KACHELRIESS, M. - OSTAPCHENKO, S. - TJEMSLAND, J. Alternative coalescence model for deuteron, tritium, helium-3 and their antinuclei. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, JAN 9 2020, vol. 56, no. 1., Registrované v: WOS
8. [1.1] MROWCZYNSKI, S. Production of light nuclei at colliders - coalescence vs. thermal model. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 22-23, p. 3559-3583., Registrované v: WOS
9. [1.1] RAGAB, N.A. - SHE, Z.L. - CHEN, G. Light (anti-)nuclei and (anti-)hypertriton production in pp collisions at $\sqrt{s}=0.90, 2.76$ and 7 TeV. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, SEP 17 2020, vol. 135, no. 9., Registrované v: WOS
10. [1.1] SHUKLA, A. - DATTA, A. - VON DOETINCHEM, P. - GOMEZ-CORAL, D.M. - KANITZ, C. Large-scale simulations of antihelium production in cosmic-ray interactions. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 10 2020, vol. 102, no. 6., Registrované v: WOS
11. [1.1] SHURYAK, E. - TORRES-RINCON, J.M. Light-nuclei production and search for the QCD critical point. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, SEP 29 2020, vol. 56, no. 9., Registrované v: WOS
12. [1.1] SHURYAK, E. - TORRES-RINCON, J.M. Baryon preclustering at the freeze-out of heavy-ion collisions and light-nuclei production. In

PHYSICAL REVIEW C. ISSN 2469-9985, MAR 23 2020, vol. 101, no. 3.,
Registrované v: WOS

13. [1.1] VOVCHENKO, Volodymyr - GORENSTEIN, Mark -
STOECKER, Horst. Finite resonance widths influence the thermal-model
description of hadron yields. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018,
vol. 98, no. 3, art. no. 034906., Registrované v: WOS

14. [1.1] VOVCHENKO, V. - GALLMEISTER, K. -
SCHAFFNER-BIELICH, J. - GREINER, C. Nucleosynthesis in heavy-ion
collisions at the LHC via the Saha equation. In PHYSICS LETTERS B. ISSN
0370-2693, JAN 10 2020, vol. 800., Registrované v: WOS

15. [1.1] ZOLLNER, R. - KAMPFER, B. Phase structures emerging from
holography with Einstein-gravity-dilaton models at finite temperature. In
EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, MAR 16 2020,
vol. 135, no. 3., Registrované v: WOS

ADCA725 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan -
KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin.
Production of charged pions, kaons and protons at large transverse momenta in pp
and Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV. In *Physics Letters B*, 2014, vol. 736,
p. 196-207. (2013: 6.019 - IF, Q1 - JCR, 3.707 - SJR, Q1 - SJR, Current Contents -
CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na:
<https://doi.org/10.1016/j.physletb.2014.07.011>

Ohlasy:

1. [1.1] ABREU, L. M. - KHEMCHANDANI, K. P. - MARTINEZ
TORRES, A. - NAVARRA, F. S. - NIELSEN, M. Update on J/psi regeneration
in a hadron gas. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no.
4, art. no. 044902., Registrované v: WOS

2. [1.1] ADUSZKIEWICZ, Antoni. Recent results from NA61/SHINE.
In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 35-42.,
Registrované v: WOS

3. [1.1] ARAKELYAN, G. H. - MERINO, C. - SHABELSKI, Yu. M. -
SHUVAEV, A. Inelastic nuclear screening for different secondaries produced in
p plus Pb collisions at LHC energy. In PHYSICAL REVIEW D. ISSN
2470-0010, 2017, vol. 95, no. 7, art. no. 074013., Registrované v: WOS

4. [1.1] ASCHENAUER, E.C. - BORSA, I. - SASSOT, R. - VAN
HULSE, C. Semi-inclusive deep-inelastic scattering, parton distributions, and
fragmentation functions at a future electron-ion collider. In PHYSICAL
REVIEW D. ISSN 2470-0010, MAY 7 2019, vol. 99, no. 9., Registrované v:
WOS

5. [1.1] BARNAFOELDI, Gergely Gabor - UERMOESSY, Karoly -
BIRO, Gabor. A 'soft hard' model for Pion, Kaon, and Proton Spectra and
epsilon(9) measured in PbPb Collisions at $\sqrt{s}=2.76$ ATeV. In HOT QUARKS
2014: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF
ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS. ISSN
1742-6588, 2015, vol. 612, art. no. 012048., Registrované v: WOS

6. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON
INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON
INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+.,
Registrované v: WOS

7. [1.1] BERTONE, V. - HARTLAND, N. P. - NOCERA, E. R. - ROJO,

- J. - ROTTOLI, L. Charged hadron fragmentation functions from collider data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 8, art. no. 651., Registrované v: WOS
8. [1.1] BIALAS, A. - BZDAK, A. Short-range two-particle correlations from statistical clusters. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 094015., Registrované v: WOS
9. [1.1] BIERLICH, Christian - GUSTAFSON, Gosta - LONNBLAD, Leif - TARASOV, Andrey. Effects of overlapping strings in pp collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, vol., no. 3, art. no. 148., Registrované v: WOS
10. [1.1] BIRO, Gabor - BARNAFOLDI, Gergely Gabor - BIRO, Tomas Sandor - URMOSY, Karoly - TAKACS, Adam. Systematic Analysis of the Non-Extensive Statistical Approach in High Energy Particle Collisions-Experiment vs. Theory. In ENTROPY. ISSN 1099-4300, 2017, vol. 19, no. 3, art. no. 88., Registrované v: WOS
11. [1.1] BIRO, Gabor - BARNAFOLDI, Gergely Gabor - BIRO, Tamas Sandor - URMOSY, Karoly. Application of the Non-extensive Statistical Approach to High Energy Particle Collisions. In BAYESIAN INFERENCE AND MAXIMUM ENTROPY METHODS IN SCIENCE AND ENGINEERING (MAXENT 2016). ISSN 0094-243X, 2017, vol. 1853, art. no. UNSP 080001-1., Registrované v: WOS
12. [1.1] BIRO, G. - BARNAFOLDI, G.G. - BIRO, T.S. Tsallis-thermometer: a QGP indicator for large and small collisional systems. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, OCT 2020, vol. 47, no. 10., Registrované v: WOS
13. [1.1] BLUM, Kfir - SATO, Ryosuke - TAKIMOTO, Masahiro. e^{+} and (p) over-bar production in pp collisions and the cosmic-ray $e^{+}/(p)$ over-bar ratio. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 6, art. no. 063022., Registrované v: WOS
14. [1.1] BORSA, Ignacio - SASSOT, Rodolfo - STRATMANN, Marco. Probing the sea quark content of the proton with one-particle-inclusive processes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 094020., Registrované v: WOS
15. [1.1] BRATKOVSKAYA, E. L. - CASSING, W. - KONCHAKOVSKI, V. P. - TONEEV, V. D. The QGP dynamics in relativistic collisions. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2014). ISSN 1742-6588, 2015, vol. 623, art. no. 012005., Registrované v: WOS
16. [1.1] DE FLORIAN, Daniel - EPELE, Manuel - HERNANDEZ-PINTO, Roger J. - SASSOT, R. - STRATMANN, Marco. Parton-to-kaon fragmentation revisited. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 094019., Registrované v: WOS
17. [1.1] EPELE, M. - CANAL, C.G. - SASSOT, R. Heavy quark mass effects in parton-to-kaon hadronization probabilities. In PHYSICS LETTERS B. ISSN 0370-2693, MAR 10 2019, vol. 790, p. 102-107., Registrované v: WOS
18. [1.1] HELENIUS, Ilkka - PAUKKUNEN, Hannu - ESKOLA, Kari J. Neutron-skin effect in direct-photon and charged-hadron production in Pb plus Pb collisions at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 3, art. no. 148., Registrované v: WOS
19. [1.1] HERNANDEZ-PINTO, R. J. - EPELE, M. - DE FLORIAN, D. -

- SASSOT, R. - STRATMANN, M. Global extraction of the parton-to-kaon fragmentation functions at NLO in QCD. In 31ST ANNUAL MEETING OF THE DIVISION OF PARTICLES AND FIELDS (DPYC) OF THE MEXICAN PHYSICAL SOCIETY. ISSN 1742-6588, 2017, vol. 912, art. no. 012043., Registrované v: WOS
20. [1.1] CHEN, S.Y. - ZHANG, B.W. - WANG, E.K. Jet charge in high-energy nuclear collisions. In CHINESE PHYSICS C. ISSN 1674-1137, FEB 2020, vol. 44, no. 2., Registrované v: WOS
21. [1.1] CHEN, Ya-Hui - LIU, Fu-Hu - LACEY, Roy A. Event Patterns Extracted from Transverse Momentum and Rapidity Spectra of Z Bosons and Quarkonium States Produced in pp and Pb-Pb Collisions at LHC. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 9876253., Registrované v: WOS
22. [1.1] CHO, S. - SUN, K.J. - KO, C.M. - LEE, S.H. - OH, Y. Charmed hadron production in an improved quark coalescence model. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 18 2020, vol. 101, no. 2., Registrované v: WOS
23. [1.1] KACHELRIESS, M.M. - OSTAPCHENKO, S. - TJEMSLAND, J. Revisiting cosmic ray antinuclei fluxes with a new coalescence model. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, AUG 2020, no. 8., Registrované v: WOS
24. [1.1] KONCHAKOVSKI, V. P. - CASSING, W. - TONEEV, V. D. Impact of the initial size of spatial fluctuations on the collective flow in Pb-Pb collisions at root S-NN=2.76 TeV. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 5, art. no. 055106., Registrované v: WOS
25. [1.1] LAO, Hai-Ling - LIU, Fu-Hu - LI, Bao-Chun - DUAN, Mai-Ying - LACEY, Roy A. Examining the model dependence of the determination of kinetic freeze-out temperature and transverse flow velocity in small collision system. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2018, vol. 29, no. 11, art. no. 164., Registrované v: WOS
26. [1.1] LINNYK, O. - BRATKOVSKAYA, E. L. - GASSING, W. Effective QCD and transport description of dilepton and photon production in heavy-ion collisions and elementary processes. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 87, pp. 50-115., Registrované v: WOS
27. [1.1] LYSAKOWSKI, Bartosz. RECENT RESULTS AND THE FUTURE OF THE NA61/SHINE STRONG INTERACTIONS PROGRAM. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2018, vol. 49, no. 3, pp. 699-704., Registrované v: WOS
28. [1.1] MA, G.Y. - DAI, W. - ZHANG, B.W. - WANG, E.K. NLO Productions of and K_S^0 with a global extraction of the jet transport parameter in heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 17 2019, vol. 79, no. 6., Registrované v: WOS
29. [1.1] MINISALE, Vincenzo - SCARDINA, Francesco - GRECO, Vincenzo. Hadrons from coalescence plus fragmentation in AA collisions at energies available at the BNL Relativistic Heavy Ion Collider to the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 92, no. 5, art. no. 054904., Registrované v: WOS
30. [1.1] OLIMOV, K.K. - IQBAL, A. - MASOOD, S. Systematic

- analysis of midrapidity transverse momentum spectra of identified charged particles in p plus p collisions at $(s_{nn})^{1/2}=2.76, 5.02, \text{ and } 7 \text{ TeV}$ at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, SEP 30 2020, vol. 35, no. 27., Registrované v: WOS
31. [1.1] OLIMOV, K.K. - KANOKOVA, S.Z. - OLIMOV, A.K. - UMAROV, K.I. - TUKHTAEV, B.J. - GULAMOV, K.G. - YULDASHEV, B.S. - LUTPULLAEV, S.L. - SAIDKHANOV, N.S. - OLIMOV, K. - SADYKOV, T.K. Combined analysis of midrapidity transverse momentum spectra of the charged pions and kaons, protons and antiprotons in p plus p and Pb plus Pb collisions at $(s_{nn})^{1/2}=2.76 \text{ and } 5.02 \text{ TeV}$ at the LHC. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, SEP 21 2020, vol. 35, no. 29., Registrované v: WOS
32. [1.1] ORTIZ VELASQUEZ, Antonio. Mean $p(T)$ scaling with $m/n(q)$ at the LHC: Absence of (hydro) flow in small systems? In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 943, pp. 9-17., Registrované v: WOS
33. [1.1] ORTIZ, Antonio - VAZQUEZ, Omar. Energy density and path-length dependence of the fractional momentum loss in heavy-ion collisions at root S (N N) from 62.4 to 5020 GeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 1, art. no. 014910., Registrované v: WOS
34. [1.1] PARVAN, A. S. Comparison of Tsallis statistics with the Tsallis-factorized statistics in the ultrarelativistic pp collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 12, art. no. 355., Registrované v: WOS
35. [1.1] PROROK, Dariusz. Single freeze-out, statistics and pion, kaon and proton production in central Pb-Pb collisions at root $s(NN)=2.76 \text{ TeV}$. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 5, art. no. 055101., Registrované v: WOS
36. [1.1] PULAWSKI, Szymon. RECENT RESULTS FROM NA61/SHINE. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2015, vol. 46, no. 11, pp. 2381-2386., Registrované v: WOS
37. [1.1] PULAWSKI, Szymon. Recent results from the strong interactions program of NA61/SHINE. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 07033., Registrované v: WOS
38. [1.1] QIAO, L.Y. - CHE, G.R. - GU, J.B. - ZHENG, H. - ZHANG, W.C. Nuclear modification factor in Pb-Pb and p-Pb collisions using Boltzmann transport equation. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JUL 2020, vol. 47, no. 7., Registrované v: WOS
39. [1.1] RAGAB, N.A. - SHE, Z.L. - CHEN, G. Light (anti-)nuclei and (anti-)hypertriton production in pp collisions at root $s=0.90, 2.76 \text{ and } 7 \text{ TeV}$. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, SEP 17 2020, vol. 135, no. 9., Registrované v: WOS
40. [1.1] SAKAI, Shingo. Heavy-flavour productions in the relativistic heavy ion collisions in LHC. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 07020., Registrované v: WOS
41. [1.1] SARASWAT, Kapil - SHUKLA, Prashant - SINGH, Venktesh. Transverse momentum spectra of hadrons in high energy pp and heavy ion collisions. In JOURNAL OF PHYSICS COMMUNICATIONS. ISSN 2399-6528, 2018, vol. 2, no. 3, art. no. 035003., Registrované v: WOS

42. [1.1] SETT, Priyanka - SHUKLA, Prashant. Inferring freeze-out parameters from pion measurements at RHIC and LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2015, vol. 24, no. 6, art. no. 1550046., Registrované v: WOS
43. [1.1] SHEN, K.M. - BARNAFOLDI, G.G. - BIRO, T.S. Hadronization within the non-extensive approach and the evolution of the parameters. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, AUG 13 2019, vol. 55, no. 8., Registrované v: WOS
44. [1.1] SINGH, Arpit - SRIVASTAVA, P. K. - CHATURVEDI, O. S. K. - AHMAD, S. - SINGH, B. K. Transverse momentum distribution and elliptic flow of charged hadrons in U plus U collisions at root S-NN=193 GeV using HYDJET plus. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 5, art. no. 419., Registrované v: WOS
45. [1.1] TAWFIK, A.N. Out-Of-Equilibrium Transverse Momentum Spectra of Pions at LHC Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2019, vol. 2019., Registrované v: WOS
46. [1.1] TRAINOR, Thomas A. Rescuing the nonjet (NJ) azimuth quadrupole from the flow narrative. In XLVI INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2016). ISSN 2100-014X, 2017, vol. 141, art. no. UNSP 05004., Registrované v: WOS
47. [1.1] ZHANG, W. C. Scaling behaviours of the p(T) spectra for identified hadrons in pp collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 1, art. no. 015003., Registrované v: WOS
48. [1.1] ZHENG, H. - ZHU, Lilin. Can Tsallis Distribution Fit All the Particle Spectra Produced at RHIC and LHC? In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 180491., Registrované v: WOS
49. [1.1] ZHENG, H. - ZHU, Lilin. Comparing the Tsallis Distribution with and without Thermodynamical Description in p plus p Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 9632126., Registrované v: WOS

ADCA726 ABELEV, Betty - ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Production of inclusive upsilon(1S) and upsilon(2S) in p-Pb collisions at, root S-NN=5.02 TeV. In *Physics Letters B*, 2015, vol. 740, p. 105-117. (2014: 6.131 - IF, Q1 - JCR, 3.562 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2014.11.041>

Ohlasy:

1. [1.1] DE LA MADRID, Rafael. The decay widths, the decay constants, and the branching fractions of a resonant state. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 940, pp. 297-310., Registrované v: WOS
2. [1.1] DINH, V. H. - HOELCK, J. - WOLSCHIN, G. Hot-medium effects on Upsilon yields in pPb collisions at root S-NN=8.16 TeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2., Registrované v: WOS
3. [1.1] DUCLOUE, B. - LAPPI, T. - MANTYSAARI, H. Forward J/psi

production in proton-nucleus collisions at high energy. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 114005., Registrované v: WOS

4. [1.1] DU, X. - HE, M. - RAPP, R. Color screening and regeneration of bottomonia in high-energy heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 5, art. no. 054901., Registrované v: WOS

5. [1.1] FRONZE, G. G. Measurements of quarkonium production in p-Pb and Pb-Pb collisions with ALICE at LHC. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2018, vol. 41, no. 1-2, art. no. 14., Registrované v: WOS

6. [1.1] HONG, J. - LEE, S.H. (sic)(1S) transverse momentum spectra through dissociation and regeneration in heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, FEB 10 2020, vol. 801., Registrované v: WOS

7. [1.1] HU, Qipeng. Upsilon(nS) Production in p plus Pb Collisions at 5.02 TeV with ATLAS. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 685-688., Registrované v: WOS

8. [1.1] KIKOLA, Daniel. Five things you should remember about heavy flavor measurements. In HOT QUARKS 2014: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS. ISSN 1742-6588, 2015, vol. 612, art. no. 012023., Registrované v: WOS

9. [1.1] KUSINA, Aleksander - LANSBERG, Jean-Philippe - SCHIENBEIN, Ingo - SHAO, Hua-Sheng. Gluon Shadowing in Heavy-Flavor Production at the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 5, art. no. 052004., Registrované v: WOS

10. [1.1] KUSINA, A. - LANSBERG, J. P. - SCHIENBEIN, I. - SHAO, H. S. IMPACT OF LHC HEAVY-FLAVOUR DATA ON NUCLEAR GLUON PDF. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2018, vol. 49, no. 6, pp. 1185-1198., Registrované v: WOS

11. [1.1] MANTYSAARI, Heikki - PAUKKUNEN, Hannu. Saturation and forward jets in proton-lead collisions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 11., Registrované v: WOS

12. [1.1] MA, Rongrong. Experimental summary for heavy flavor production. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012020., Registrované v: WOS

13. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS

14. [1.1] SINGH, Captain R. - GANESH, S. - MISHRA, M. Centrality and transverse momentum dependent suppression of $\psi(1S)$ and $\psi(2S)$ in p-Pb and Pb-Pb collisions at the CERN Large Hadron Collider. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 2., Registrované v: WOS

15. [1.1] SUN, Junfeng - CHEN, Lili - WANG, Na - CHANG, Qin - HUANG, Jinshu - YANG, Yueling. Study on the $Y(1S) \rightarrow B_c M$ Weak Decays. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 691261., Registrované v: WOS

16. [1.1] SUN, Junfeng - LI, Qingxia - YANG, Yueling - LI, Haiyan -

- CHANG, Qin - ZHANG, Zhiqing. Upsilon(1S) \rightarrow B-c π , BcK decays with perturbative QCD approach. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 074028., Registrované v: WOS
17. [1.1] SUN, Junfeng - YANG, Yueling - HUANG, Jinshu - LU, Gongru - CHANG, Qin. Y(nS) \rightarrow B-c ρ , BcK* decays with perturbative QCD approach. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 911, pp. 890-901., Registrované v: WOS
18. [1.1] SUN, Junfeng - YANG, Yueling - LI, Qingxia - LU, Gongru - HUANG, Jinshu - CHANG, Qin. The (sic) (1S) \rightarrow B-c ρ decay with perturbative QCD approach. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 909, pp. 186-196., Registrované v: WOS
19. [1.1] SUN, Junfeng - YANG, Yueling - LI, Qingxia - LU, Gongru - HUANG, Jinshu - CHANG, Qin. Study of the gamma (1S) \rightarrow BcDs* decay with pQCD approach. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 12, art. no. 1650061., Registrované v: WOS
20. [1.1] SUN, Junfeng - YANG, Yueling - LI, Qingxia - LI, Haiyan - WANG, Na - CHANG, Qin - HUANG, Jinshu. Study on the gamma (1S) \rightarrow BcDs decay. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 903, pp. 374-386., Registrované v: WOS
21. [1.1] SUN, Junfeng - YANG, Yueling - LI, Qingxia - LI, Haiyan - CHANG, Qin - HUANG, Jinshu. The Upsilon (nS) \rightarrow BcDs, BcDd decays with perturbative QCD approach. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 752, pp. 322-328., Registrované v: WOS
22. [1.1] SUN, Junfeng - YANG, Yueling - CHANG, Qin - LU, Gongru - HUANG, Jinshu. gamma(nS) \rightarrow B-c* π , B-c*K Decays with Perturbative QCD Approach. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 4893649., Registrované v: WOS
23. [1.1] VOGT, R. Shadowing effects on J/psi and Upsilon production at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 3, art. no. 034909., Registrované v: WOS
24. [1.1] YANG, Yueling - SUN, Junfeng - GUO, Yan - LI, Qingxia - HUANG, Jinshu - CHANG, Qin. Study of Upsilon(nS) \rightarrow BcP decays with perturbative QCD approach. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 751, pp. 171-176., Registrované v: WOS
25. [1.1] YANG, Yueling - SUN, Junfeng - HUANG, Jinshu - LI, Haiyan - LU, Gongru - CHANG, Qin. Upsilon (nS) \rightarrow B-c(*) D decays with perturbative QCD approach. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 26, art. no. 1650146., Registrované v: WOS
26. [1.1] YU, Gong-Ming - CAI, Yang-Bing - LI, Yun-De - WANG, Jian-Song. Heavy quarkonium photoproduction in ultrarelativistic heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 1, art. no. 014905., Registrované v: WOS

ADCA727 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - ŠÁNDOR, Ladislav - VALA, Martin. Production of K*(892)(0) and phi(1020) in pp collisions at root s=7 TeV. In *European Physical Journal C*, 2012, vol. 72, no. 10, art. no. 2183. (2011: 3.631 - IF, Q2 - JCR, 2.962 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-012-2183-y>

Ohlasy:

1. [1.1] ARAKELYAN, G. H. - MERINO, C. - SHABELSKI, Yu M. Description of phi-meson production in hadronic and nuclear collisions at very high energies. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 33, art. no. 1850202., Registrované v: WOS
2. [1.1] ARAKELYAN, G.H. - MERINO, C. - SHABELSKI, Y.M. Hadroproduction of neutral K^* -mesons up to LHC energies. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, SEP 2019, vol. 55, no. 9., Registrované v: WOS
3. [1.1] ARAKELYAN, G.H. - MERINO, C. - SHABELSKI, Y.M. Theoretical description of hadroproduction and production on nuclear targets of phi-mesons at very high energies. In XIII INTERNATIONAL CONFERENCE ON BEAUTY, CHARM AND HYPERON HADRONS (BEACH 2018). ISSN 1742-6588, 2019, vol. 1137., Registrované v: WOS
4. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
5. [1.1] JIANG, Kun - ZHU, Yinying - LIU, Weitao - CHEN, Hongfang - LI, Cheng - RUAN, Lijuan - TANG, Zebo - XU, Zhangbu. Onset of radial flow in p plus p collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 2, art. no. 024910., Registrované v: WOS
6. [1.1] KUNDU, Sourav. Identified Hadron Production in Proton-Proton Collisions at $\sqrt{s}=13$ TeV with ALICE at the LHC. In XXII DAE HIGH ENERGY PHYSICS SYMPOSIUM. ISSN 0930-8989, 2018, vol. 203, pp. 497-499., Registrované v: WOS
7. [1.1] MARTIN, T. - SKANDS, P. - FARRINGTON, S. Probing collective effects in hadronisation with the extremes of the underlying event. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 299., Registrované v: WOS
8. [1.1] MUKHAMEDSHIN, R.A. FANSY 2.0: A Monte Carlo tool for study of superhigh-energy cosmic-ray interactions Proton-proton interactions. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, NOV 2019, vol. 134, no. 11., Registrované v: WOS
9. [1.1] PARYEV, E.Y. Near-threshold $K^*(892)^{+}$ meson production in the interaction of π^{-} mesons with nuclei. In CHINESE PHYSICS C. ISSN 1674-1137, NOV 2020, vol. 44, no. 11., Registrované v: WOS
10. [1.1] SARSOUR, Murad. phi Meson Measurements at RHIC with the PHENIX Detector. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 13004., Registrované v: WOS
11. [1.1] SAVEETHA, H. - INDUMATHI, D. Fragmentation of omega and phi mesons in $e^{+}e^{-}$ and pp collisions at NLO. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 33, art. no. 1750199., Registrované v: WOS
12. [1.1] WAQAS, M. - LIU, F.H. - FAKHRADDIN, S. - RAHIM, M.A. Possible scenarios for single, double, or multiple kinetic freeze-out in high-energy collisions. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, OCT 2019, vol. 93, no. 10, p. 1329-1343., Registrované v: WOS

ADCA728 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Production of $K^*(892)(0)$ and $\phi(1020)$ in p-Pb collisions at $\sqrt{s(NN)}=5.02$ TeV. In *European Physical Journal C*, 2016, vol. 76, no. 5, art. no. 245. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na:
<https://doi.org/10.1140/epjc/s10052-016-4088-7>

Ohlasy:

1. [1.1] ARAKELYAN, G. H. - MERINO, C. - SHABELSKI, Yu M. Description of ϕ -meson production in hadronic and nuclear collisions at very high energies. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 33, art. no. 1850202., Registrované v: WOS
2. [1.1] ARAKELYAN, G. H. - MERINO, C. - SHABELSKI, Yu M. Hadroproduction of neutral K^* -mesons up to LHC energies. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 9., Registrované v: WOS
3. [1.1] ARAKELYAN, G. H. - MERINO, C. - SHABELSKI, Yu M. Theoretical description of hadroproduction and production on nuclear targets of ϕ -mesons at very high energies. In XIII INTERNATIONAL CONFERENCE ON BEAUTY, CHARM AND HYPERON HADRONS (BEACH 2018). ISSN 1742-6588, 2019, vol. 1137., Registrované v: WOS
4. [1.1] ARAKELYAN, G. H. - SHABELSKI, Yu M. - SHUVAEV, A. G. Central and peripheral hadron-nucleus collisions in the Additive Quark Model. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2019, vol. 34, no. 6., Registrované v: WOS
5. [1.1] BASHIR, Inam-ul - UDDIN, Saeed. Centrality Dependence of $K^*(892)(0)$ and $\phi(1020)$ Production at LHC. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2017, vol. 68, no. 4, pp. 500-504., Registrované v: WOS
6. [1.1] KANAKUBO, Y. - TACHIBANA, Y. - HIRANO, T. Unified description of hadron yield ratios from dynamical core-corona initialization. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 24 2020, vol. 101, no. 2., Registrované v: WOS
7. [1.1] KUNDU, Sourav. Identified Hadron Production in Proton-Proton Collisions at $\sqrt{s}=13$ TeV with ALICE at the LHC. In XXII DAE HIGH ENERGY PHYSICS SYMPOSIUM. ISSN 0930-8989, 2018, vol. 203, pp. 497-499., Registrované v: WOS
8. [1.1] LIU, X. Y. - CHEN, J. H. - MA, C. W. - MA, Y. G. A study on $K^*(892)(0)$ and $\phi(1020)$ production in p-Pb and Pb-Pb collisions at the LHC from a multiphase transport model. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 2, art. no. 025102., Registrované v: WOS
9. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS
10. [1.1] PANTIC, B. - BODROZA-PANTIC, O. A Brief Overview of the Sock Matching Problem. In ARS COMBINATORIA. ISSN 0381-7032, OCT 2020, vol. 153, p. 261-270., Registrované v: WOS

11. [1.1] QIAO, L.Y. - CHE, G.R. - GU, J.B. - ZHENG, H. - ZHANG, W.C. Nuclear modification factor in Pb-Pb and p-Pb collisions using Boltzmann transport equation. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JUL 2020, vol. 47, no. 7., Registrované v: WOS
12. [1.1] WAQAS, M. - LIU, F-H - FAKHRADDIN, S. - RAHIM, M. A. Possible scenarios for single, double, or multiple kinetic freeze-out in high-energy collisions. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, 2019, vol. 93, no. 10, pp. 1329-1343., Registrované v: WOS

ADCA729 ADAM, J. - ADAMOVIĆ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Production of light nuclei and anti-nuclei in pp and Pb-Pb collisions at energies available at the CERN Large Hadron Collider. In *Physical Review C. Nuclear physics*, 2016, vol. 93, no. 2, art. no. 024917. (2015: 3.146 - IF, Q2 - JCR, 1.993 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.93.024917>

Ohlasy:

1. [1.1] AICHELIN, J. - BRATKOVSKAYA, E. - LE FEVRE, A. - KIREYEU, V. - KOLESNIKOV, V. - LEIFELS, Y. - VORONYUK, V. - COCI, G. Parton-hadron-quantum-molecular dynamics: A novel microscopic n-body transport approach for heavy-ion collisions, dynamical cluster formation, and hypernuclei production. In PHYSICAL REVIEW C. ISSN 2469-9985, APR 24 2020, vol. 101, no. 4., Registrované v: WOS
2. [1.1] ALBA, P. - VOVCHENKO, V. - GORENSTEIN, M. - STOECKER, H. Flavor-dependent eigenvolume interactions in a hadron resonance gas. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 974, pp. 22-34., Registrované v: WOS
3. [1.1] BASTIAN, N.U. - BATYUK, P. - BLASCHKE, D. - DANIELEWICZ, P. - IVANOV, Yu. B. - KARPENKO, Iu. - ROPKE, G. - ROGACHEVSKY, O. - WOLTER, H. H. Light cluster production at NICA. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 8, art. no. 244., Registrované v: WOS
4. [1.1] BAZAK, Sylwia - MROWCZYNSKI, Stanislaw. He-4 versus Li-4 and production of light nuclei in relativistic heavy-ion collisions. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2018, vol. 33, no. 25, art. no. 1850142., Registrované v: WOS
5. [1.1] BAZAK, S. - MROWCZYNSKI, S. Production of Li-4 and p-He-3 correlation function in relativistic heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, JUL 28 2020, vol. 56, no. 7., Registrované v: WOS
6. [1.1] BISWAS, D. Formation of light nuclei at chemical freezeout: Description within a statistical thermal model. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 3 2020, vol. 102, no. 5., Registrované v: WOS
7. [1.1] BLUM, Kfir - NG, Kenny Chun Yu - SATO, Ryosuke - TAKIMOTO, Masahiro. Cosmic rays, antihelium, and an old navy spotlight. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 10, art. no. 103021., Registrované v: WOS
8. [1.1] BLUM, Kfir - TAKIMOTO, Masahiro. Nuclear coalescence from correlation functions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019,

vol. 99, no. 4., Registrované v: WOS

9. [1.1] BONDARENKO, S. - KOMOSHVILI, K. Mean Field Approximation for the Dense Charged Drop. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, art. no. 7374909., Registrované v: WOS

10. [1.1] BOTVINA, A. S. - STEINHEIMER, J. - BLEICHER, M. Formation of exotic baryon clusters in ultrarelativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 1, art. no. 014913., Registrované v: WOS

11. [1.1] CAI, Yiming - COHEN, Thomas D. - GELMAN, Boris A. - YAMAUCHI, Yukari. Yields of weakly bound light nuclei as a probe of the statistical hadronization model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2., Registrované v: WOS

12. [1.1] FECKOVA, Zuzana - STEINHEIMER, Jan - TOMASIK, Boris - BLEICHER, Marcus. Formation of deuterons by coalescence: Consequences for deuteron number fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 5, art. no. 054906., Registrované v: WOS

13. [1.1] GUO, Feng-Kun - HANHART, Christoph - MEISSNER, Ulf-G. - WANG, Qian - ZHAO, Qiang - ZOU, Bing-Song. Hadronic molecules. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2018, vol. 90, no. 1, art. no. 015004., Registrované v: WOS

14. [1.1] CHEN, Jinhui - KEANE, Declan - MA, Yu-Gang - TANG, Aihong - XU, Zhangbu. Antinuclei in heavy-ion collisions. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2018, vol. 760, pp. 1-39., Registrované v: WOS

15. [1.1] LAO, Hai-Ling - WEI, Hua-Rong - LIU, Fu-Hu - LACEY, Roy A. An evidence of mass-dependent differential kinetic freeze-out scenario observed in Pb-Pb collisions at 2.76 TeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 7, art. no. 203., Registrované v: WOS

16. [1.1] LIU, H. - ZHANG, D.W. - HE, S. - SUN, K.J. - YU, N. - LUO, X.F. Light nuclei production in Au plus Au collisions at $\sqrt{s_{NN}}=5.200$ GeV from JAM model. In PHYSICS LETTERS B. ISSN 0370-2693, JUN 10 2020, vol. 805., Registrované v: WOS

17. [1.1] MOTORNENKO, A. - VOVCHENKO, V. - GREINER, C. - STOECKER, H. Kinetic freeze-out temperature from yields of short-lived resonances. In PHYSICAL REVIEW C. ISSN 0556-2813, AUG 13 2020, vol. 102, no. 2., Registrované v: WOS

18. [1.1] MROWCZYNSKI, Stanislaw. PRODUCTION OF LIGHT NUCLEI IN THE THERMAL AND COALESCENCE MODELS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 4, pp. 707-716., Registrované v: WOS

19. [1.1] MROWCZYNSKI, S. Production of light nuclei at colliders - coalescence vs. thermal model. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 22-23, p. 3559-3583., Registrované v: WOS

20. [1.1] MROWCZYNSKI, S. - SLON, P. HADRON-DEUTERON CORRELATIONS AND PRODUCTION OF LIGHT NUCLEI IN RELATIVISTIC HEAVY-ION COLLISIONS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2020, vol. 51, no. 8, p. 1739-1755.,

Registrované v: WOS

21. [1.1] OLIINYCHENKO, Dmytro - PANG, Long-Gang - ELFNER, Hannah - KOCH, Volker. Microscopic study of deuteron production in PbPb collisions at $\sqrt{s}=2.76$ TeV via hydrodynamics and a hadronic afterburner. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4., Registrované v: WOS

22. [1.1] OLSEN, Stephen Lars - SKWARNICKI, Tomasz - ZIEMINSKA, Daria. Nonstandard heavy mesons and baryons: Experimental evidence. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2018, vol. 90, no. 1, art. no. 015003., Registrované v: WOS

23. [1.1] RAGAB, N.A. - SHE, Z.L. - CHEN, G. Light (anti-)nuclei and (anti-)hypertriton production in pp collisions at $\sqrt{s}=0.90, 2.76$ and 7 TeV. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, SEP 17 2020, vol. 135, no. 9., Registrované v: WOS

24. [1.1] SAGUN, V. V. - BUGAEV, K. A. - IVANYTSKYI, A. I. - OLIINYCHENKO, D. R. - MISHUSTIN, I. N. Nuclear and hadron matter equation of state within the induced surface tension approach. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 07022., Registrované v: WOS

25. [1.1] SAMANTA, S. - GIACOSA, F. QFT treatment of a bound state in a thermal gas. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 31 2020, vol. 102, no. 11., Registrované v: WOS

26. [1.1] SHAO, T.H. - CHEN, J.H. - KO, C.M. - SUN, K.J. - XU, Z.B. Yield ratio of hypertriton to light nuclei in heavy-ion collisions from $\sqrt{s(NN)}=4.9$ GeV to 2.76 TeV. In CHINESE PHYSICS C. ISSN 1674-1137, NOV 2020, vol. 44, no. 11., Registrované v: WOS

27. [1.1] SHURYAK, E. - TORRES-RINCON, J.M. Light-nuclei production and search for the QCD critical point. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, SEP 29 2020, vol. 56, no. 9., Registrované v: WOS

28. [1.1] SOMBUN, Sukanya - TOMUANG, Kristiya - LIMPHIRAT, Ayut - HILLMANN, Paula - HEROLD, Christoph - STEINHEIMER, Jan - YAN, Yupeng - BLEICHER, Marcus. Deuteron production from phase-space coalescence in the UrQMD approach. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 1., Registrované v: WOS

29. [1.1] STOCK, R. - BECATTINI, F. - BLEICHER, M. - STEINHEIMER, J. The QCD Phase Diagram from Statistical Model Analysis. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 827-830., Registrované v: WOS

30. [1.1] SUN, Kai-Jia - CHEN, Lie-Wen. Antimatter H-4(Lambda) hypernucleus production and the H-3(Lambda)/He-3 puzzle in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 6, art. no. 064909., Registrované v: WOS

31. [1.1] VOVCHENKO, Volodymyr - GORENSTEIN, Mark - STOECKER, Horst. Finite resonance widths influence the thermal-model description of hadron yields. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034906., Registrované v: WOS

32. [1.1] VOVCHENKO, V. - GALLMEISTER, K. - SCHAFFNER-BIELICH, J. - GREINER, C. Nucleosynthesis in heavy-ion collisions at the LHC via the Saha equation. In PHYSICS LETTERS B. ISSN

0370-2693, JAN 10 2020, vol. 800., Registrované v: WOS

33. [1.1] VOYCHENKO, Volodymyr - STOECKER, Horst. Analysis of hadron yield data within hadron resonance gas model with multi-component eigenvolume corrections. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012078., Registrované v: WOS

34. [1.1] YAKOVENKO, N.S. - BUGAEV, K.A. - BRAVINA, L.V. - ZABRODIN, E.E. The concept of induced surface and curvature tensions for EoS of hard discs and hard spheres. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 22-23, p. 3445-3467., Registrované v: WOS

35. [1.1] YIN, Xuejiao - KO, Che Ming - SUN, Yifeng - ZHU, Lilin. Elliptic flow of light nuclei. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 5, art. no. 054913., Registrované v: WOS

36. [1.1] YU, Ning. Beam energy dependence of d and (d)over-bar production in Au plus Au collisions at RHIC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 788-791., Registrované v: WOS

37. [1.1] ZHANG, S. - MA, Y.G. Omega-dibaryon production with hadron interaction potential from the lattice QCD in relativistic heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS

38. [1.1] ZHAO, Wenbin - ZHU, Lilin - ZHENG, Hua - KO, Che Ming - SONG, Huichao. Spectra and flow of light nuclei in relativistic heavy ion collisions at energies available at the BNL Relativistic Heavy Ion Collider and at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 5, art. no. 054905., Registrované v: WOS

39. [1.1] ZHOU, C. S. - MA, Y. G. - ZHANG, S. Scaling of nuclear modification factors for hadrons and light nuclei. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 12, art. no. 354., Registrované v: WOS

40. [1.1] ZHU, Lilin - ZHENG, Hua - KO, Che Ming - SUN, Yifeng. Light nuclei production in Pb plus Pb collisions at $\sqrt{s(NN)}=2.76$ TeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 10, art. no. 175., Registrované v: WOS

ADCA730 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRIVDA, Marián - PASTIRČÁK, Blahoslav - ŠÁNDOR, Ladislav - VALA, Martin. Production of Muons from Heavy Flavor Decays at Forward Rapidity in pp and Pb-Pb Collisions at $\sqrt{s(NN)} = 2.76$ TeV (ALICE Collaboration). In *Physical Review Letters*, 2012, vol. 109, no. 11, art. no. 112301. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.109.112301>

Ohlasy:

1. [1.1] MILOV, Alexander. The R-AA and $v(2)$ of muons from heavy-quark decays in Pb plus Pb collisions at $\sqrt{s(NN)}=2.76$ TeV with the ATLAS detector. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 521-524., Registrované v: WOS

2. [1.1] PRADO, C.A.G. - XING, W.J. - CAO, S.S. - QIN, G.Y. - WANG, X.N. Longitudinal dependence of open heavy flavor R AA in relativistic heavy -ion collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, JUN 24

2020, vol. 101, no. 6., Registrované v: WOS

3. [1.1] SHI, S.Z. - LIAO, J.F. - GYULASSY, M. Global constraints from RHIC and LHC on transport properties of QCD fluids in CUJET/CIBJET framework. In CHINESE PHYSICS C. ISSN 1674-1137, APR 2019, vol. 43, no. 4., Registrované v: WOS

ADCA731 AAMODT, K. - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - PASTIRČÁK, Blahoslav - ŠÁNDOR, Ladislav - VALA, Martin. Production of pions, kaons and protons in pp collisions at $\sqrt{s}=900$ GeV with ALICE at the LHC. In *European Physical Journal C*, 2011, vol. 71, no. 6, art. no. 1655. (2010: 3.248 - IF, Q2 - JCR, 2.215 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-011-1655-9>

Ohlasy:

1. [1.1] ABRAHAO, M. - DANTAS, W. G. - DE ALMEIDA, R. M. - GRATIERI, D. R. - PENNA, T. J. P. On the Impact of Tsallis Statistics on Cosmic Ray Showers. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 4676024., Registrované v: WOS
2. [1.1] ADUSZKIEWICZ, Antoni. Recent results from NA61/SHINE. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 35-42., Registrované v: WOS
3. [1.1] AJAZ, M. - MARYAM. p(T) spectra of charged hadrons in proton-proton collisions at $\sqrt{s}=200$ GeV. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, JUN 21 2019, vol. 34, no. 19., Registrované v: WOS
4. [1.1] AJAZ, M. - TUFAIL, M. - ALI, Y. Production of light flavored charged hadron in pp collisions at 900 GeV with hadron production models. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, APR 30 2019, vol. 34, no. 13., Registrované v: WOS
5. [1.1] AJAZ, M. - TUFAIL, M. - ALI, Y. Study of the Production of Strange Particles in Proton-Proton Collisions at $\sqrt{s}=0.9$ TeV. In ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING. ISSN 2193-567X, JAN 2020, vol. 45, no. 1, p. 411-416., Registrované v: WOS
6. [1.1] ARAKELYAN, G. H. - MERINO, C. - SHABELSKI, Yu. M. Midrapidity hyperon production in pp and pA collisions from low to LHC energies. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 1, art. no. 9., Registrované v: WOS
7. [1.1] ARAKELYAN, G. H. - MERINO, C. - SHABELSKI, Yu. M. - SHUVAEV, A. Inelastic nuclear screening for different secondaries produced in p plus Pb collisions at LHC energy. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 074013., Registrované v: WOS
8. [1.1] ARTEMENKOV, D. A. - LYKASOV, G. I. - MALAKHOV, A. I. Self-similarity of hadron production in pp and AA collisions at high energies. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 21, art. no. 1550127., Registrované v: WOS
9. [1.1] ASMALIZA, M.N.N. - SIDEK, L.M. Water Quality Improvement Using Floating Treatment Wetland for Sustainable Management of Dams and Reservoirs. In PROCEEDINGS OF THE 1ST INTERNATIONAL CONFERENCE ON DAM SAFETY MANAGEMENT AND ENGINEERING, ICDSME 2019. ISSN 1614-810X, 2020, p. 133-139., Registrované v: WOS
10. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON

INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS

11. [1.1] BRODSKY, S.J. - LYKASOV, G.I. - LIPATOV, A.V. - SMIESKO, J. Novel heavy-quark physics phenomena. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, SEP 2020, vol. 114., Registrované v: WOS

12. [1.1] DERRADI DE SOUZA, R. - KOIDE, T. - KODAMA, T. Hydrodynamic approaches in relativistic heavy ion reactions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 86, pp. 35-85., Registrované v: WOS

13. [1.1] D'YACHENKO, A.T. Spectra of Secondary Particles in High-Energy Proton-Proton Collisions in the Thermodynamic Model and the Possibility of Detection of Particles of Dark Matter. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, DEC 2020, vol. 83, no. 11, p. 1597-1601., Registrované v: WOS

14. [1.1] GAO, Y. - ZHENG, H. - ZHU, L. L. - BONASERA, A. Description of charged particle pseudorapidity distributions in Pb plus Pb collisions with Tsallis thermodynamics. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 10, art. no. 197., Registrované v: WOS

15. [1.1] HE, X.W. - WU, F.M. - WEI, H.R. - HONG, B.H. Energy-Dependent Chemical Potentials of Light Hadrons and Quarks Based on Transverse Momentum Spectra and Yield Ratios of Negative to Positive Particles. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, NOV 5 2020, vol. 2020., Registrované v: WOS

16. [1.1] INAM-UL BASHIR - PARRA, R.A. - BHAT, R.A. - UDDIN, S. Particle Transverse Momentum Distributions in p-p Collisions at $\sqrt{s_{NN}}=0.9$ TeV. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2019, vol. 2019., Registrované v: WOS

17. [1.1] JIANG, Kun - ZHU, Yinying - LIU, Weitao - CHEN, Hongfang - LI, Cheng - RUAN, Lijuan - TANG, Zebo - XU, Zhangbu. Onset of radial flow in p plus p collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 2, art. no. 024910., Registrované v: WOS

18. [1.1] JOHNSON, P.D. The use and abuse of term ochlos in Thucydides. In SYNTHESIS-LA PLATA. ISSN 0328-1205, DEC 2020, vol. 27, no. 2., Registrované v: WOS

19. [1.1] KACHELRIESS, Michael - MOSKALENKO, Igor V. - OSTAPCHENKO, Sergey S. NEW CALCULATION OF ANTIPROTON PRODUCTION BY COSMIC RAY PROTONS AND NUCLEI. In ASTROPHYSICAL JOURNAL. ISSN 0004-637X, 2015, vol. 803, no. 2, art. no. 54., Registrované v: WOS

20. [1.1] KACHELRIESS, M.M. - OSTAPCHENKO, S. - TJEMSLAND, J. Revisiting cosmic ray antinuclei fluxes with a new coalescence model. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, AUG 2020, no. 8., Registrované v: WOS

21. [1.1] KOSHELKIN, Andrew V. - WONG, Cheuk-Yin. Dynamics of Quarks in a 2D Flux Tube. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. 01004., Registrované v: WOS

22. [1.1] KUBOS, J. Studies of Hyperon Production in HADES-Cascade

- Production. In RECENT PROGRESS IN FEW-BODY PHYSICS. ISSN 0930-8989, 2020, vol. 238, p. 987-994., Registrované v: WOS
23. [1.1] LAO, H.L. - GAO, Y.Q. - LIU, F.H. Energy Dependent Chemical Potentials of Light Particles and Quarks from Yield Ratios of Antiparticles to Particles in High Energy Collisions. In UNIVERSE. JUN 2019, vol. 5, no. 6., Registrované v: WOS
24. [1.1] LAO, H.L. - GAO, Y.Q. - LIU, F.H. Light Particle and Quark Chemical Potentials from Negatively to Positively Charged Particle Yield Ratios Corrected by Removing Strong and Weak Decays. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, JAN 9 2020, vol. 2020., Registrované v: WOS
25. [1.1] LIN, Su-Jie - BI, Xiao-Jun - FENG, Jie - YIN, Peng-Fei - YU, Zhao-Huan. Systematic study on the cosmic ray antiproton flux. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 12, art. no. 123010., Registrované v: WOS
26. [1.1] LI, L.L. - LIU, F.H. Kinetic Freeze-Out Properties from Transverse Momentum Spectra of Pions in High Energy Proton-Proton Collisions. In PHYSICS. JUN 2020, vol. 2, no. 2, p. 277-308., Registrované v: WOS
27. [1.1] MALAKHOV, A.I. - LYKASOV, G.I. Mid-rapidity dependence of pion production in p - p and A - A collisions.. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, APR 16 2020, vol. 56, no. 4., Registrované v: WOS
28. [1.1] MAZELIAUSKAS, A. - FLOERCHINGER, S. - GROSSI, E. - TEANEY, D. Fast resonance decays in nuclear collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS
29. [1.1] OLIMOV, K.K. - IQBAL, A. - MASOOD, S. Systematic analysis of midrapidity transverse momentum spectra of identified charged particles in p plus p collisions at $(s_{nn})^{1/2}=2.76, 5.02, \text{ and } 7 \text{ TeV}$ at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, SEP 30 2020, vol. 35, no. 27., Registrované v: WOS
30. [1.1] ORTIZ VELASQUEZ, Antonio. Mean $p(T)$ scaling with $m/n(q)$ at the LHC: Absence of (hydro) flow in small systems? In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 943, pp. 9-17., Registrované v: WOS
31. [1.1] PALNI, P. - KHUNTIA, A. - BARTALINI, P. Evolution of strange and multi-strange hadron production with relative transverse multiplicity activity in underlying event. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 6 2020, vol. 80, no. 10., Registrované v: WOS
32. [1.1] PARK, C.B. A singular way to search for heavy resonances in missing energy events. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 14 2020, no. 7., Registrované v: WOS
33. [1.1] PARVAN, A. S. Comparison of Tsallis statistics with the Tsallis-factorized statistics in the ultrarelativistic pp collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 12, art. no. 355., Registrované v: WOS
34. [1.1] PARVAN, A. S. Self-consistent thermodynamics for the Tsallis statistics in the grand canonical ensemble: Nonrelativistic hadron gas. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 9, art. no. 108., Registrované v: WOS

35. [1.1] PARVAN, A. S. Ultrarelativistic transverse momentum distribution of the Tsallis statistics. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 3, art. no. 53., Registrované v: WOS
36. [1.1] PARVAN, A.S. - BHATTACHARYYA, T. Hadron transverse momentum distributions of the Tsallis normalized and unnormalized statistics. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, FEB 27 2020, vol. 56, no. 2., Registrované v: WOS
37. [1.1] PISKOUNOVA, O.I. Baryon production at LHC experiments: average $p(t)$ of hyperons versus energy. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, MAY 10 2020, vol. 35, no. 13., Registrované v: WOS
38. [1.1] PULAWSKI, Szymon. RECENT RESULTS FROM NA61/SHINE. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2015, vol. 46, no. 11, pp. 2381-2386., Registrované v: WOS
39. [1.1] PULAWSKI, Szymon. Recent results from the strong interactions program of NA61/SHINE. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 07033., Registrované v: WOS
40. [1.1] RAGAB, N.A. - SHE, Z.L. - CHEN, G. Light (anti-)nuclei and (anti-)hypertriton production in pp collisions at $\sqrt{s}=0.90, 2.76$ and 7 TeV. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, SEP 17 2020, vol. 135, no. 9., Registrované v: WOS
41. [1.1] RYBCZYNSKI, Maciej - WLODARCZYK, Zbigniew. Imprints of energy limitation in transverse momentum distributions of jets. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 7, art. no. 80., Registrované v: WOS
42. [1.1] RYBCZYNSKI, M. - WLODARCZYK, Z. Similarities in Multiparticle Production Processes in pp Collisions as Imprints of Nonextensive Statistics. In SYMMETRY-BASEL. AUG 2020, vol. 12, no. 8., Registrované v: WOS
43. [1.1] SHEN, K.M. Analysis on hadron spectra in heavy-ion collisions with a new non-extensive approach. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, OCT 2019, vol. 46, no. 10., Registrované v: WOS
44. [1.1] TAWFIK, Abdel Nasser - YASSIN, Hayam - ELYAZEED, Eman R. Abo. On thermodynamic self-consistency of generic axiomatic-nonextensive statistics. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 5, art. no. 053107., Registrované v: WOS
45. [1.1] VON DOETINCHEM, P. - PEREZ, K. - ARAMAKI, T. - BAKER, S. - BARWICK, S. - BIRD, R. - BOEZIO, M. - BOGGS, S.E. - CUI, M. - DATTA, A. - DONATO, F. - EVOLI, C. - FABRIS, L. - FABBETTI, L. - BUENO, E.F. - FORNENGO, N. - FUKU, H. - GERRITY, C. - CORAL, D.G. - HAILEY, C. - HOOPER, D. - KACHELRIESS, M. - KORSMEIER, M. - KOZAI, M. - LEA, R. - LI, N. - LOWELL, A. - MANGHISONI, M. - MOSKALENKO, I.V. - MUNINI, R. - NASKRET, M. - NELSON, T. - NG, K.C.Y. - NOZZOLI, F. - OLIVA, A. - ONG, R.A. - OSTERIA, G. - PIEROG, T. - POULIN, V. - PROFUMO, S. - POSCHL, T. - QUINN, S. - RE, V. - ROGERS, F. - RYAN, J. - SAFFOLD, N. - SAKAI, K. - SALATI, P. - SCHAEEL, S. - SERKSNYTE, L. - SHUKLA, A. - STOESSL, A. - TJEMSLAND, J. - VANNUCCINI, E. - VECCHI, M. - WINKLER, M.W. - WRIGHT, D. - XIAO,

- M. - XU, W. - YOSHIDA, T. - ZAMPA, G. - ZUCCON, P. Cosmic-ray antinuclei as messengers of new physics: status and outlook for the new decade. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, AUG 2020, no. 8., Registrované v: WOS
46. [1.1] YIN, Xuejiao - ZHU, LiLin - ZHENG, Hua. A New Two-Component Model for Hadron Production in Heavy-Ion Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, vol., no., pp., Registrované v: WOS
47. [1.1] ZHANG, C. - ZHENG, L. - LIU, F. - SHI, S.S. - LIN, Z.W. Update of a multiphase transport model with modern parton distribution functions and nuclear shadowing. In PHYSICAL REVIEW C. ISSN 2469-9985, JUN 24 2019, vol. 99, no. 6., Registrované v: WOS
48. [1.1] ZHANG, W. C. Scaling behaviours of the p(T) spectra for identified hadrons in pp collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 1, art. no. 015003., Registrované v: WOS
49. [1.1] ZHAO, Y.P. Thermodynamic properties and transport coefficients of QCD matter within the nonextensive Polyakov-Nambu-Jona-Lasinio model. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 11 2020, vol. 101, no. 9., Registrované v: WOS
50. [1.1] ZHENG, H. - ZHU, Lilin - BONASERA, A. Systematic analysis of hadron spectra in p plus p collisions using Tsallis distributions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 074009., Registrované v: WOS
51. [1.1] ZHENG, H. - ZHU, Lilin. Comparing the Tsallis Distribution with and without Thermodynamical Description in p plus p Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 9632126., Registrované v: WOS
52. [1.1] ZHENG, H. - ZHU, X.R. - ZHU, L.L. - BONASERA, A. Systematic investigation of the particle spectra in heavy-ion collisions at the Large Hadron Collider. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, JUL 10 2020, vol. 35, no. 21., Registrované v: WOS

ADCA732 ACHARYA, S. - ADAMOŤ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Production of pi(0) and eta mesons up to high transverse momentum in pp collisions at 2.76 TeV. In *European Physical Journal C*, 2017, vol. 77, no. 5, art. no. 339. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-017-4890-x>

Ohlasy:

1. [1.1] MA, Guo-Yang - DAI, Wei - ZHANG, Ben-Wei - WANG, Enke. NLO Productions of and KS0 with a global extraction of the jet transport parameter in heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 6., Registrované v: WOS
2. [1.1] MORIGGI, L.S. - PECCINI, G.M. - MACHADO, M.V.T. Investigating the inclusive transverse spectra in high-energy pp collisions in the context of geometric scaling framework. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 13 2020, vol. 102, no. 3., Registrované v: WOS

3. [1.1] ROMERO-TORRES, J. - GUTIERREZ, J.G. - SANCHEZ, N.G. User satisfaction about the public passenger transport service. In REVISTA DE TRANSPORTE Y TERRITORIO. ISSN 1852-7175, JAN-JUN 2020, no. 22, p. 114-131., Registrované v: WOS
4. [1.1] STROHM, H. - ROTHUBBERS, S. - EICKEL, K. - GUNTHER, M. Beyond Classical Ultrasound Contrast via Deep Neural Networks. In PROCEEDINGS OF THE 2020 IEEE INTERNATIONAL ULTRASONICS SYMPOSIUM (IUS). ISSN 1948-5719, 2020., Registrované v: WOS
5. [1.1] TSALLIS, Constantino. Beyond Boltzmann-Gibbs-Shannon in Physics and Elsewhere. In ENTROPY, 2019, vol. 21, no. 7., Registrované v: WOS

ADCA733 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Production of $\psi(2S)$ mesons in $p(p)$ -over-bar collisions at 1.96 TeV. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2009, vol. 80, art. no. 3, art. no. R031103. (2008: 5.050 - IF, Q1 - JCR, 2.920 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.80.031103>

Ohlasy:

1. [1.1] FENG, Yu - LANSBERG, Jean-Philippe - WANG, Jian-Xiong. Energy dependence of direct-quarkonium production in pp collisions from fixed-target to LHC energies: complete one-loop analysis. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 7, art. no. 313., Registrované v: WOS
2. [1.1] SHAO, Hua-Sheng - HAN, Hao - MA, Yan-Qing - MENG, Ce - ZHANG, Yu-Jie - CHAO, Kuang-Ta. Yields and polarizations of prompt J/ψ and $\psi(2S)$ production in hadronic collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 5, art. no. 103., Registrované v: WOS
3. [1.1] ZHANG, Hong-Fei - SUN, Zhan - SANG, Wen-Long - LI, Rong. Impact of $\eta(c)$ Hadroproduction Data on Charmonium Production and Polarization within the Nonrelativistic QCD Framework. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 9, art. no. 092006., Registrované v: WOS

ADCA734 ABELEV, Betty - ADAM, J. - ADAMOŤ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Production of $\Sigma(1385)(+/-)$ and $\Xi(1530)(0)$ in proton-proton collisions at $\sqrt{s}=7$ TeV. In *European Physical Journal C*, 2015, vol. 75, no. 1, art. no. 1. (2014: 5.084 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-014-3191-x>

Ohlasy:

1. [1.1] AZIZI, K. - SARAC, Y. - SUNDU, H. Analysis of $P_c(+)(4380)$ and $P_c(+)(4450)$ as pentaquark states in the molecular picture with QCD sum rules. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 094016., Registrované v: WOS
2. [1.1] AZIZI, K. - SARAC, Y. - SUNDU, H. Strong decay of $P_c(4380)$ pentaquark in a molecular picture. In PHYSICS LETTERS B. ISSN

- 0370-2693, 2018, vol. 782, pp. 694-701., Registrované v: WOS
3. [1.1] BARTALINI, P. - GAUNT, J. R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, pp. 1-+., Registrované v: WOS
4. [1.1] FERRERES-SOLE, Silvia - SJOSTRAND, Torbjorn. The space-time structure of hadronization in the Lund model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 11, art. no. 983., Registrované v: WOS
5. [1.1] FISCHER, Nadine - SJOSTRAND, Torbjorn. Thermodynamical string fragmentation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, vol., no. 1, art. no. 140., Registrované v: WOS
6. [1.1] GAO, L.N. - LIU, F.H. Transverse momentum spectra of heavy baryons and mesons in forward rapidity range in small collision system at the LHC. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, SEP 2020, vol. 94, no. 9, p. 1431-1450., Registrované v: WOS
7. [1.1] KHEMCHANDANI, K. P. - MARTINEZ TORRES, A. - HOSAKA, A. - NAGAHIRO, H. - NAVARRA, F. S. - NIELSEN, M. Why $\Xi(1690)$ and $\Xi(2120)$ are so narrow. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 034005., Registrované v: WOS
8. [1.1] LI, Li-Li - LIU, Fu-Hu. Energy dependent kinetic freeze-out temperature and transverse flow velocity in high energy collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 10, art. no. 169., Registrované v: WOS
9. [1.1] LI, L.L. - LIU, F.H. Kinetic Freeze-Out Properties from Transverse Momentum Spectra of Pions in High Energy Proton-Proton Collisions. In PHYSICS. JUN 2020, vol. 2, no. 2, p. 277-308., Registrované v: WOS
10. [1.1] MARTINEZ, A.P. - ZAPATA, M. - NORTH, P.E. - FOLPE, A.L. - WEISS, S.W. Lymphatic-type "Angiosarcoma" With Prominent Lymphocytic Infiltrate. In AMERICAN JOURNAL OF SURGICAL PATHOLOGY. ISSN 0147-5185, FEB 2020, vol. 44, no. 2, p. 271-279., Registrované v: WOS
11. [1.1] MARTIN, T. - SKANDS, P. - FARRINGTON, S. Probing collective effects in hadronisation with the extremes of the underlying event. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 299., Registrované v: WOS
12. [1.1] MIHAYLOV, D. L. - SARTI, V. Mantovani - ARNOLD, O. W. - FABBIETTI, L. - HOHLWEGGER, B. - MATHIS, A. M. A femtoscopic correlation analysis tool using the Schrodinger equation (CATS). In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 5, art. no. 394., Registrované v: WOS
13. [1.1] ORTIZ VELASQUEZ, Antonio. Mean $p(T)$ scaling with $m/n(q)$ at the LHC: Absence of (hydro) flow in small systems? In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 943, pp. 9-17., Registrované v: WOS
14. [1.1] SJOSTRAND, Torbjorn. Collective Effects: the viewpoint of HEP MC codes. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 43-49., Registrované v: WOS
15. [1.1] SJOSTRAND, T. - UTHEIM, M. A framework for hadronic rescattering in pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN

- 1434-6044, OCT 1 2020, vol. 80, no. 10., Registrované v: WOS
16. [1.1] TAHMASEBZADEH, B. - REZAZADEH, K. - KARAMI, K. Brans-Dicke inflation in light of the Planck 2015 data (vol 7,006, 2016). In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2016, no. 7, art. no. 0006., Registrované v: WOS
17. [1.1] WANG, Qi - LIU, Fu-Hu. Initial and Final State Temperatures of Antiproton Emission Sources in High Energy Collisions. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 12, pp. 4119-4138., Registrované v: WOS
18. [1.1] WANG, Q. - LIU, F.H. Excitation Function of Initial Temperature of Heavy Flavor Quarkonium Emission Source in High Energy Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, AUG 17 2020, vol. 2020., Registrované v: WOS
19. [1.1] WAQAS, M. - LIU, F.H. - WANG, R.Q. - SIDDIQUE, I. Energy scan/dependence of kinetic freeze-out scenarios of multi-strange and other identified particles in central nucleus-nucleus collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, JUL 23 2020, vol. 56, no. 7., Registrované v: WOS
20. [1.1] WAQAS, M. - LIU, F-H - FAKHRADDIN, S. - RAHIM, M. A. Possible scenarios for single, double, or multiple kinetic freeze-out in high-energy collisions. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, 2019, vol. 93, no. 10, pp. 1329-1343., Registrované v: WOS
21. [1.1] WAQAS, M. - LI, B.C. Kinetic Freeze-Out Temperature and Transverse Flow Velocity in Au-Au Collisions at RHIC-BES Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, JAN 8 2020, vol. 2020., Registrované v: WOS

ADCA735 ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - AGRAWAL, N. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Production of $\Sigma(1385)(+/-)$ and $\Xi(1530)(0)$ in p-Pb collisions at $\sqrt{s(NN)}=5.02$ TeV. In *European Physical Journal C*, 2017, vol. 77, no. 4, art. no. 389. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-017-4943-1>

Ohlasy:

1. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS
2. [1.1] TSALLIS, Constantino. Beyond Boltzmann-Gibbs-Shannon in Physics and Elsewhere. In ENTROPY, 2019, vol. 21, no. 7., Registrované v: WOS

ADCA736 ACHARYA, S. - ACOSTA, F.T. - ADAMOVÁ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Production of the $\rho(770)(0)$ meson in pp and Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV. In *Physical Review C*, 2019, vol. 99, no. 6, art. no. 064901. (2018: 3.132 - IF, Q2 - JCR, 1.502 - SJR, Q1 - SJR, Current

Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.
Dostupné na: <https://doi.org/10.1103/PhysRevC.99.064901>

Ohlasy:

1. [1.1] BALL, A. - BEAUREGARD, G. - BROOKE, J. - CAMPAGNARI, C. - CARRIGAN, M. - CITRON, M. - DE LA HAYE, J. - DE ROECK, A. - ELSKENS, Y. - FRANCO, R.E. - EZELDINE, M. - FRANCIS, B. - GASTAL, M. - GHIMIRE, M. - GOLDSTEIN, J. - GOLF, F. - GUIANG, J. - HAAS, A. - HELLER, R. - HILL, C.S. - LAVEZZO, L. - LOOS, R. - LOWETTE, S. - MAGILL, G. - MANLEY, B. - MARSH, B. - MILLER, D.W. - ODEGARD, B. - SAAB, F.R. - SAHILI, J. - SCHMITZ, R. - SETTI, F. - SHAKESHAFT, H. - STUART, D. - SWIATLOWSKI, M. - YOO, J. - ZARAKET, H. - ZHENG, H. Search for millicharged particles in proton-proton collisions at root $S=13$ TeV. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 6 2020, vol. 102, no. 3., Registrované v: WOS
2. [1.1] MOTORNENKO, A. - VOVCHENKO, V. - GREINER, C. - STOECKER, H. Kinetic freeze-out temperature from yields of short-lived resonances. In PHYSICAL REVIEW C. ISSN 0556-2813, AUG 13 2020, vol. 102, no. 2., Registrované v: WOS
3. [1.1] VOVCHENKO, V. - GALLMEISTER, K. - SCHAFFNER-BIELICH, J. - GREINER, C. Nucleosynthesis in heavy-ion collisions at the LHC via the Saha equation. In PHYSICS LETTERS B. ISSN 0370-2693, JAN 10 2020, vol. 800., Registrované v: WOS

ADCA737 ACHARYA, S. - ADAMOŤ, D. - ADLER, A. - ADOLFSSON, J. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VAĽA, Martin. Production of (anti-)He-3 and (anti-)H-3 in p-Pb collisions at root $s(NN)=5.02$ TeV. In *Physical Review C*, 2020, vol. 101, no. 4, art. no. 044906. (2019: 2.988 - IF, Q2 - JCR, 1.270 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.101.044906>

Ohlasy:

1. [1.1] BARGHATHI, H. - YU, J.Y. - DEL MAESTRO, A. Theory of noninteracting fermions and bosons in the canonical ensemble. In PHYSICAL REVIEW RESEARCH. NOV 9 2020, vol. 2, no. 4., Registrované v: WOS
2. [1.1] SAMANTA, S. - GIACOSA, F. QFT treatment of a bound state in a thermal gas. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 31 2020, vol. 102, no. 11., Registrované v: WOS
3. [1.1] SHUKLA, A. - DATTA, A. - VON DOETINCHEM, P. - GOMEZ-CORAL, D.M. - KANITZ, C. Large-scale simulations of antihelium production in cosmic-ray interactions. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 10 2020, vol. 102, no. 6., Registrované v: WOS

ADCA738 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Prompt and non-prompt J/psi and psi(2S) suppression at high transverse momentum in 5.02 TeV Pb+Pb collisions with the ATLAS experiment. In *European Physical Journal C*, 2018, vol. 78, no. 9, art. no. 762. (2017: 5.172 - IF, Q1 - JCR, 2.022 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-018-6219-9>

Ohlasy:

1. [1.1] DU, X.J. - RAPP, R. In-medium charmonium production in proton-nucleus collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 5 2019, no. 3., Registrované v: WOS
2. [1.1] GRAZIANI, G. Heavy ion and fixed-target physics at ATLAS, CMS and LHCb. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, OCT-DEC 2019, vol. 42, no. 6., Registrované v: WOS
3. [1.1] MAKRIS, Y. - VITEV, I. An effective theory of quarkonia in QCD matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 8 2019, no. 10., Registrované v: WOS
4. [1.1] NEMCHIK, J. - KOPELIOVICH, B.Z. - POTASHNIKOVA, I.K. - SCHMIDT, I. UNIVERSAL SUPPRESSION OF HIGH-p(T) HADRONS IN HEAVY-ION COLLISIONS. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 4, p. 991-998., Registrované v: WOS
5. [1.1] XU, X.M. - WEBER, H.J. Inelastic meson-meson scattering in hadronic matter. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, OCT 30 2020, vol. 35, no. 33., Registrované v: WOS
6. [1.1] ZIGIC, D. - SALOM, I. - AUVINEN, J. - DJORDJEVIC, M. - DJORDJEVIC, M. DREENA-C framework: joint R(AA) and v(2) predictions and implications to QGP tomography. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, AUG 2019, vol. 46, no. 8., Registrované v: WOS

ADCA739 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - ABED ABUD, A. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Properties of jet fragmentation using charged particles measured with the ATLAS detector in pp collisions at $\sqrt{s}=13$ TeV. In *Physical Review D*, 2019, vol. 100, no. 5, art. no. 052011. (2018: 4.368 - IF, Q1 - JCR, 1.703 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.100.052011>

Ohlasy:

1. [1.1] KANG, Z.B. - LEE, K. - ZHAO, F.Y. Polarized jet fragmentation functions. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS

ADCA740 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Properties of jets measured from tracks in proton-proton collisions at center-of-mass energy $\sqrt{s}=7$ TeV with the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2011, vol. 84, no. 5, art. no. 054001. (2010: 4.964 - IF, Q1 - JCR, 2.759 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.84.054001>

Ohlasy:

1. [1.1] JUNG, Hannes - VAN MECHELEN, Pierre. New Underlying Event Tunes. In STUDY OF DOUBLE PARTON SCATTERING USING FOUR-JET SCENARIOS: IN PROTON-PROTON COLLISIONS AT

- (SQUARE ROOT) $\sqrt{s} = 7$ TEV WITH THE CMS EXPERIMENT AT THE LHC. ISSN 2190-5053, 2016, pp. 245-261., Registrované v: WOS
2. [1.1] LARKOSKI, A.J. - MOULT, I. - NACHMAN, B. Jet substructure at the Large Hadron Collider: A review of recent advances in theory and machine learning. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, JAN 27 2020, vol. 841, p. 1-63., Registrované v: WOS
 3. [1.1] RYBCZYNSKI, M. - WLODARCZYK, Z. Fluctuations and clustering of multiplicity in collisions of relativistic ions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, JAN 28 2020, vol. 56, no. 1., Registrované v: WOS
 4. [1.1] RYBCZYNSKI, M. - WLODARCZYK, Z. Self-similarity in Fluctuations and Clustering of Multiplicities. In XLIX INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2019). ISSN 2100-014X, 2020, vol. 235., Registrované v: WOS
 5. [1.1] SAKAKI, Y. Quark jet rates and quark-gluon discrimination in multijet final states. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 18 2019, vol. 99, no. 11., Registrované v: WOS
 6. [1.1] URMOSY, K. Jet mass dependence of fragmentation in positron-proton collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 2, art. no. 36., Registrované v: WOS
 7. [1.1] URMOSY, K. - RAK, J. Fragmentation in the $\phi(3)$ theory and the LPHD hypothesis. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 28-29, art. no. 1645045., Registrované v: WOS
 8. [1.1] WANG, Mengliang. Overview of jet physics with ALICE at the LHC. In 12TH INTERNATIONAL CONFERENCE ON NUCLEUS-NUCLEUS COLLISIONS 2015. ISSN 2100-014X, 2016, vol. 117, art. no. 03009., Registrované v: WOS
 9. [1.1] WILK, Grzegorz - WLODARCZYK, Zbigniew. QUASI-POWER LAW ENSEMBLES. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2015, vol. 46, no. 6, pp. 1103-1122., Registrované v: WOS
 10. [1.1] WILK, Grzegorz - WLODARCZYK, Zbigniew. Oscillations in Multiparticle Production Processes. In ENTROPY. ISSN 1099-4300, 2017, vol. 19, no. 12, art. no. 670., Registrované v: WOS
 11. [1.1] WILK, Grzegorz - WLODARCZYK, Zbigniew. Some intriguing aspects of multiparticle production processes. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 10, art. no. 1830008., Registrované v: WOS
 12. [1.1] WONG, Cheuk-Yin - WILK, Grzegorz - CIRTO, Leonardo J. L. - TSALLIS, Constantino. From QCD-based hard-scattering to nonextensive statistical mechanical descriptions of transverse momentum spectra in high-energy pp and p(p) collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 11, art. no. 114027., Registrované v: WOS
 13. [1.1] YAN, Y.L. - LIMPHIRAT, A. - ZHOU, D.M. - SRISAWAD, P. - YAN, Y.P. - YANG, C.B. - CAI, X. - SA, B. Comparative study of the forward and backward methods for calculating jet properties in pp collisions at $\sqrt{s}=7$ TeV. In CHINESE PHYSICS C. ISSN 1674-1137, MAR 2020, vol. 44, no. 3., Registrované v: WOS

ADCA741 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALINÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Pseudorapidity and transverse-momentum distributions of charged particles in proton–proton collisions at $\sqrt{s}=13$ TeV. In *Physics Letters B*, 2016, vol. 753, p. 319-329. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2015.12.030>

Ohlasy:

1. [1.1] ABDEL-WAGED, Khaled - FELEMBAN, Nuha. Effects of shadowing in Pb plus Pb collisions at energies available at the CERN Large Hadron Collider within the HIJING code. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 9, art. no. 155., Registrované v: WOS
2. [1.1] BARTALINI, P. - GAUNT, J. R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, pp. 1-+., Registrované v: WOS
3. [1.1] BLEIBEL, J. - BRAVINA, L. V. - ZABRODIN, E. E. How many of the scaling trends in pp collisions will be violated at $\sqrt{s}(\text{NN})=14$ TeV? Predictions from Monte Carlo quark-gluon string model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 114012., Registrované v: WOS
4. [1.1] BROOKS, Helen - SKANDS, Peter. Average event properties from LHC to FCC-hh. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 11, art. no. 963., Registrované v: WOS
5. [1.1] DREWES, M. - GIAMMANCO, A. - HAJER, J. - LUCENTE, M. New long-lived particle searches in heavy-ion collisions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 3 2020, vol. 101, no. 5., Registrované v: WOS
6. [1.1] D'ENTERRIA, David - PIEROG, Tanguy. Global properties of proton-proton collisions at $\sqrt{s}=100$ TeV. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 8, art. no. 170., Registrované v: WOS
7. [1.1] FISCHER, Nadine - SJOSTRAND, Torbjorn. Thermodynamical string fragmentation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 1, art. no. 140., Registrované v: WOS
8. [1.1] GOTSMAN, E. - LEVIN, E. Thermal radiation and inclusive production in the Kharzeev-Levin-Nardi model for ion-ion collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 3., Registrované v: WOS
9. [1.1] GOTSMAN, E. - LEVIN, E. Thermal radiation and inclusive production in the CGC/saturation approach at high energies. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 5., Registrované v: WOS
10. [1.1] CHEN, Ya-Hui - LIU, Fu-Hu - SARKISYAN-GRINBAUM, Edward K. Event patterns from negative pion spectra in proton-proton and nucleus-nucleus collisions at SPS. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 10, art. no. 104102., Registrované v: WOS
11. [1.1] LACEY, Roy - LIU, Peifeng - MAGDY, Niseem - CSANAD, Mate - SCHWEID, Benjamin - AJITANAND, Nuggehalli N. - ALEXANDER,

- John - PAK, Robert. Scaling Properties of the Mean Multiplicity and Pseudorapidity Density in e(-). In UNIVERSE. ISSN 2218-1997, 2018, vol. 4, no. 1, art. no. 22., Registrované v: WOS
12. [1.1] LEVIN, E. - SIDDIKOV, M. J/psi production in hadron scattering: three-pomeron contribution. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 5., Registrované v: WOS
13. [1.1] LIU, Fu-Hu - GAO, Li-Na - LACEY, Roy A. Searching for Minimum in Dependence of Squared Speed-of-Sound on Collision Energy. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 9467194., Registrované v: WOS
14. [1.1] METZ, A. - VOSSEN, A. Parton fragmentation functions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 91, pp. 136-202., Registrované v: WOS
15. [1.1] MIZOGUCHI, Takuya - BIYAJIMA, Minoru - SUZUKI, Naomichi. Analyses of whole transverse momentum distributions in p(p)over-bar and pp collisions by using a modified version of Hagedorn's formula. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 11, art. no. 1750057., Registrované v: WOS
16. [1.1] MORIGGI, L.S. - PECCINI, G.M. - MACHADO, M.V.T. Investigating the inclusive transverse spectra in high-energy pp collisions in the context of geometric scaling framework. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 13 2020, vol. 102, no. 3., Registrované v: WOS
17. [1.1] SARASWAT, Kapil - SHUKLA, Prashant - SINGH, Venktesh. Transverse momentum spectra of hadrons in high energy pp and heavy ion collisions. In JOURNAL OF PHYSICS COMMUNICATIONS. ISSN 2399-6528, 2018, vol. 2, no. 3, art. no. 035003., Registrované v: WOS
18. [1.1] SIKLER, Ferenc. A combination of analysis techniques for efficient track reconstruction of high multiplicity events in silicon detectors. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 6, art. no. 113., Registrované v: WOS
19. [1.1] SIKLER, Ferenc. Combination of various data analysis techniques for efficient track reconstruction in very high multiplicity events. In CONNECTING THE DOTS/INTELLIGENT TRACKERS 2017 (CTD/WIT 2017). ISSN 2100-014X, 2017, vol. 150, art. no. UNSP 00011., Registrované v: WOS
20. [1.1] TRAINOR, Thomas A. Charge-multiplicity and collision-energy dependence of p(t) spectra from p-p collisions at the relativistic heavy-ion collider and large hadron collider. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 7, art. no. 075008., Registrované v: WOS
21. [1.1] TRAINOR, Thomas A. Comparing the PYTHIA Monte Carlo to a two-component (soft plus hard) model of hadron production in high-energy p-p collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, 2019, vol. 28, no. 4., Registrované v: WOS
22. [1.1] ZABRODIN, E. - BRAVINA, L. - BLEIBEL, J. Basic features of proton-proton interactions at ultra-relativistic energies and RFT-based quark-gluon string model. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 01005., Registrované v: WOS

ADCA742 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - ŠÁNDOR, Ladislav - VALA, Martin. Pseudorapidity Density of Charged Particles in p plus Pb Collisions at root s(NN)=5.02 TeV. In *Physical Review Letters*, 2013, vol. 110, no. 3, art. no. 032301. (2012: 7.943 - IF, Q1 - JCR, 6.292 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.110.032301>

Ohlasy:

1. [1.1] ABDEL-WAGED, Khaled - FELEMBAN, Nuha. Interpretation of charged-particle spectra in p plus p and p plus Pb collisions at energies available at the CERN Large Hadron Collider using an improved HIJING code with a collective cascade. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2015, vol. 91, no. 3, art. no. 034908., Registrované v: WOS
2. [1.1] ARAKELYAN, G. H. - MERINO, C. - SHABELSKI, Yu. M. - SHUVAEV, A. Inelastic nuclear screening for different secondaries produced in p plus Pb collisions at LHC energy. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 074013., Registrované v: WOS
3. [1.1] BERNHARD, Jonah E. - MORELAND, J. Scott - BASS, Steffen A. - LIU, Jia - HEINZ, Ulrich. Applying Bayesian parameter estimation to relativistic heavy-ion collisions: Simultaneous characterization of the initial state and quark-gluon plasma medium. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024907., Registrované v: WOS
4. [1.1] BERNHARD, J.E. - MORELAND, J.S. - BASS, S.A. Bayesian estimation of the specific shear and bulk viscosity of quark-gluon plasma. In *NATURE PHYSICS*. ISSN 1745-2473, NOV 2019, vol. 15, no. 11, p. 1113-+., Registrované v: WOS
5. [1.1] BIERLICH, Christian - GUSTAFSON, Gosta - LONNBLAD, Leif. Diffractive and non-diffractive wounded nucleons and final states in pA collisions. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2016, no. 10, art. no. 139., Registrované v: WOS
6. [1.1] BRATKOVSKAYA, E. L. - CASSING, W. - KONCHAKOVSKI, V. P. - TONEEV, V. D. The QGP dynamics in relativistic collisions. In *INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2014)*. ISSN 1742-6588, 2015, vol. 623, art. no. 012005., Registrované v: WOS
7. [1.1] BZDAK, Adam - DUSLING, Kevin. Saturation scale fluctuations and multiparticle rapidity correlations. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2016, vol. 94, no. 4, art. no. 044918., Registrované v: WOS
8. [1.1] CALCAGNI, L. - GARCIA CANAL, C. A. - SCIUTTO, S. J. - TARUTINA, T. LHC updated hadronic interaction packages analyzed up to cosmic-ray energies. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 8, art. no. 083003., Registrované v: WOS
9. [1.1] CASTORINA, P. - PLUMARI, S. - SATZ, H. Universal strangeness production in hadronic and nuclear collisions. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS*. ISSN 0218-3013, 2016, vol. 25, no. 8, art. no. 1650058., Registrované v: WOS
10. [1.1] DUCLOUE, B. - LAPPI, T. - MANTYSAARI, H. Isolated photon production in proton-nucleus collisions at forward rapidity. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 054023., Registrované v: WOS

11. [1.1] DUMITRU, Adrian - GIANNINI, Andre V. - LUZUM, Matthew - NARA, Yasushi. Particle multiplicities in the central region of high-energy collisions from $k(T)$ -factorization with running coupling corrections. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 784, pp. 417-422., Registrované v: WOS
12. [1.1] DURAES, F. O. - GIANNINI, A. V. - GONCALVES, V. P. - NAVARRA, F. S. Testing the running coupling $k(T)$ -factorization formula for the inclusive gluon production. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 054023., Registrované v: WOS
13. [1.1] GAVIN, Sean - MOSCHELLI, George - ZIN, Christopher. Boltzmann-Langevin approach to pre-equilibrium correlations in nuclear collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 064901., Registrované v: WOS
14. [1.1] GIANNINI, A.V. - GRASSI, F. - LUZUM, M. Bulk quantities in nuclear collisions from running-coupling $k(T)$ factorization and hybrid simulations. In PHYSICAL REVIEW C. ISSN 2469-9985, JUL 31 2019, vol. 100, no. 1., Registrované v: WOS
15. [1.1] HONG, Byungsik. Particle correlations and their implication to collectivity in pPb and PbPb from CMS. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. 01005., Registrované v: WOS
16. [1.1] KONCHAKOVSKI, V. P. - CASSING, W. - TONEEV, V. D. Impact of the initial size of spatial fluctuations on the collective flow in Pb-Pb collisions at root $S_{NN}=2.76$ TeV. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 5, art. no. 055106., Registrované v: WOS
17. [1.1] KURKELA, A. - MAZELIAUSKAS, A. - PAQUET, J.F. - SCHLICHTING, S. - TEANEY, D. Matching the Nonequilibrium Initial Stage of Heavy Ion Collisions to Hydrodynamics with QCD Kinetic Theory. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, MAR 27 2019, vol. 122, no. 12., Registrované v: WOS
18. [1.1] LIU, Fu-Hu - WEI, Hua-Rong - LACEY, Roy A. Transverse momentum and pseudorapidity distributions of final-state particles and spatial structure pictures of an interacting system in p-Pb collisions at root $s_{NN}=5.02$ TeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 4, art. no. 43., Registrované v: WOS
19. [1.1] MOREAU, P. - LINNYK, O. - CASSING, W. - BRATKOVSKAYA, E. L. Examinations of the early degrees of freedom in ultrarelativistic nucleus-nucleus collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 4, art. no. 044916., Registrované v: WOS
20. [1.1] MORELAND, J.S. - BERNHARD, J.E. - BASS, S.A. Bayesian calibration of a hybrid nuclear collision model using p-Pb and Pb-Pb data at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 21 2020, vol. 101, no. 2., Registrované v: WOS
21. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS
22. [1.1] PIEROG, T. - KARPENKO, Iu. - KATZY, J. M. - YATSENKO, E. - WERNER, K. EPOS LHC: Test of collective hadronization

with data measured at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 92, no. 3, art. no. 034906., Registrované v: WOS

23. [1.1] PIRNER, H. J. - KOPELIOVICH, B. Z. Rapidity distributions of hadrons in proton-nucleus collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 5, art. no. 054901., Registrované v: WOS

24. [1.1] PLUMBERG, C. Hanbury-Brown-Twiss interferometry and collectivity in p plus p, p plus Pb, and Pb plus Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 13 2020, vol. 102, no. 5., Registrované v: WOS

25. [1.1] SCHLICHTING, Soeren - TRIBEDY, Prithwish. Collectivity in Small Collision Systems: An Initial-State Perspective. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 8460349., Registrované v: WOS

26. [1.1] SCHULZ, P. - WOLSCHIN, G. Analysis of pPb collisions at LHC energies in the relativistic diffusion model. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 2, art. no. 18., Registrované v: WOS

27. [1.1] SCHULZ, P. - WOLSCHIN, G. Diffusion-model analysis of pPb and PbPb collisions at LHC energies. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2018, vol. 33, no. 17, art. no. 1850098., Registrované v: WOS

28. [1.1] TABASSAM, U. - ALI, Y. - SULEYMANOV, M. - BHATTI, A. S. - BUTT, J. B. - AMJAD, M. S. Transverse momentum distribution of primary charged particles in the p-Pb interactions using HIJING 1.0. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 24, art. no. 1650136., Registrované v: WOS

29. [1.1] WANG, E.Q. - MA, Y.Q. - GAO, L.N. - FAN, S.H. Elliptic Flow of Identified Particles in Pb-Pb Collisions at $\sqrt{s(NN)}=5.02$ TeV. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, JAN 27 2020, vol. 2020., Registrované v: WOS

30. [1.1] WOLSCHIN, Georg. Hadron production and Upsilon suppression at the LHC. In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, art. no. 03038., Registrované v: WOS

31. [1.1] WOLSCHIN, Georg. Particle production sources in pPb and PbPb at the LHC. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. 01003., Registrované v: WOS

ADCA743 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VAĽA, Martin. Pseudorapidity dependence of the anisotropic flow of charged particles in Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV. In *Physics Letters B*, 2016, vol. 762, p. 376-388. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2016.07.017>

Ohlasy:

1. [1.1] ALQAHTANI, Mubarak - NOPOUSH, Mohammad - RYBLEWSKI, Radoslaw - STRICKLAND, Michael. Anisotropic hydrodynamic

- modeling of 2.76 TeV Pb-Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 4, art. no. 044910., Registrované v: WOS
2. [1.1] KE, Weiyao - MORELAND, J. Scott - BERNHARD, Jonah E. - BASS, Steffen A. Constraints on rapidity-dependent initial conditions from charged-particle pseudorapidity densities and two-particle correlations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 4, art. no. 044912., Registrované v: WOS
 3. [1.1] KE, Weiyao - MORELAND, J. Scott - BERNHARD, Jonah E. - BASS, Steffen A. Constraints on rapidity-dependent initial conditions from charged particle pseudorapidity densities and correlations at the LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 483-486., Registrované v: WOS
 4. [1.1] LI, H. - YAN, L. Pseudorapidity dependent hydrodynamic response in heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, MAR 10 2020, vol. 802., Registrované v: WOS
 5. [1.1] OKAMOTO, Kazuhisa - NONAKA, Chiho. Temperature dependence of transport coefficients of QCD in high-energy heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 5, art. no. 054906., Registrované v: WOS
 6. [1.1] OZONDER, Sener. Cumulant expansion in gluon saturation and five- and six-gluon azimuthal correlations. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074005., Registrované v: WOS
 7. [1.1] PANG, Long-Gang - PETERSEN, Hannah - WANG, Xin-Nian. Pseudorapidity distribution and decorrelation of anisotropic flow within the open-computing-language implementation CLVisc hydrodynamics. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 6, art. no. 064918., Registrované v: WOS
 8. [1.1] WU, Xiang-Yu - PANG, Long-Gang - QIN, Guang-You - WANG, Xin-Nian. Longitudinal fluctuations and decorrelations of anisotropic flows at energies available at the CERN Large Hadron Collider and at the BNL Relativistic Heavy Ion Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 024913., Registrované v: WOS

ADCA744 ACHARYA, S. - ADAMOŮÁ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. p-p, p-Lambda, and Lambda-Lambda correlations studied via femtoscopy in pp reactions at root s=7 TeV. In *Physical Review C*, 2019, vol. 99, no. 2, art. no. 024001. (2018: 3.132 - IF, Q2 - JCR, 1.502 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.99.024001>

Ohlasy:

1. [1.1] BAZAK, S. - MROWCZYNSKI, S. Production of Li-4 and p-He-3 correlation function in relativistic heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, JUL 28 2020, vol. 56, no. 7., Registrované v: WOS
2. [1.1] BLUM, Kfir - TAKIMOTO, Masahiro. Nuclear coalescence from correlation functions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, art. no. 044913., Registrované v: WOS
3. [1.1] HAIDENBAUER, J. Exploring the Lambda-deuteron interaction

- via correlations in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, SEP 3 2020, vol. 102, no. 3., Registrované v: WOS
4. [1.1] HAIDENBAUER, J. - KREIN, G. - PEIXOTO, T.C.
Femtoscopic correlations and the Lambda N-c interaction. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, JUL 18 2020, vol. 56, no. 7., Registrované v: WOS
 5. [1.1] HAIDENBAUER, J. - MEISSNER, U.G. - NOGGA, A.
Hyperon-nucleon interaction within chiral effective field theory revisited. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, MAR 19 2020, vol. 56, no. 3., Registrované v: WOS
 6. [1.1] HIYAMA, E. - SASAKI, K. - MIYAMOTO, T. - DOI, T. - HATSUDA, T. - YAMAMOTO, Y. - RIJKEN, T.A. Possible Lightest Xi Hypernucleus with Modern Xi N Interactions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, MAR 4 2020, vol. 124, no. 9., Registrované v: WOS
 7. [1.1] KAMIYA, Y. - HYODO, T. - MORITA, K. - OHNISHI, A. - WEISE, W. K- p Correlation Function from High-Energy Nuclear Collisions and Chiral SU(3) Dynamics. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, APR 1 2020, vol. 124, no. 13., Registrované v: WOS
 8. [1.1] KOLB, Edward W. - TURNER, Michael S. Dibaryons cannot be the dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 6, art. no. 063519., Registrované v: WOS
 9. [1.1] KREIN, G. - PEIXOTO, T.C. Femtoscopy of the Origin of the Nucleon Mass. In FEW-BODY SYSTEMS. ISSN 0177-7963, NOV 19 2020, vol. 61, no. 4., Registrované v: WOS
 10. [1.1] LE, H. - HAIDENBAUER, J. - MEISSNER, U.G. - NOGGA, A. Implications of an increased Lambda-separation energy of the hypertriton. In PHYSICS LETTERS B. ISSN 0370-2693, FEB 10 2020, vol. 801., Registrované v: WOS
 11. [1.1] LORENZ, M. How protons interact with their exotic siblings. In NATURE. ISSN 0028-0836, DEC 10 2020, vol. 588, no. 7837, p. 222-223., Registrované v: WOS
 12. [1.1] MAJ, R. - MROWCZYNSKI, S. Sum rule of femtoscopic correlation functions. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 2 2020, vol. 101, no. 1., Registrované v: WOS
 13. [1.1] MROWCZYNSKI, S. Production of light nuclei at colliders - coalescence vs. thermal model. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 22-23, p. 3559-3583., Registrované v: WOS
 14. [1.1] MROWCZYNSKI, S. - SLON, P. HADRON-DEUTERON CORRELATIONS AND PRODUCTION OF LIGHT NUCLEI IN RELATIVISTIC HEAVY-ION COLLISIONS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2020, vol. 51, no. 8, p. 1739-1755., Registrované v: WOS
 15. [1.1] OHNISHI, A. - ISHIZUKA, C. - TSUBAKIHARA, K. - HIRATA, Y. Statistical double Lambda hypernuclear formation from Xi(-) absorption at rest in light nuclei. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, JUN 2020, vol. 2020, no. 6., Registrované v: WOS
 16. [1.1] SASAKI, K. - AOKI, S. - DOI, T. - GONGYO, S. -

HATSUDA, T. - IKEDA, Y. - INOUE, T. - IRITANI, T. - ISHII, N. - MURANO, K. - MIYAMOTO, T. Lambda Lambda and N Xi interactions from lattice QCD near the physical point. In NUCLEAR PHYSICS A. ISSN 0375-9474, JUN 2020, vol. 998., Registrované v: WOS

ADCA745 AAMODT, K. - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - ŠÁNDOR, Ladislav - VALA, Martin. Rapidity and transverse momentum dependence of inclusive J/psi production in pp collisions at root s=7 TeV. In *Physics Letters B*, 2011, vol. 704, no. 5, p. 442-455. (2010: 5.255 - IF, Q1 - JCR, 3.103 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2011.09.054>

Ohlasy:

1. [1.1] CISEK, Anna - SZCZUREK, Antoni. Prompt inclusive production of J/psi, psi ' and chi(c) mesons at the LHC in forward directions within the NRQCD k(t)-factorization approach: Search for the onset of gluon saturation. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 034035., Registrované v: WOS
2. [1.1] CHEN, Ya-Hui - LIU, Fu-Hu - LACEY, Roy A. Event Patterns Extracted from Transverse Momentum and Rapidity Spectra of Z Bosons and Quarkonium States Produced in pp and Pb-Pb Collisions at LHC. In *ADVANCES IN HIGH ENERGY PHYSICS*. ISSN 1687-7357, 2016, art. no. 9876253., Registrované v: WOS
3. [1.1] KOPELIOVICH, B. Z. - SCHMIDT, Ivan - SIDDIKOV, M. Suppression versus enhancement of heavy quarkonia in pA collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 065203., Registrované v: WOS
4. [1.1] KRAETSCHMER, Ilse. Production of eta(c), x(c) and x(b) Mesons in Proton-(Anti) Proton Collisions. In *FEW-BODY SYSTEMS*. ISSN 0177-7963, 2017, vol. 58, no. 2., Registrované v: WOS
5. [1.1] LEVIN, E. - SIDDIKOV, M. J/psi production in hadron scattering: three-pomeron contribution. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, APR 30 2019, vol. 79, no. 5., Registrované v: WOS
6. [1.1] LIU, Fu-Hu - WEI, Hua-Rong - LACEY, Roy A. Transverse momentum and pseudorapidity distributions of final-state particles and spatial structure pictures of an interacting system in p-Pb collisions at root sNN=5.02 TeV. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2015, vol. 51, no. 4, art. no. 43., Registrované v: WOS
7. [1.1] MICHELETTI, L. psi(2S) production in p-Pb collisions at root sNN = 8.16 TeV. In *NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS*. ISSN 2037-4909, 2018, vol. 41, no. 3, art. no. 99., Registrované v: WOS
8. [1.1] SEPAHVAND, R. - DADFAR, S. NLO corrections to c- and b-quark fragmentation into j/psi and gamma. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034012., Registrované v: WOS
9. [1.1] SCHMIDT, Ivan - SIDDIKOV, M. Production of pentaquarks in pA-collisions. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 094005., Registrované v: WOS
10. [1.1] YANG, Y. - CAI, S.H. - CAI, Y.B. - XIANG, W.C. Inclusive diffractive heavy quarkonium photoproduction in pp, pA and AA collisions. In

NUCLEAR PHYSICS A. ISSN 0375-9474, OCT 2019, vol. 990, p. 17-28.,
Registrované v: WOS

11. [1.1] YU, Gong-Ming - CAI, Yang-Bing - LI, Yun-De - WANG, Jian-Song. Heavy quarkonium photoproduction in ultrarelativistic heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 1, art. no. 014905., Registrované v: WOS

ADCA746 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Rapidity and transverse-momentum dependence of the inclusive J/psi nuclear modification factor in p-Pb collisions at root s(NN)=5.02 TeV. In *Journal of High Energy Physics*, 2015, vol. 2015, no. 6, art. no. 055. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP06\(2015\)055](https://doi.org/10.1007/JHEP06(2015)055)

Ohlasy:

1. [1.1] ARLEO, Francois - PEIGNE, Stephane. Disentangling shadowing from coherent energy loss using the Drell-Yan process. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 011502., Registrované v: WOS

2. [1.1] ARLEO, F. - COUGOULIC, F. - PEIGNE, S. Fully coherent energy loss effects on light hadron production in pA collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 30 2020, no. 9., Registrované v: WOS

3. [1.1] ARONSON, Samuel - BORRAS, Evan - ODEGARD, Brunel - SHARMA, Rishi - VITEV, Ivan. Collisional and thermal dissociation of J/psi and Y states at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 778, pp. 384-391., Registrované v: WOS

4. [1.1] DUCLOUE, B. - LAPPI, T. - MANTYSAARI, H. Forward J/psi production at high energy: Centrality dependence and mean transverse momentum. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 074031., Registrované v: WOS

5. [1.1] DU, Xiaojian - RAPP, Ralf. In-medium charmonium production in proton-nucleus collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2019, no. 3., Registrované v: WOS

6. [1.1] HONTSCHIK, A. - OTT, M. Motherhood in Conflictual Circumstances - Practices of Resistance and the Child's Positioning. In ZEITSCHRIFT FÜR SOZIOLOGIE DER ERZIEHUNG UND SOZIALISATION. ISSN 1436-1957, 2020, vol. 40, no. 4, p. 233-248., Registrované v: WOS

7. [1.1] CHEN, Gu - CHANG, Chao-Hsi - WU, Xing-Gang. B-c(*)-meson production via the proton-nucleus and the nucleus-nucleus collision modes at the colliders RHIC and LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 114022., Registrované v: WOS

8. [1.1] KOPELIOVICH, B. Z. - SCHMIDT, Ivan - SIDDIKOV, M. Suppression versus enhancement of heavy quarkonia in pA collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 065203., Registrované v: WOS

9. [1.1] KUSINA, Aleksander - LANSBERG, Jean-Philippe - SCHIENBEIN, Ingo - SHAO, Hua-Sheng. Gluon Shadowing in Heavy-Flavor

- Production at the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 5, art. no. 052004., Registrované v: WOS
10. [1.1] KUSINA, A. - LANSBERG, J. P. - SCHIENBEIN, I. - SHAO, H. S. IMPACT OF LHC HEAVY-FLAVOUR DATA ON NUCLEAR GLUON PDF. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2018, vol. 49, no. 6, pp. 1185-1198., Registrované v: WOS
11. [1.1] LIU, Fu-Hu - LAO, Hai-Ling - LACEY, Roy A. Productions of J/psi mesons in p-Pb collisions at 5 TeV. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 6, art. no. 1650036., Registrované v: WOS
12. [1.1] MA, Yan-Qing - TRIBEDY, Prithwish - VENUGOPALAN, Raju - WATANABE, Kazuhiro. Event engineering studies for heavy flavor production and hadronization in high multiplicity hadron-hadron and hadron-nucleus collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 074025., Registrované v: WOS
13. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS
14. [1.1] SANTOS, Helena. Results on quarkonia production in Heavy Ion collisions from the ATLAS Experiment. In XIII INTERNATIONAL CONFERENCE ON BEAUTY, CHARM AND HYPERON HADRONS (BEACH 2018). ISSN 1742-6588, 2019, vol. 1137., Registrované v: WOS
15. [1.1] VOGT, R. Shadowing effects on J/psi and Upsilon production at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 3, art. no. 034909., Registrované v: WOS

ADCA747 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Rapidity gap cross sections measured with the ATLAS detector in pp collisions at root s=7 TeV. In *European Physical Journal C*, 2012, vol. 72, no. 3, art. no. 1926. (2011: 3.631 - IF, Q2 - JCR, 2.962 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-012-1926-0>

Ohlasy:

1. [1.1] ANISOVICH, V. V. Universality of hadron cross sections at ultrahigh energies. In PHYSICS-USPEKHI. ISSN 1063-7869, 2015, vol. 58, no. 10, pp. 963-967., Registrované v: WOS
2. [1.1] ANISOVICH, V. V. - NIKONOV, V. A. Real part of scattering amplitude at ultrahigh energies. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 30, art. no. 1550188., Registrované v: WOS
3. [1.1] ANISOVICH, V. V. - NIKONOV, V. A. - NYIRI, J. Asymptotic regimes for hadron diffractive scatterings and Coulomb interaction: Arguments for the black disk mode. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 11, art. no. 1650053., Registrované v: WOS
4. [1.1] ANISOVICH, V. V. - NIKONOV, V. A. Hadron diffractive scattering at ultrahigh energies and Coulomb interaction. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 8, art. no. 1650051.,

Registrované v: WOS

5. [1.1] ARBELETCHE, L. B. - GONCALVES, V. P. - MUELLER, M. A. Investigating the influence of diffractive interactions on ultrahigh-energy extensive air showers. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 26, art. no. 1850153.,

Registrované v: WOS

6. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+.,

Registrované v: WOS

7. [1.1] BELLM, J. - DUNCAN, C.B. - GIESEKE, S. - MYSKA, M. - SIODMOK, A. Spacetime colour reconnection in Herwig 7. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 2019, vol. 79, no. 12.,

Registrované v: WOS

8. [1.1] BELLM, J. - GIESEKE, S. - KIRCHGAESSER, P. Improving the description of multiple interactions in Herwig. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 25 2020, vol. 80, no. 5., Registrované v: WOS

9. [1.1] BENOIT, Roland. Recent CMS results on diffraction. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 8, art. no. 1542011., Registrované v: WOS

10. [1.1] BIERLICH, Christian - GUSTAFSON, Gosta - LONNBLAD, Leif - SHAH, Harsh. The Angantyr model for heavy-ion collisions in Pythia8. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 134., Registrované v: WOS

11. [1.1] CECCOPIERI, Federico Alberto. Single-diffractive Drell-Yan pair production at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 1., Registrované v: WOS

12. [1.1] GIESEKE, Stefan - KIRCHGAESSER, Patrick - LOSHAJ, Frasher. A NEW MODEL FOR SOFT INTERACTIONS IN HERWIG. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 6, pp. 1025-1033., Registrované v: WOS

13. [1.1] GIESEKE, Stefan - LOSHAJ, Frasher - KIRCHGAESSER, Patrick. Soft and diffractive scattering with the cluster model in Herwig. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 3, art. no. 156., Registrované v: WOS

14. [1.1] GUSTAFSON, Gosta. Effects of diffraction in pp and pA collisions. In XLVI INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2016). ISSN 2100-014X, 2017, vol. 141, art. no. UNSP 03004., Registrované v: WOS

15. [1.1] GUSTAFSON, Gosta. Minireview on diffraction. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. 06002., Registrované v: WOS

16. [1.1] KHOZE, V. A. - MARTIN, A. D. - RYSKIN, M. G. Elastic scattering and diffractive dissociation in the light of LHC data. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 8, art. no. 1542004., Registrované v: WOS

17. [1.1] KHOZE, V.A. - MARTIN, A.D. - RYSKIN, M.G. Colliding Pomerons. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE

- PHYSICS. ISSN 0954-3899, NOV 2019, vol. 46, no. 11., Registrované v: WOS
18. [1.1] KOPELIOVICH, B. Z. - POTASHNIKOVA, I. K. - SCHMIDT, Ivan - PIRNER, H. J. - REYGERS, K. Pion-pion cross section from proton-proton collisions at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 054030., Registrované v: WOS
19. [1.1] MARTIN, Alan D. Lessons from LHC elastic and diffractive data. In 1ST INTERNATIONAL KAIDALOV WORKSHOP ON THE PHENOMENOLOGY OF HIGH ENERGY PARTICLE PHYSICS. ISSN 1742-6588, 2015, vol. 607, art. no. 012002., Registrované v: WOS
20. [1.1] MARTIN, A. D. - KHOZE, V. A. - RYSKIN, M. G. Lessons from LHC elastic and diffractive data. In DIFFRACTION 2014: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2015, vol. 1654, art. no. 050002., Registrované v: WOS
21. [1.1] MARTIN, T. A. D. Summary of diffractive studies at ATLAS, CMS and TOTEM. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 8, art. no. 1542010., Registrované v: WOS
22. [1.1] OSTAPCHENKO, S. QGSJET-III model: physics and preliminary results. In XX INTERNATIONAL SYMPOSIUM ON VERY HIGH ENERGY COSMIC RAY INTERACTIONS (ISVHECRI 2018). ISSN 2100-014X, 2019, vol. 208., Registrované v: WOS
23. [1.1] OSTAPCHENKO, S. - BLEICHER, M. - PIEROG, T. - WERNER, K. Constraining high energy interaction mechanisms by studying forward hadron production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 114026., Registrované v: WOS
24. [1.1] PIEROG, Tanguy. Modelling hadronic interactions in cosmic ray Monte Carlo generators. In 18TH INTERNATIONAL SYMPOSIUM ON VERY HIGH ENERGY COSMIC RAY INTERACTIONS (ISVHECRI 2014). ISSN 2100-014X, 2015, vol. 99, art. no. 09002., Registrované v: WOS
25. [1.1] PIEROG, T. Hadronic Interactions and Air Showers: Where Do We Stand?. In XX INTERNATIONAL SYMPOSIUM ON VERY HIGH ENERGY COSMIC RAY INTERACTIONS (ISVHECRI 2018). ISSN 2100-014X, 2019, vol. 208., Registrované v: WOS
26. [1.1] RASMUSSEN, Christine O. - SJOSTRAND, Torbjorn. Models for total, elastic and diffractive cross sections. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 461., Registrované v: WOS
27. [1.1] RIEHN, F. - ENGEL, R. - FEDYNITCH, A. - GAISSER, T.K. - STANEV, T. Hadronic interaction model SIBYLL 2.3d and extensive air showers. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 3 2020, vol. 102, no. 6., Registrované v: WOS
28. [1.1] TICHOUK - SUN, H. - LUO, X. Hard diffractive $\eta(c,b)$ hadroproduction at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 26 2020, vol. 101, no. 5., Registrované v: WOS
29. [1.1] ZHOU, Qi-Dong - ITOW, Yoshitaka - MENJO, Hiroaki - SAKO, Takashi. Monte Carlo study of particle production in diffractive proton-proton collisions at $\sqrt{s}=13$ TeV with the very forward detector combined with central information. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 4, art. no. 212., Registrované v: WOS

ADCA748 AAD, G. - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - STRÍŽENEC, Pavol. Readiness of the ATLAS liquid argon calorimeter for LHC collisions. In *European Physical Journal C*, 2010, vol. 70, no. 3, p. 723-753. (2009: 2.746 - IF, Q2 - JCR, 1.859 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-010-1354-y>

Ohlasy:

1. [1.1] AL JEBALI, Ramsey - ANNAND, John R. M. - ADLE, Jan-Olof. A helium gas scintillator active target for photoreaction measurements (vol 51, pg 123, 2015). In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 10, pp. 1-12., Registrované v: WOS
2. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS

ADCA749 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - STRÍŽENEC, Pavol. Readiness of the ATLAS Tile Calorimeter for LHC collisions. In *European Physical Journal C*, 2010, vol. 70, no. 4, p. 1193-1236. (2009: 2.746 - IF, Q2 - JCR, 1.859 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-010-1508-y>

Ohlasy:

1. [1.1] GASPAR, P. Towards the Increase in Granularity for the Main Hadronic ATLAS Calorimeter: Exploiting Deep Learning Methods. In 19TH INTERNATIONAL WORKSHOP ON ADVANCED COMPUTING AND ANALYSIS TECHNIQUES IN PHYSICS RESEARCH. ISSN 1742-6588, 2020, vol. 1525., Registrované v: WOS
2. [1.1] HE, Y.Y. - BUCH, A. - SZOPA, C. - WILLIAMS, A.J. - MILLAN, M. - GUZMAN, M. - FREISSINET, C. - MALESPIN, C. - GLAVIN, D.P. - EIGENBRODE, J.L. - COSCIA, D. - TEINTURIER, S. - LU, P. - CABANE, M. - MAHAFFY, P.R. The search for organic compounds with TMAH thermochemolysis: From Earth analyses to space exploration experiments. In TRAC-TRENDS IN ANALYTICAL CHEMISTRY. ISSN 0165-9936, JUN 2020, vol. 127., Registrované v: WOS
3. [1.1] KAZANIN, V. F. Laboratory tests of the response stability of the ATLAS Tile Calorimeter photomultipliers. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2017, vol. 12, art. no. C09002., Registrované v: WOS
4. [1.1] SANTURIO, Eduardo Valdes. Upgrade of Tile Calorimeter of the ATLAS Detector for the High Luminosity LHC. In 17TH INTERNATIONAL CONFERENCE ON CALORIMETRY IN PARTICLE PHYSICS (CALOR2016). ISSN 1742-6588, 2017, vol. 928, art. no. 012024., Registrované v: WOS
5. [1.1] TSISKARIDZE, Shota. The ATLAS Experiment at the Large Hadron Collider. In SEARCH FOR FLAVOR-CHANGING NEUTRAL CURRENT TOP QUARK DECAYS T HQ, WITH H BB, IN PP COLLISIONS AT S = 8 TEV WITH THE ATLAS DETECTOR. ISSN 2190-5053, 2017, pp. 37-58., Registrované v: WOS

ADCA750 ACHARYA, S. - ACOSTA, F.T. - ADAMOVÁ, D. - ADHYA, S.P. - ADLER, A. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Real-time data processing in the ALICE High Level Trigger at the LHC. In *Computer Physics Communications*, 2019, vol. 242, p. 25-48. (2018: 3.309 - IF, Q1 - JCR, 1.262 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0010-4655. Dostupné na: <https://doi.org/10.1016/j.cpc.2019.04.011>

Ohlasy:

1. [1.1] VOM BRUCH, D. Real-time data processing with GPUs in high energy physics. In *JOURNAL OF INSTRUMENTATION*. ISSN 1748-0221, JUN 2020, vol. 15, no. 6., Registrované v: WOS

ADCA751 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. In *European Physical Journal C*, 2016, vol. 76, no. 5, art. no. 295. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4110-0>

Ohlasy:

1. [1.1] PASCOLI, Silvia - RUIZ, Richard - WEILAND, Cedric. Safe jet vetoes. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2018, vol. 786, pp. 106-113., Registrované v: WOS
2. [1.1] PASCOLI, S. - RUIZ, R. - WEILAND, C. Heavy neutrinos with dynamic jet vetoes: multilepton searches at $s=14, 27$, and 100 TeV. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, JUN 13 2019, no. 6., Registrované v: WOS
3. [1.1] STEGGEMANN, J. Extended Scalar Sectors. In *ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE*, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 197-223., Registrované v: WOS

ADCA752 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC. In *European Physical Journal C*, 2017, vol. 77, no. 5, art. no. 332. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-017-4887-5>

Ohlasy:

1. [1.1] AN, Haipeng - GU, Jiayin - WANG, Lian-Tao. Exploring the nearly degenerate stop region with sbottom decays. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2017, no. 4, art. no. 084., Registrované v: WOS
2. [1.1] BEVILACQUA, G. - BI, H.Y. - HARTANTO, H.B. - KRAUS, M. - WOREK, M. The simplest of them all: $t\bar{t}$ at NLO accuracy in QCD. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, AUG 10 2020, no. 8., Registrované v: WOS
3. [1.1] BHARDWAJ, A. - KONAR, P. - SHARMA, P. - SWAIN, A.K. Exploring CP phase in tau-lepton Yukawa coupling in Higgs decays at the LHC. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*. ISSN

0954-3899, OCT 2019, vol. 46, no. 10., Registrované v: WOS

4. [1.1] BRIVIO, I. - BRUGGESSER, S. - MALTONI, F. - MOUTAFIS, R. - PLEHN, T. - VRYONIDOU, E. - WESTHOFF, S. - ZHANG, C. O new physics, where art thou? A global search in the top sector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 24 2020, no. 2., Registrované v: WOS

5. [1.1] BROGGIO, A. - FERROGLIA, A. - FREDERIX, R. - PAGANI, D. - PECJAK, B.D. - TSINIKOS, I. Top-quark pair hadroproduction in association with a heavy boson at NLO plus NNLL including EW corrections. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 7 2019, no. 8., Registrované v: WOS

6. [1.1] DENNER, A. - PELLICCIOLI, G. NLO QCD corrections to off-shell $t\bar{t} \rightarrow W^{\pm} \gamma$ production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 13 2020, no. 11., Registrované v: WOS

7. [1.1] DERCKS, Daniel - MOORTGAT-PICK, Gudrid - REUTER, Juergen - SHIM, So Young. The fate of the littlest Higgs model with T-parity under 13 TeV LHC data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 049., Registrované v: WOS

8. [1.1] FENG, Jonathan L. - GALON, Iftah - KLING, Felix - TROJANOWSKI, Sebastian. Forward Search Experiment at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 035001., Registrované v: WOS

9. [1.1] FREDERIX, Rikkert - PAGANI, Davide - ZARO, Marco. Large NLO corrections in $t(t)\bar{W}^{(\pm)}$ and $t(t)\bar{W}^{(\pm)}t\bar{W}^{(\pm)}$ hadroproduction from supposedly subleading EW contributions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 031., Registrované v: WOS

10. [1.1] HARTLAND, N.P. - MALTONI, F. - NOCERA, E.R. - ROJO, J. - SLADE, E. - VRYONIDOU, E. - ZHANG, C. A Monte Carlo global analysis of the Standard Model Effective Field Theory: the top quark sector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 15 2019, no. 4., Registrované v: WOS

11. [1.1] ROUSSEL, M.F. - STRIPAY, J.L. Modeling pediatric medulloblastoma. In BRAIN PATHOLOGY. ISSN 1015-6305, MAY 2020, vol. 30, no. 3, p. 703-712., Registrované v: WOS

ADCA753 ACHARYA, S. - ADAMOVIĆ, D. - ADHYA, S.P. - ADLER, A. - ADOLFSSON, J. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Scattering Studies with Low-Energy Kaon-Proton Femtoscopy in Proton-Proton Collisions at the LHC. In *Physical Review Letters*, 2020, vol. 124, no. 9, art. no. 092301. (2019: 8.385 - IF, Q1 - JCR, 3.588 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.124.092301>

Ohlasy:

1. [1.1] KAMIYA, Y. - HYODO, T. - MORITA, K. - OHNISHI, A. - WEISE, W. K- p Correlation Function from High-Energy Nuclear Collisions and Chiral SU(3) Dynamics. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, APR 1 2020, vol. 124, no. 13., Registrované v: WOS

ADCA754 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for a CP-odd Higgs boson decaying to Zh in pp collisions at root s=8 TeV with the ATLAS detector. In *Physics Letters B*, 2015, vol. 744, p. 163-183. (2014: 6.131 - IF, Q1 - JCR, 3.562 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2015.03.054>

Ohlasy:

1. [1.1] ALMARASHI, M.M. Light CP-odd Higgs boson production of the NMSSM in bottom-gluon fusion at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, SEP 10 2020, vol. 35, no. 25., Registrované v: WOS
2. [1.1] ALTMANNSHOFER, Wolfgang - EBY, Joshua - GORI, Stefania - LOTITO, Matteo - MARTONE, Mario - TUCKLER, Douglas. Collider signatures of flavorful Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 115032., Registrované v: WOS
3. [1.1] ANDERSEN, Jens O. - GORDA, Tyler - HELSET, Andreas - NIEMI, Lauri - TENKANEN, Tuomas V. - TRANBERG, Anders - VUORINEN, Aleksi - WEIR, David J. Nonperturbative Analysis of the Electroweak Phase Transition in the Two Higgs Doublet Model. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 19, art. no. 191802., Registrované v: WOS
4. [1.1] ARBEY, A. - MAHMOUDI, F. - STAL, O. - STEFANIAK, T. Status of the charged Higgs boson in two Higgs doublet models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 182., Registrované v: WOS
5. [1.1] ARCADI, Giorgio. 2HDM portal for singlet-doublet dark matter. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 10, art. no. 864., Registrované v: WOS
6. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. - MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of heavy Higgs bosons decaying invisibly at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS
7. [1.1] ARHRIB, A. - BENBRIK, R. - HAROUIZ, H. - MORETTI, S. - ROUCHAD, A. A Guidebook to Hunting Charged Higgs Bosons at the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, MAR 10 2020, vol. 8., Registrované v: WOS
8. [1.1] BACKOVIC, Mihailo - KULKARNI, Suchita - MARIOTTI, Alberto - SESSOLA, Enrico Maria - SPANNOVSKY, Michael. Cornering diphoton resonance models at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 8, art. no. 018., Registrované v: WOS
9. [1.1] BADZIAK, Marcin - WAGNER, Carlos E. M. Enhancing the Higgs associated production with a top quark pair. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 123., Registrované v: WOS
10. [1.1] BAGNASCHI, E. - BAHL, H. - FUCHS, E. - HAHN, T. - HEINEMEYER, S. - LIEBLER, S. - PATEL, S. - SLAVICH, P. - STEFANIAK, T. - WAGNER, C.E.M. - WEIGLEIN, G. MSSM Higgs boson searches at the LHC: benchmark scenarios for Run 2 and beyond. In EUROPEAN PHYSICAL

JOURNAL C. ISSN 1434-6044, JUL 20 2019, vol. 79, no. 7., Registrované v: WOS

11. [1.1] BARDUCCI, D. - BELANGER, G. - HUGONIE, C. - PUKHOV, A. Status and prospects of the nMSSM after LHC Run-1. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 1, art. no. 050., Registrované v: WOS

12. [1.1] BARMAN, Rahool Kumar - BHATTACHERJEE, Biplob - CHAKRABORTY, Amit - CHOUDHURY, Arghya. Study of MSSM heavy Higgs bosons decaying into charginos and neutralinos. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075013., Registrované v: WOS

13. [1.1] BARMAN, R.K. - BHATTACHERJEE, B. - CHOUDHURY, A. - CHOWDHURY, D. - LAHIRI, J. - RAY, S. Current status of MSSM Higgs sector with LHC 13 TeV data. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, APR 2019, vol. 134, no. 4., Registrované v: WOS

14. [1.1] BAUER, Martin - CARENA, Marcela - GEMMLER, Katrin. Flavor from the electroweak scale. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 11, art. no. 016., Registrované v: WOS

15. [1.1] BAUER, Martin - CARENA, Marcela - GEMMLER, Katrin. Creating the fermion mass hierarchies with multiple Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 115030., Registrované v: WOS

16. [1.1] BAUM, Sebastian - FREESE, Katherine - SHAH, Nausheen R. - SHAKYA, Bibhushan. NMSSM Higgs boson search strategies at the LHC and the mono-Higgs signature in particular. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115036., Registrované v: WOS

17. [1.1] BAUM, S. - SHAH, N.R. - FREESE, K. The NMSSM is within reach of the LHC: mass correlations & decay signatures. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 1 2019, no. 4., Registrované v: WOS

18. [1.1] BENAKLI, Karim - DARME, Luc - GOODSSELL, Mark D. - HARZ, Julia. The di-photon excess in a perturbative SUSY model. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 911, pp. 127-162., Registrované v: WOS

19. [1.1] BERNREUTHER, W. - GALLER, P. - MELLEIN, C. - SI, Z.G. - UWER, P. Production of heavy Higgs bosons and decay into top quarks at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 034032., Registrované v: WOS

20. [1.1] BHATTACHERJEE, Biplob - CHAKRABORTY, Amit - CHOUDHURY, Arghya. Status of the MSSM Higgs sector using global analysis and direct search bounds, and future prospects at the High Luminosity LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 093007., Registrované v: WOS

21. [1.1] BIAN, Ligong - CHEN, Ning. Higgs pair productions in the CP-violating two-Higgs-doublet model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 9, art. no. 069., Registrované v: WOS

22. [1.1] BIAN, Ligong - CHEN, Ning - ZHANG, Yongchao. CP violation effects in the diphoton spectrum of heavy scalars. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 095008., Registrované v: WOS

23. [1.1] BISWAS, Ambalika - LAHIRI, Amitabha. Masses of physical

- scalars in two Higgs doublet models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 115012., Registrované v: WOS
24. [1.1] BLASI, Simone - DE CURTIS, Stefania - YAGYU, Kei. Extracting the mass scale of a second Higgs boson from a deviation in $h(125)$ couplings. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 9, art. no. 091., Registrované v: WOS
25. [1.1] BONILLA, Cesar - ROMAO, Jorge C. - VALLE, Jose W. F. Electroweak breaking and neutrino mass: 'invisible' Higgs decays at the LHC (type II seesaw). In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2016, vol. 18, art. no. 033033., Registrované v: WOS
26. [1.1] CACCHIO, Vincenzo - CHOWDHURY, Debtosh - EBERHARDT, Otto - MURPHY, Christopher W. Next-to-leading order unitarity fits in Two-Higgs-Doublet models with soft $Z(2)$ breaking. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 11, art. no. 026., Registrované v: WOS
27. [1.1] COLEPPA, Baradhwaj - FUKS, Benjamin - POULOSE, P. - SAHOO, Shibananda. Seeking heavy Higgs bosons through cascade decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075007., Registrované v: WOS
28. [1.1] COX, Peter - MEDINA, Anibal D. - RAY, Tirtha Sankar - SPRAY, Andrew. Novel collider and dark matter phenomenology of a top-philic Z' . In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 6, art. no. 110., Registrované v: WOS
29. [1.1] CRAIG, Nathaniel - D'ERAMO, Francesco - DRAPER, Patrick - THOMAS, Scott - ZHANG, Hao. The hunt for the rest of the Higgs bosons. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 137., Registrované v: WOS
30. [1.1] DEMIRCI, M. Precise predictions for charged Higgs boson pair production in photon-photon collisions. In NUCLEAR PHYSICS B. ISSN 0550-3213, DEC 2020, vol. 961., Registrované v: WOS
31. [1.1] DEMIRCI, M. Pseudoscalar Higgs boson pair production at a photon-photon collision in the two Higgs doublet model. In TURKISH JOURNAL OF PHYSICS. ISSN 1300-0101, 2019, vol. 43, no. 5, p. 442-458., Registrované v: WOS
32. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS
33. [1.1] DORSCH, G. C. - HUBER, S. J. - MIMASU, K. - NO, J. M. Hierarchical versus degenerate 2HDM: The LHC run 1 legacy at the onset of run 2. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115033., Registrované v: WOS
34. [1.1] DUTTA, Bhaskar - MIMURA, Yukihiro. Enhancement of $\text{Br}(B \rightarrow d \mu^+ \mu^-) / \text{Br}(B \rightarrow s \mu^+ \mu^-)$ in supersymmetric unified models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 095011., Registrované v: WOS
35. [1.1] ELLIS, John - ELLIS, Sebastian A. R. - QUEVILLON, Jeremie - SANZ, Veronica - YOU, Tevong. On the interpretation of a possible similar to 750 GeV particle decaying into gamma gamma. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 176., Registrované v: WOS

36. [1.1] FERREIRA, Pedro M. - LIEBLER, Stefan - WITTBRODT, Jonas. $pp \rightarrow A \rightarrow Z h$ and the wrong-sign limit of the two-Higgs-doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055008., Registrované v: WOS
37. [1.1] FRANCESCHINI, Roberto - GIUDICE, Gian F. - KAMENIK, Jernej F. - MCCULLOUGH, Matthew - POMAROL, Alex - RATTAZZI, Riccardo - REDI, Michele - RIVA, Francesco - STRUMIA, Alessandro - TORRE, Riccardo. What is the gamma gamma resonance at 750 GeV? In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 144., Registrované v: WOS
38. [1.1] FRANK, Mariana - POURTOLAMI, Nima - TOHARIA, Manuel. Bulk Higgs with a heavy diphoton signal. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 036007., Registrované v: WOS
39. [1.1] FREESE, Katherine - LOPEZ, Alejandro - SHAH, Nausheen R. - SHAKYA, Bibhushan. MSSM A-funnel and the galactic center excess: prospects for the LHC and direct detection experiments. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 059., Registrované v: WOS
40. [1.1] HAN, Xiao-Fang - WANG, Lei - YANG, Jin Min. An extension of two-Higgs-doublet model and the excesses of 750 GeV diphoton, muon $g-2$ and $h \rightarrow \mu \tau$. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 757, pp. 537-547., Registrované v: WOS
41. [1.1] HASHEMI, Majid - HAGHIGHAT, Gholamhossein. Capability of future linear colliders to discover heavy neutral CP-even and CP-odd Higgs bosons within type-I 2HDM. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 9, art. no. 095005., Registrované v: WOS
42. [1.1] HASHEMI, Majid. Possibility of observing Higgs bosons at the ILC in the lepton-specific 2HDM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115004., Registrované v: WOS
43. [1.1] HASHEMI, M. - HAGHIGHAT, G. Search for neutral Higgs bosons decaying to $b(\bar{b})$ in the flipped 2HDM at future $e(-)e(+)$ linear colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 29 2019, vol. 100, no. 1., Registrované v: WOS
44. [1.1] HASHEMI, M. - HAGHIGHAT, G. Search for neutral Higgs bosons within type-I 2HDM at future linear colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 18 2019, vol. 79, no. 5., Registrované v: WOS
45. [1.1] HASHEMI, M. - HAGHIGHAT, G. Observability of 2HDM neutral Higgs bosons with different masses at future $e(+)\bar{e}(-)$ linear colliders. In NUCLEAR PHYSICS B. ISSN 0550-3213, FEB 2020, vol. 951., Registrované v: WOS
46. [1.1] HERNANDEZ-JUAREZ, A. I. - TAVARES-VELASCO, G. - MOYOTL, A. Chromomagnetic and chromoelectric dipole moments of the top quark in the fourth-generation THDM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035040., Registrované v: WOS
47. [1.1] CHAMORRO-SOLANO, S. - MOYOTL, A. - PEREZ, M. A. Lepton flavor changing Higgs boson decays in a two Higgs doublet model with a fourth generation of fermions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 7, art. no. 075003.,

Registrované v: WOS

48. [1.1] CHIANG, Cheng-Wei - KUO, An-Li - YAGYU, Kei. Radiative corrections to Higgs couplings with weak gauge bosons in custodial multi-Higgs models. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 774, pp. 119-122., Registrované v: WOS

49. [1.1] CHOWDHURY, Debtosh - EBERHARDT, Otto. Global fits of the two-loop renormalized Two-Higgs-Doublet model with soft $Z(2)$ breaking. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 11, art. no. 052., Registrované v: WOS

50. [1.1] CHOWDHURY, Debtosh - EBERHARDT, Otto. Update of global Two-Higgs-Doublet model fits. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 161., Registrované v: WOS

51. [1.1] JENNICHES, Laura - STURM, Christian - UCCIRATI, Sandro. Electroweak corrections in the 2HDM for neutral scalar Higgs-boson production through gluon fusion. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 017., Registrované v: WOS

52. [1.1] KAINULAINEN, K. - KEUS, V. - NIEMI, L. - RUMMUKAINEN, K. - TENKANEN, T.V.I. - VASKONEN, V. On the validity of perturbative studies of the electroweak phase transition in the Two Higgs Doublet model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 17 2019, no. 6., Registrované v: WOS

53. [1.1] KANEMURA, Shinya - SHINDOU, Tetsuo - SUGIYAMA, Hiroaki. R-parity conserving supersymmetric extension of the Zee model. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 115001., Registrované v: WOS

54. [1.1] KANG, Sin Kyu - QIAN, Zhuoni - SONG, Jeonghyeon - YOON, Yeo Woong. Confronting the fourth generation two-Higgs-doublet model with the phenomenology of heavy Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095025., Registrované v: WOS

55. [1.1] KEUS, Venus - KING, Stephen F. - MORETTI, Stefano - YAGYU, Kei. CP violating Two-Higgs-Doublet Model: constraints and LHC predictions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 048., Registrované v: WOS

56. [1.1] KEUS, Venus - KOIVUNENA, Niko - TUOMINENA, Kimmo. Singlet scalar and 2HDM extensions of the Standard Model: CP-violation and constraints from $(g-2)(\mu)$ and eEDM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 059., Registrované v: WOS

57. [1.1] KLING, Felix - NO, Jose Miguel - SU, Shufang. Anatomy of exotic Higgs decays in 2HDM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 9, art. no. 093., Registrované v: WOS

58. [1.1] KLING, Felix - PYARELAL, Adarsh - SU, Shufang. Light charged Higgs bosons to AW/HW via top decay. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 11, art. no. 051., Registrované v: WOS

59. [1.1] KLING, F. - SU, S.F. - SU, W. 2HDM neutral scalars under the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 26 2020, no. 6., Registrované v: WOS

60. [1.1] KRIBS, G.D. - MARTIN, A. - OSTDIEK, B. - TONG, T. Dark mesons at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 23 2019, no. 7., Registrované v: WOS

61. [1.1] KUMAR, Jacky - PARASKEVAS, Michael. Distinguishing between MSSM and NMSSM through $\Delta F=2$ processes. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 10, art. no. 134., Registrované v: WOS
62. [1.1] LIAO, Wei - ZHENG, Han-Qing. Scalar Resonance at 750 GeV as Composite of Heavy Vector-Like Fermions. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2016, vol. 66, no. 2, pp. 219-223., Registrované v: WOS
63. [1.1] LI, Tong - SU, Shufang. Exotic Higgs decay via charged Higgs. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 11, art. no. 068., Registrované v: WOS
64. [1.1] LOW, Matthew - TESI, Andrea - WANG, Lian-Tao. A pseudoscalar decaying to photon pairs in the early LHC Run 2 data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 108., Registrované v: WOS
65. [1.1] SANCHEZ-VELEZ, R. - TAVARES-VELASCO, G. Decay $\phi \rightarrow Z \gamma \gamma$ ($\phi = h, H, A$) in the minimal supersymmetric standard model. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 19 2019, vol. 99, no. 5., Registrované v: WOS
66. [1.1] WANG, Lei - SHI, Rongle - HAN, Xiao-Fang. Wrong sign Yukawa coupling of the 2HDM with a singlet scalar as dark matter confronted with dark matter and Higgs data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 115025., Registrované v: WOS
67. [1.1] WANG, Lei - SHI, Rongle - HAN, Xiao-Fang - ZHU, Bin. Light scalar dark matter extension of the type-II two-Higgs-doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035024., Registrované v: WOS

ADCA755 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector. In *European Physical Journal C*, 2012, vol. 72, no. 9, art. no. 2157. (2011: 3.631 - IF, Q2 - JCR, 2.962 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1434-6044.

Ohlasy:

1. [1.1] HETZEL, Jamil - STECH, Berthold. Low-energy phenomenology of trinification: An effective left-right-symmetric model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 5, art. no. 055026., Registrované v: WOS

ADCA756 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for a heavy gauge boson decaying to a charged lepton and a neutrino in 1 fb⁻¹ of pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector ATLAS Collaboration. In *Physics Letters B*, 2011, vol. 705, no. 1-2, p. 28-46. (2010: 5.255 - IF, Q1 - JCR, 3.103 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] ASHRY, M. - KHALIL, S. Phenomenological aspects of a TeV-scale alternative left-right model. In PHYSICAL REVIEW D. ISSN

2470-0010, 2015, vol. 91, no. 1, art. no. 015009., Registrované v: WOS
2. [1.1] DOFF, A. - SIQUEIRA, Clarissa. Composite Higgs models, Technicolor and the muon anomalous magnetic moment. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 754, pp. 294-301., Registrované v: WOS

ADCA757 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the llbb final state in pp collisions at root s=13 TeV with the ATLAS detector. In *Physics Letters B*, 2018, vol. 783, p. 392-414. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.07.006>

Ohlasy:

1. [1.1] AGASHE, Kaustubh - COLLINS, Jack H. - DU, Peizhi - HONG, Sungwoo - KIM, Doojin - MISHRA, Rashmish K. Detecting a boosted diboson resonance. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 027., Registrované v: WOS
2. [1.1] BRANCHINA, V. - CONTINO, F. - FERREIRA, P. M. Electroweak vacuum lifetime in two Higgs doublet models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 107., Registrované v: WOS
3. [1.1] DEMIRCI, M. Pseudoscalar Higgs boson pair production at a photon-photon collision in the two Higgs doublet model. In TURKISH JOURNAL OF PHYSICS. ISSN 1300-0101, 2019, vol. 43, no. 5, p. 442-458., Registrované v: WOS
4. [1.1] HASHEMI, Majid - HAGHIGHAT, Gholamhossein. Capability of future linear colliders to discover heavy neutral CP-even and CP-odd Higgs bosons within type-I 2HDM. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 9, art. no. 095005., Registrované v: WOS
5. [1.1] HASHEMI, Majid. Possibility of observing Higgs bosons at the ILC in the lepton-specific 2HDM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115004., Registrované v: WOS
6. [1.1] HASHEMI, M. - HAGHIGHAT, G. Search for neutral Higgs bosons decaying to b(b)over-bar in the flipped 2HDM at future e(-) e(+) linear colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 29 2019, vol. 100, no. 1., Registrované v: WOS
7. [1.1] LANE, K. - SHEPHERD, W. Natural stabilization of the Higgs boson's mass and alignment. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 12 2019, vol. 99, no. 5., Registrované v: WOS
8. [1.1] MACALUSO, Sebastian - SHIH, David. Pulling out all the tops with computer vision and deep learning. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 121., Registrované v: WOS
9. [1.1] MODAK, T. Probing an additional bottom Yukawa coupling via bg -> bA -> bZH signature. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 20 2019, vol. 100, no. 3., Registrované v: WOS
10. [1.1] NAPOLETANO, Davide - SOYEZ, Gregory. Computing Nsubjettiness for boosted jets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 031., Registrované v: WOS

11. [1.1] NEVES, M. J. - HELAYEL-NETO, J. A. - MOHAPATRA, Rabindra N. - OKADA, Nobuchika. Minimally extended left-right symmetric model for dark matter with U(1) portal. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 009., Registrované v: WOS

ADCA758 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - ABED ABUD, A. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for a heavy charged boson in events with a charged lepton and missing transverse momentum from pp collisions at root s=13 TeV with the ATLAS detector. In *Physical Review D*, 2019, vol. 100, no. 5, art. no. 052013. (2018: 4.368 - IF, Q1 - JCR, 1.703 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.100.052013>

Ohlasy:

1. [1.1] BIGARAN, I. - VOLKAS, R.R. Getting chirality right: Single scalar leptoquark solutions to the (g-2)(e,mu) puzzle. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 28 2020, vol. 102, no. 7., Registrované v: WOS
2. [1.1] BUONOCORE, L. - HAISCH, U. - NASON, P. - TRAMONTANO, F. - ZANDERIGHI, G. Lepton-Quark Collisions at the Large Hadron Collider. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, DEC 2 2020, vol. 125, no. 23., Registrované v: WOS
3. [1.1] HOU, W.S. - MODAK, T. - WONG, G.G. Scalar leptoquark effects on B -> mu nu decay. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS

ADCA759 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for a heavy narrow resonance decaying to e mu, e tau, or mu tau with the ATLAS detector in root s=7 TeV pp collisions at the LHC. In *Physics Letters B*, 2013, vol. 723, no. 1-3, p. 15-32. (2012: 4.569 - IF, Q1 - JCR, 3.353 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] FRANCESCHINI, Roberto. Status of LHC Searches for SUSY without R-Parity. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 581038., Registrované v: WOS
2. [1.1] CHOUDHURY, D. - KUMAR, N. - KUNDU, A. Search for an opposite sign muon-tau pair and a b-jet at the LHC in the context of flavor anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 1 2019, vol. 100, no. 7., Registrované v: WOS

ADCA760 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for a Heavy Neutral Particle Decaying to e mu, e tau, or mu tau in pp Collisions at root s=8 TeV with the ATLAS Detector. In *Physical Review Letters*, 2015, vol. 115, no. 3, art. no. 031801. (2014: 7.512 - IF, Q1 - JCR, 5.232 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.115.031801>

Ohlasy:

1. [1.1] ARGANDA, E. - HERRERO, M. J. - MARCANO, X. - WEILAND, C. Exotic mu tau jj events from heavy ISS neutrinos at the LHC. In

PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 752, pp. 46-50.,
Registrované v: WOS

2. [1.1] ARGANDA, E. - MARCANO, X. - MILEO, N.I. - MORALES, R.A. - SZYNKMAN, A. Model-independent search strategy for the lepton-flavor-violating heavy Higgs boson decay to tau mu at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 2019, vol. 79, no. 9., Registrované v: WOS

3. [1.1] BARDHAN, Debjyoti - BHATTACHARYYA, Gautam - GHOSH, Diptimoy - PATRA, Monalisa - RAYCHAUDHURI, Sreerup. Detailed analysis of flavor-changing decays of top quarks as a probe of new physics at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015026., Registrované v: WOS

4. [1.1] DERCKS, Daniel - DREINER, Herbi - KRAUSS, Manuel E. - OPFERKUCH, Toby - REINERT, Annika. R-parity violation at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 856., Registrované v: WOS

5. [1.1] GHOSH, Pradipta - LARA, Inaki - LOPEZ-FOGLIANI, Daniel E. - MUNOZ, Carlos - DE AUSTRI, Roberto Ruiz. Searching for left sneutrino LSP at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 18-19, art. no. 1850110., Registrované v: WOS

6. [1.1] CHAKRABORTY, Amit - CHAKRABORTY, Sabyasachi. Probing $(g-2)(\mu)$ at the LHC in the paradigm of R-parity violating MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075035., Registrované v: WOS

7. [1.1] CHOUDHURY, Debajyoti - KUNDU, Anirban - NANDI, Soumitra - PATRA, Sunando Kumar. Unified resolution of the $R(D)$ and $R(D^*)$ anomalies and the lepton flavor violating decay $h \rightarrow \mu \tau$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035021., Registrované v: WOS

8. [1.1] MARCANO, Xabier. Exotic LFV Signals from Low Scale Seesaw Neutrinos at the LHC. In LEPTON FLAVOR VIOLATION FROM LOW SCALE SEESAW NEUTRINOS WITH MASSES REACHABLE AT THE LHC. ISSN 2190-5053, 2018, pp. 119-125., Registrované v: WOS

9. [1.1] SPANNOWSKY, Michael - STOLL, Martin. Tracking new physics at the LHC and beyond. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 054033., Registrované v: WOS

ADCA761 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for a Heavy Particle Decaying into an Electron and a Muon with the ATLAS Detector in root $s=7$ TeV pp collisions at the LHC. In *Physical Review Letters*, 2011, vol. 106, no. 25, art. no. 251801. (2010: 7.622 - IF, Q1 - JCR, 6.450 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

1. [1.1] BASSAN, M. - DE LAURENTIS, M. - DE ROSA, R. - DI FIORE, L. - ERRICO, L. - GARUFI, P. - GRADO, A. - MINENKOV, Y. - PUCACCO, G. - VISCO, M. Liquid actuated gravity experiments. In INTERNATIONAL JOURNAL OF MODERN PHYSICS D. ISSN 0218-2718, JUL 2019, vol. 28, no. 9., Registrované v: WOS

2. [1.1] CAI, Yi - SCHMIDT, Michael A. A case study of the sensitivity to LFV operators with precision measurements and the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 2, art. no. 176., Registrované v: WOS
3. [1.1] LEMOS, A.S. - LUNA, G.C. - MACIEL, E. - DAHIA, F. Spectroscopic tests for short-range modifications of Newtonian and post-Newtonian potentials. In CLASSICAL AND QUANTUM GRAVITY. ISSN 0264-9381, DEC 19 2019, vol. 36, no. 24., Registrované v: WOS
4. [1.1] RAJARAMAN, A. - SMOLINSKY, J. SELF-INTERACTING DARK MATTER WITH A NEUTRINOPHILIC SCALAR MEDIATOR. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2020, vol. 51, no. 9, p. 1827-1839., Registrované v: WOS

ADCA762 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Search for a Heavy Particle Decaying to a Top Quark and a Light Quark in $p(\bar{p})$ Collisions at $\sqrt{s}=1.96$ TeV. In *Physical Review Letters*, 2012, vol. 108, no. 21, art. no. 211805. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.108.211805>

Ohlasy:

1. [1.1] BROD, Joachim - DROBNAK, Jure - KAGAN, Alexander L. - STAMOU, Emmanuel - ZUPAN, Jure. Stealth QCD-like strong interactions and the $t(\bar{t})$ asymmetry. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 095009., Registrované v: WOS

ADCA763 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for a heavy Standard Model Higgs boson in the channel $H \rightarrow ZZ \rightarrow l^{+}l^{-} q(\bar{q})$ using the ATLAS detector. In *Physics Letters B*, 2012, vol. 707, no. 1, p. 27-45. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2011.11.056>

Ohlasy:

1. [1.1] DUPUIS, Grace. Collider constraints and prospects of a scalar singlet extension to Higgs portal dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art. no. 008., Registrované v: WOS

ADCA764 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Search for a Heavy Toplike Quark in $p(\bar{p})$ Collisions at $\sqrt{s}=1.96$ TeV. In *Physical Review Letters*, 2011, vol. 107, no. 26, art. no. 261801. (2010: 7.622 - IF, Q1 - JCR, 6.450 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.104.111802>

Ohlasy:

1. [1.1] BOOS, E. E. - BRANDT, O. E. - DENISOV, D. S. - DENISOV, S. P. - GRANNIS, P. D. The top quark (20 years after its discovery). In PHYSICS-USPEKHI. ISSN 1063-7869, 2015, vol. 58, no. 12, pp. 1133-1158., Registrované v: WOS
2. [1.1] COLUCCIO LESKOW, Estefania - MARTIN, Travis A. W. - DE LA PUENTE, Alejandro. Vector-like quarks with a scalar triplet. In

PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 743, pp. 366-376.,
Registrované v: WOS

3. [1.1] DENISOV, Dmitri - VELLIDIS, Costas. The TOP QUARK, 20 years after its discovery. In PHYSICS TODAY. ISSN 0031-9228, 2015, vol. 68, no. 4, pp. 46-52., Registrované v: WOS

4. [1.1] GIRDHAR, Aarti - MUKHOPADHYAYA, Biswarup - PATRA, Monalisa. Distinguishing signatures of top- and bottom-type heavy vectorlike quarks at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055015., Registrované v: WOS

ADCA765 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Search for a heavy vector boson decaying to two gluons in $p(p)$ -over-bar collisions at $\sqrt{s}=1.96$ TeV. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2012, vol. 86, no. 11, art. no. 112002. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.
Dostupné na: <https://doi.org/10.1103/PhysRevD.86.112002>

Ohlasy:

1. [1.1] GREINER, Nicolas - KONG, Kyoungchul - PARK, Jong-Chul - PARK, Seong Chan - WINTER, Jan-Christopher. Model-independent production of a top-philic resonance at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 029., Registrované v: WOS

ADCA766 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for a high-mass Higgs boson decaying to a W boson pair in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2016, vol. 2016, no. 1, art. no. 032. (2015: 6.023 - IF, Q1 - JCR, 1.343 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP01\(2016\)032](https://doi.org/10.1007/JHEP01(2016)032)

Ohlasy:

1. [1.1] ABDUSSALAM, S. - CABRERA, M.E. Revealing mass-degenerate states in Higgs boson signals. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 2019, vol. 79, no. 12., Registrované v: WOS

2. [1.1] ABDUSSALAM, S.S. Testing Higgs boson scenarios in the phenomenological NMSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 25 2019, vol. 79, no. 5., Registrované v: WOS

3. [1.1] AHRICHE, Amine - FAISEL, Gaber - NASRI, Salah - TANDEAN, Jusak. Exploring high-mass diphoton resonance without new colored states. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 916, pp. 64-93., Registrované v: WOS

4. [1.1] ARHRIB, A. - BENBRIK, R. - EL FALAKI, J. - SAMPAIO, M. - SANTOS, R. Pseudoscalar decays to gauge bosons at the LHC and at a future 100 TeV collider. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 27 2019, vol. 99, no. 3., Registrované v: WOS

5. [1.1] BAUER, Martin - BUTTER, Anja - GONZALEZ-FRAILE, J. - PLEHN, Tilman - RAUCH, Michael. Learning from a Higgs-like scalar resonance. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055011., Registrované v: WOS

6. [1.1] BAUM, Sebastian - FREESE, Katherine - SHAH, Nausheen R. -

- SHAKYA, Bibhushan. NMSSM Higgs boson search strategies at the LHC and the mono-Higgs signature in particular. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115036., Registrované v: WOS
7. [1.1] BIEKOETTER, Anke - HEWETT, JoAnne L. - KIM, Jong Soo - KRAEMER, Michael - RIZZO, Thomas G. - ROLBIECKI, Krzysztof - TATTERSALL, Jamie) - WEBER, Torsten. Complementarity of resonant scalar, vector-like quark and superpartner searches in elucidating new phenomena. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 5, art. no. 1750032., Registrované v: WOS
8. [1.1] DAS, D. Dominant production of heavier Higgs bosons through vector boson fusion in the NMSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 24 2019, vol. 99, no. 9., Registrované v: WOS
9. [1.1] DAWSON, S. - LEWIS, I. M. Singlet model interference effects with high scale UV physics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015004., Registrované v: WOS
10. [1.1] DI CHIARA, Stefano - HEKTOR, Andi - KANNIKE, Kristjan - MARZOLA, Luca - RAIDAL, Martti. Large loop-coupling enhancement of a heavy pseudoscalar from a light dark sector. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 917, pp. 31-43., Registrované v: WOS
11. [1.1] DING, Ran - HUANG, Li - LI, Tianjun - ZHU, Bin. Interpreting 750 GeV diphoton excess with R-parity violating supersymmetry. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 2-3, art. no. 1750014., Registrované v: WOS
12. [1.1] GUTIERREZ-RODRIGUEZ, A. - HERNANDEZ-RUIZ, M. A. Probing the Z' resonance and the Higgs boson production and decay in a $SU(3)_C \times U(1)_Y \times U(1)_{B-L}$ model at future e^+e^- colliders. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 9, art. no. 352., Registrované v: WOS
13. [1.1] CHAKRABORTY, Amit - MAITRA, Ushoshi - RAYCHAUDHURI, Sreerup - SAMUI, Tousik. Mixed Higgs-radion states at the LHC a detailed study. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 922, pp. 41-61., Registrované v: WOS
14. [1.1] KOBAKHIDZE, Archil - MCDONALD, Kristian L. - WU, Lei - YUE, Jason. Warped graviton couplings to bulk vectors with brane-localized kinetic terms. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 33, art. no. 1745004., Registrované v: WOS
15. [1.1] LEWIS, Ian M. - SULLIVAN, Matthew. Benchmarks for double Higgs production in the singlet-extended standard model at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035037., Registrované v: WOS
16. [1.1] OUAZGHOUR, B.A. - ARHRIB, A. - BENBRIK, R. - CHABAB, M. - RAHILI, L. Theory and phenomenology of a two-Higgs-doublet type-II seesaw model at the LHC run 2. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 27 2019, vol. 100, no. 3., Registrované v: WOS
17. [1.1] SANCHEZ-VELEZ, R. - TAVARES-VELASCO, G. Decay $\phi \rightarrow Z \gamma \gamma$ ($\phi = h, H, A$) in the minimal supersymmetric standard model. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 19 2019, vol. 99, no. 5., Registrované v: WOS
18. [1.1] VON BUDDENBROCK, Stefan. Exploring LHC Run 1 and 2 data using the Madala hypothesis. In INTERNATIONAL WORKSHOP ON

DISCOVERY PHYSICS AT THE LHC. ISSN 1742-6588, 2017, vol. 878, art. no. UNSP 012030., Registrované v: WOS

19. [1.1] WANG, Lei - SHI, Rongle - HAN, Xiao-Fang - ZHU, Bin. Light scalar dark matter extension of the type-II two-Higgs-doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035024., Registrované v: WOS

20. [1.1] YOON, Yeo Woong - CHEUNG, Kingman - KANG, Sin Kyu - SONG, Jeonghyeon. Radiative decays of a singlet scalar boson through vectorlike quarks. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 055041., Registrované v: WOS

ADCA767 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for a Charged Higgs Boson Produced in the Vector-Boson Fusion Mode with Decay $H^{+/-} \rightarrow W^{+/-}Z$ using pp Collisions at $\sqrt{s}=8$ TeV with the ATLAS Experiment. In *Physical Review Letters*, 2015, vol. 114, no. 23, art. no. 231801. (2014: 7.512 - IF, Q1 - JCR, 5.232 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.114.231801>

Ohlasy:

1. [1.1] ALCAIDE, J. - MILEO, N.I. LHC sensitivity to singly charged scalars decaying into electrons and muons. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 23 2020, vol. 102, no. 7., Registrované v: WOS

2. [1.1] ARBEY, A. - MAHMOUDI, F. - STAL, O. - STEFANIAK, T. Status of the charged Higgs boson in two Higgs doublet models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 182., Registrované v: WOS

3. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. - MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of heavy Higgs bosons decaying invisibly at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS

4. [1.1] BANERJEE, A. - BHATTACHARYYA, G. - KUMAR, N. Impact of Yukawa-like dimension-five operators on the Georgi-Machacek model. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 19 2019, vol. 99, no. 3., Registrované v: WOS

5. [1.1] BELL, N.F. - DOLAN, M.J. - FRIEDRICH, L.S. - RAMSEY-MUSOLF, M.J. - VOLKAS, R.R. Two-step electroweak symmetry-breaking: theory meets experiment. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 11 2020, no. 5., Registrované v: WOS

6. [1.1] BUCKLEY, Matthew R. - FELD, David. Dark matter in leptophilic Higgs models after the LHC run I. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 075024., Registrované v: WOS

7. [1.1] COLEPPA, B. - SARKAR, A. - RAI, S.K. Charged Higgs boson discovery prospects. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 25 2020, vol. 101, no. 5., Registrované v: WOS

8. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS

9. [1.1] DEGRANDE, Celine - HARTLING, Katy - LOGAN, Heather

- E. - PETERSON, Andrea D. - ZARO, Marco. Automatic predictions in the Georgi-Machacek model at next-to-leading order accuracy. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 035004., Registrované v: WOS
10. [1.1] DEGRANDE, Celine - HARTLING, Katy - LOGAN, Heather E. Scalar decays to $\gamma\gamma$, $Z\gamma$, and $W\gamma$ in the Georgi-Machacek model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075013., Registrované v: WOS
11. [1.1] DROR, J.A. - LASENBY, R. - POSPELOV, M. Light vectors coupled to bosonic currents. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 12 2019, vol. 99, no. 5., Registrované v: WOS
12. [1.1] HARRIS, Mary-Jean - LOGAN, Heather E. Constraining the scalar septet model through vector boson scattering. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095003., Registrované v: WOS
13. [1.1] CHABAB, M. - PEYRANERE, M. C. - RAHILI, L. Naturalness in a type II seesaw model and implications for physical scalars. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115021., Registrované v: WOS
14. [1.1] CHAKRABARTY, N. - CHAKRABORTY, I. - GHOSH, D.K. Fingerprinting the contribution of colored scalars to the $H \rightarrow W^+ W^- Z(\gamma)$ vertex. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 5 2020, vol. 80, no. 12., Registrované v: WOS
15. [1.1] LI, T. - SCHMIDT, M.A. Sensitivity of future lepton colliders and low-energy experiments to charged lepton flavor violation from bileptons. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 3 2019, vol. 100, no. 11., Registrované v: WOS
16. [1.1] LOGAN, Heather E. Hiding a Higgs width enhancement from off-shell $gg \rightarrow h^* \rightarrow ZZ$ measurements. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 075038., Registrované v: WOS
17. [1.1] LOGAN, Heather E. - REIMER, Mark B. Characterizing a benchmark scenario for heavy Higgs boson searches in the Georgi-Machacek model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 095029., Registrované v: WOS
18. [1.1] MATSUZAKI, Shinya - YAMAWAKI, Koichi. Walking from 750 GeV to 950 GeV in the technipion zoo. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115027., Registrované v: WOS
19. [1.1] PAPAEFSTATHIOU, Andreas - TETLALMATZI-XOLOCOTZI, Gilberto. Rare top quark decays at a 100 TeV proton-proton collider: $t \rightarrow b W Z$ and $t \rightarrow h c$. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 214., Registrované v: WOS

ADCA768 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCÉI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for a Light Higgs Boson Decaying to Long-Lived Weakly Interacting Particles in Proton-Proton Collisions at $\sqrt{s}=7$ TeV with the ATLAS Detector. In *Physical Review Letters*, 2012, vol. 108, no. 25, art. no. 251801. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.108.251801>

Ohlasy:

1. [1.1] ALPIGIANI, C. Explore the lifetime frontier with MATHUSLA. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, JUN 2020, vol. 15, no. 6., Registrované v: WOS
2. [1.1] BUCHMUELLER, Oliver - DE ROECK, Albert - HAHN, Kristian - MCCULLOUGH, Matthew - SCHWALLER, Pedro - SUNG, Kevin - YU, Tien-Tien. Simplified models for displaced dark matter signatures. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 9, art. no. 076., Registrované v: WOS
3. [1.1] CLARKE, Jackson D. Constraining portals with displaced Higgs decay searches at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 10, art. no. 061., Registrované v: WOS
4. [1.1] CRAIG, Nathaniel - KATZ, Andrey - STRASSLER, Matt - SUNDRUM, Raman. Naturalness in the dark at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 7, art. no. 105., Registrované v: WOS
5. [1.1] DEPPISCH, Frank F. - LIU, Wei - MITRA, Manimala. Long-lived heavy neutrinos from Higgs decays. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 181., Registrované v: WOS
6. [1.1] IZAGUIRRE, Eder - SHUVE, Brian. Multilepton and lepton jet probes of sub-weak-scale right-handed neutrinos. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 9, art. no. 093010., Registrované v: WOS
7. [1.1] LIU, Zhen - TWEEDIE, Brock. The fate of long-lived superparticles with hadronic decays after LHC Run 1. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 042., Registrované v: WOS
8. [1.1] LUJAN, P. - HALYO, V. Massively parallel computing at the Large Hadron Collider up to the HL-LHC. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2015, vol. 10, art. no. C09003., Registrované v: WOS
9. [1.1] WANG, Z.S. - WANG, K.C. Physics with far detectors at future lepton colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 28 2020, vol. 101, no. 7., Registrované v: WOS

ADCA769 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCÉI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for a light charged Higgs boson in the decay channel $H^+ - c(s)\text{over-bar}$ in $t(t)\text{over-bar}$ events using pp collisions at root s=7 TeV with the ATLAS detector. In *European Physical Journal C*, 2013, vol. 73, no. 6, art. no. 2465. (2012: 5.247 - IF, Q1 - JCR, 3.034 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-013-2465-z>

Ohlasy:

1. [1.1] AHMED, Ijaz - HASHEMI, Majid - TAJUDDIN, Wan Ahmad. The s-channel charged Higgs in the fully hadronic final state at LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, pp. 1-10., Registrované v: WOS
2. [1.1] AKEROYD, A. G. - MORETTI, Stefano - YAGYU, Kei - YILDIRIM, Emine. Light charged Higgs boson scenario in 3-Higgs doublet

- models. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 23-24, art. no. 1750145., Registrované v: WOS
3. [1.1] AKEROYD, A. G. - MORETTI, Stefano - SONG, Muyuan. Light charged Higgs boson with dominant decay to quarks and its search at the LHC and future colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115024., Registrované v: WOS
 4. [1.1] AKEROYD, A.G. - MORETTI, S. - SONG, M.Y. Light charged Higgs boson with dominant decay to a charm quark and a bottom quark and its search at LEP2 and future $e^{(+)}e^{(-)}$ colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 18 2020, vol. 101, no. 3., Registrované v: WOS
 5. [1.1] ALCAIDE, J. - MILEO, N.I. LHC sensitivity to singly charged scalars decaying into electrons and muons. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 23 2020, vol. 102, no. 7., Registrované v: WOS
 6. [1.1] ARBEY, A. - MAHMOUDI, F. - STAL, O. - STEFANIAK, T. Status of the charged Higgs boson in two Higgs doublet models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 182., Registrované v: WOS
 7. [1.1] ARCADI, Giorgio. 2HDM portal for singlet-doublet dark matter. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 10, art. no. 864., Registrované v: WOS
 8. [1.1] ARHRIB, Abdesslam - BENBRIK, Rachid - ENBERG, Rikard - KLEMM, William - MORETTI, Stefano - MUNIR, Shoaib. Identifying a light charged Higgs boson at the LHC Run II. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 774, pp. 591-598., Registrované v: WOS
 9. [1.1] ARHRIB, A. - BENBRIK, R. - EL FALAKI, J. - HOLLIK, W. Triple Higgs coupling effect on $h(0) \rightarrow b\bar{b}$ and $h(0) \rightarrow \tau^{(+)}\tau^{(-)}$ in the 2HDM. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 774, pp. 195-204., Registrované v: WOS
 10. [1.1] ARHRIB, A. - BENBRIK, R. - MORETTI, S. Bosonic decays of charged Higgs bosons in a 2HDM type-I. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 621., Registrované v: WOS
 11. [1.1] ARHRIB, A. - BENBRIK, R. - HAROUIZ, H. - MORETTI, S. - WANG, Y. - YAN, Q.S. Implications of a light charged Higgs boson at the LHC run III in the 2HDM. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 30 2020, vol. 102, no. 11., Registrované v: WOS
 12. [1.1] ARHRIB, A. - BENBRIK, R. - HAROUIZ, H. - MORETTI, S. - ROUCHAD, A. A Guidebook to Hunting Charged Higgs Bosons at the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, MAR 10 2020, vol. 8., Registrované v: WOS
 13. [1.1] ARHRIB, A. - CHEUNG, K. - LU, C.T. Same-sign charged Higgs boson pair production in bosonic decay channels at the HL-LHC and HE-LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 25 2020, vol. 102, no. 9., Registrované v: WOS
 14. [1.1] ARROYO-URENA, M.A. - VALENCIA-PEREZ, T.A. - GAITAN, R. - DE OCA, J.H.M. - FERNANDEZ-TELLEZ, A. Flavor-changing decay $h \rightarrow \tau \mu$ at super hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 31 2020, no. 8., Registrované v: WOS
 15. [1.1] BARMAN, B. - BANIK, A.D. - PAUL, A. Singlet-doublet fermionic dark matter and gravitational waves in a two-Higgs-doublet extension

- of the Standard Model. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 24 2020, vol. 101, no. 5., Registrované v: WOS
16. [1.1] BARMAN, Rahool Kumar - BHATTACHERJEE, Biplob - CHAKRABORTY, Amit - CHOUDHURY, Arghya. Study of MSSM heavy Higgs bosons decaying into charginos and neutralinos. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075013., Registrované v: WOS
17. [1.1] BAZURTO, Jannell V. - DEARTH, Stephen P. - TAGUE, Eric D. - CAMPAGNA, Shawn R. - DOWNS, Diana M. Untargeted metabolomics confirms and extends the understanding of the impact of aminoimidazole carboxamide ribotide (AICAR) in the metabolic network of Salmonella enterica. In MICROBIAL CELL. ISSN 2311-2638, 2018, vol. 5, no. 2, pp. 74-87., Registrované v: WOS
18. [1.1] BHATTACHERJEE, Biplob - CHAKRABORTY, Amit - CHOUDHURY, Arghya. Status of the MSSM Higgs sector using global analysis and direct search bounds, and future prospects at the High Luminosity LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 093007., Registrované v: WOS
19. [1.1] CAMARGO-MOLINA, Jose Eliel - MANDAL, Tanumoy - PASECHNIK, Roman - WESSEN, Jonas. Heavy charged scalars from $c\bar{s}$ fusion: a generic search strategy applied to a 3HDM with $U(1) \times U(1)$ family symmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 024., Registrované v: WOS
20. [1.1] COLEPPA, B. - SARKAR, A. - RAI, S.K. Charged Higgs boson discovery prospects. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 25 2020, vol. 101, no. 5., Registrované v: WOS
21. [1.1] CRIVELLIN, Andreas - HEECK, Julian - MULLER, Dario. Large $h \rightarrow b\bar{s}$ in generic two-Higgs-doublet models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 035008., Registrované v: WOS
22. [1.1] DEGRANDE, Celine - FREDERIX, Rikkert - HIRSCHI, Valentin - UBIALI, Maria - WIESEMANN, Marius - ZARO, Marco. Accurate predictions for charged Higgs production: Closing the $m_H \pm$ similar to m_t window. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 772, pp. 87-92., Registrované v: WOS
23. [1.1] DEMIRCI, M. Precise predictions for charged Higgs boson pair production in photon-photon collisions. In NUCLEAR PHYSICS B. ISSN 0550-3213, DEC 2020, vol. 961., Registrované v: WOS
24. [1.1] DEMIRCI, M. Pseudoscalar Higgs boson pair production at a photon-photon collision in the two Higgs doublet model. In TURKISH JOURNAL OF PHYSICS. ISSN 1300-0101, 2019, vol. 43, no. 5, p. 442-458., Registrované v: WOS
25. [1.1] DUBININ, M.N. - FEDOTOVA, E.Y. On the Interpretation of the CMS Excess at an Invariant Mass of the Muon Pair of 28 GeV in the Minimal Supersymmetry. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, DEC 2020, vol. 131, no. 6, p. 917-927., Registrované v: WOS
26. [1.1] FORTES, E. C. F. S. - MACHADO, A. C. B. - MONTANO, J. - PLEITEZ, V. Prediction of $h \rightarrow \gamma Z$ from $h \rightarrow \gamma \gamma$ at the LHC for the IMDS3 model. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 11, art. no. 115001., Registrované v: WOS

27. [1.1] GUCHAIT, Monoranjan - VIJAY, Aravind H. Probing heavy charged Higgs boson at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115028., Registrované v: WOS
28. [1.1] GUTIERREZ-RODRIGUEZ, A. - HERNANDEZ-RUIZ, M. A. Probing the Z' resonance and the Higgs boson production and decay in a $SU(3)_C \times U(1)_N$ model at future e^+e^- colliders. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 9, art. no. 352., Registrované v: WOS
29. [1.1] HANSON, E. - KLEMM, W. - NARANJO, R. - PETERS, Y. - PILAFTSIS, A. Charged Higgs bosons in naturally aligned two-Higgs-doublet models at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 27 2019, vol. 100, no. 3., Registrované v: WOS
30. [1.1] CHECCHIA, Paolo. Implications of a 125 GeV Higgs boson. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 7, art. no. 1530003., Registrované v: WOS
31. [1.1] ILISIE, Victor. Bounds on neutral and charged Higgs from the LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 678-683., Registrované v: WOS
32. [1.1] KANEMURA, Shinya - KIKUCHI, Mariko - YAGYU, Kei. Fingerprinting the extended Higgs sector using one-loop corrected Higgs boson couplings and future precision measurements. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 896, pp. 80-137., Registrované v: WOS
33. [1.1] KIM, Doojin - PARK, Myeonghun. Enhancement of new physics signal sensitivity with mistagged charm quarks. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 758, pp. 190-194., Registrované v: WOS
34. [1.1] KLING, F. - SU, S.F. - SU, W. 2HDM neutral scalars under the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 26 2020, no. 6., Registrované v: WOS
35. [1.1] LEBIEDOWICZ, Piotr - SZCZUREK, Antoni. Exclusive production of heavy charged Higgs boson pairs in the $pp \rightarrow ppH^{(\pm)}H^{(\mp)}$ reaction at the LHC and a future circular collider. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 095008., Registrované v: WOS
36. [1.1] LIEBLER, Stefan. Neutral Higgs production at proton colliders in the CP-conserving NMSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 210., Registrované v: WOS
37. [1.1] MAJI, P. - BISWAS, S. - NAYEK, P. - SAHOO, S. Charged Higgs contribution on $B_c \rightarrow (D_s, D_s^*)l^{(\pm)}l^{(\mp)}$. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, MAY 2020, vol. 2020, no. 5., Registrované v: WOS
38. [1.1] MOYOTL, A. - TAVARES-VELASCO, G. - TOSCANO, J. J. CP-odd contributions to the $ZZ^*\gamma$, $ZZ\gamma^*$, and ZZZ^* vertices induced by nondiagonal charged scalar boson couplings. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 093005., Registrované v: WOS
39. [1.1] NEJAD, S.M.M. - ABBASPOUR, S. - FARASHAHIAN, R. Interference effects for the top quark decays $t \rightarrow b+W/H \rightarrow \tau+\nu(\tau)$. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 16 2019, vol. 99, no. 9., Registrované v: WOS
40. [1.1] PRIMULANDO, R. - JULIO, J. - UTTAYARAT, P. Scalar phenomenology in type-II seesaw model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 6 2019, no. 8., Registrované v: WOS

41. [1.1] ROMADHON, P.Z. - SUTJAHJO, A. - NOVIDA, H. - SOELISTIJO, S.A. - WIBISONO, S. - PRAJITNO, J.H. - TJOKROPRAWIRO, A. HBA1C AND PLASMA TRANSFORMING GROWTH FACTOR-BETA 1 IN TYPE-2 DIABETES MELLITUS PATIENTS. In NEW ARMENIAN MEDICAL JOURNAL. ISSN 1829-0825, 2019, vol. 13, no. 1, p. 69-73., Registrované v: WOS
42. [1.1] SETO, Osamu. Large invisible decay of a Higgs boson to neutrinos. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 073005., Registrované v: WOS
43. [1.1] SONG, J. - YOON, Y.W. W gamma decay of the elusive charged Higgs boson in the two-Higgs-doublet model with vectorlike fermions. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 6 2019, vol. 100, no. 5., Registrované v: WOS

ADCA770 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for a multi-Higgs-boson cascade in $W^{(+)}W^{(-)}b\bar{b}$ events with the ATLAS detector in pp collisions at $\sqrt{s}=8$ TeV. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2014, vol. 89, no. 3, art. no. 032002. (2013: 4.864 - IF, Q1 - JCR, 2.482 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Ohlasy:

1. [1.1] CHABAB, M. - PEYRANERE, M. C. - RAHILI, L. Naturalness in a type II seesaw model and implications for physical scalars. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115021., Registrované v: WOS
2. [1.1] CHECCHIA, Paolo. Implications of a 125 GeV Higgs boson. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 7, art. no. 1530003., Registrované v: WOS
3. [1.1] KUANG, Yu-Ping - REN, Hong-Yu - XIA, Ling-Hao. Further investigation of the-model-independent probe of heavy neutral Higgs bosons at LHC Run 2. In CHINESE PHYSICS C. ISSN 1674-1137, 2016, vol. 40, no. 2, art. no. 023101., Registrované v: WOS
4. [1.1] KUANG, Yu-Ping - XIA, Ling-Hao. Probing gauge-phobic heavy Higgs bosons at high energy hadron colliders. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 193-199., Registrované v: WOS

ADCA771 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb^{-1} of pp collisions $\sqrt{s}=13$ TeV with the ATLAS experiment. In *European Physical Journal C*, 2018, vol. 78, no. 5, art. no. 401. (2017: 5.172 - IF, Q1 - JCR, 2.022 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-018-5877-y>

Ohlasy:

1. [1.1] ABE, T. - CHIGUSA, S. - EMA, Y. - MOROI, T. Indirect studies of electroweakly interacting particles at 100 TeV hadron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 16 2019, vol. 100, no. 5., Registrované v: WOS
2. [1.1] AYAZI, S.Y. - MEHDIABADI, S.P. The s-Channel Single Top

Quark Production as a Constraint for W' Boson Contribution. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, JUN 2019, vol. 128, no. 6, p. 865-870., Registrované v: WOS

3. [1.1] BANDYOPADHYAY, T. - DAS, D. - PASECHNIK, R. - RATHSMAN, J. Complementary bound on the W' mass from Higgs boson to diphoton decay. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 14 2019, vol. 99, no. 11., Registrované v: WOS

4. [1.1] BETANCUR, A. - DEBNATH, D. - GAINER, J.S. - MATCHEV, K.T. - SHYAMSUNDAR, P. Measuring the mass, width, and couplings of semi-invisible resonances with the matrix element method. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 11 2019, vol. 99, no. 11., Registrované v: WOS

5. [1.1] BORGHAIN, H. - DAS, M.K. - BORAH, D. Phenomenological study of texture zeros in lepton mass matrices of minimal left-right symmetric model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 14 2019, no. 6., Registrované v: WOS

6. [1.1] FALKOWSKI, A. - GONZALEZ-ALONSO, M. - TABRIZI, Z. Reactor neutrino oscillations as constraints on effective field theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 27 2019, no. 5., Registrované v: WOS

7. [1.1] MATSUMOTO, S. - SHIRAI, S. - TAKEUCHI, M. Indirect probe of electroweak-interacting particles with mono-lepton signatures at hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 13 2019, no. 3., Registrované v: WOS

8. [1.1] OKADA, N. - RAUT, D. - VILLALBA, D. Domain-Wall Standard Model in non-compact 5D and LHC phenomenology. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, MAR 28 2019, vol. 34, no. 10., Registrované v: WOS

9. [1.1] SERENKOVA, I.A. - OSLAND, P. - PANKOV, A.A. Improved bounds on W - W' mixing with ATLAS resonant WZ production data at the LHC at $\sqrt{s}=13$ TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 8 2019, vol. 100, no. 1., Registrované v: WOS

ADCA772 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for a new resonance decaying to a W or Z boson and a Higgs boson in the $ll/\nu\nu$ plus $b(b)$ over-bar final states with the ATLAS detector. In *European Physical Journal C*, 2015, vol. 75, no. 6, art. no. 263. (2014: 5.084 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-015-3474-x>

Ohlasy:

1. [1.1] ALLANACH, B. C. - DEV, P. S. Bhupal - SAKURAI, Kazuki. ATLAS diboson excess could be an R-parity violating dismuon excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 035010., Registrované v: WOS

2. [1.1] BELYAEV, A. - COUPE, A. - FRANDSEN, M. - OLAIYA, E. - SHEPHERD-THEMISTOCLEOUS, C. Walking technicolor in light of Z' searches at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 8 2019, vol. 99, no. 5., Registrované v: WOS

3. [1.1] BHATTACHERJEE, Biplob - BYAKTI, Pritibhajan - KHOSA, Charanjit K. - LAHIRI, Jayita - MENDIRATTA, Gaurav. Alternative search strategies for a BSM resonance fitting the ATLAS diboson excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075015., Registrované v: WOS
4. [1.1] CACCIAPAGLIA, Giacomo - DEANDREA, Aldo - HASHIMOTO, Michio. Scalar Hint from the Diboson Excess? In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 17, art. no. 171802., Registrované v: WOS
5. [1.1] DEPPISCH, Frank F. - GRAF, Lukas - KULKARNI, Suchita - PATRA, Sudhanwa - RODEJOHANN, Werner - SAHU, Narendra - SARKAR, Utpal. Reconciling the 2 TeV excesses at the LHC in a linear seesaw left-right model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 013011., Registrované v: WOS
6. [1.1] DOBRESCU, Bogdan A. - FOX, Patrick J. - KEARNEY, John. Higgs-photon resonances. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 10, art. no. 704., Registrované v: WOS
7. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS
8. [1.1] FODOR, Zoltan - HOLLAND, Kieran - KUTI, Julius - MONDAL, Santanu - NOGRADI, Daniel - WONG, Chik Him. Electroweak interactions and dark baryons in the sextet BSM model with a composite Higgs particle. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 014503., Registrované v: WOS
9. [1.1] FUKANO, Hidenori S. - MATSUZAKI, Shinya - YAMAWAKI, Koichi. Conformal barrier for new vector bosons decay to the Higgs. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 9, art. no. 1630009., Registrované v: WOS
10. [1.1] KNAPEN, Simon - MELIA, Tom - PAPUCCI, Michele - ZUREK, Kathryn M. Rays of light from the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075020., Registrované v: WOS
11. [1.1] LANE, Kenneth - PRITCHETT, Lukas. Heavy vector partners of the light composite Higgs. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 753, pp. 211-214., Registrované v: WOS
12. [1.1] LOW, Matthew - TESI, Andrea - WANG, Lian-Tao. Composite spin-1 resonances at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 8, art. no. 085019., Registrované v: WOS
13. [1.1] THAMM, Andrea - TORRE, Riccardo - WULZER, Andrea. Composite Heavy Vector Triplet in the ATLAS Diboson Excess. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 22, art. no. 221802., Registrované v: WOS

ADCA773 AABOUD, M. - AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - BRUNCKO, Dušan - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for a right-handed gauge boson decaying into a high-momentum heavy neutrino and a charged lepton in pp collisions with the ATLAS detector at root s=13 TeV. In *Physics Letters B*, 2019, vol. 798, art. no. 134942. (2018: 4.162 - IF, Q2 - JCR, 1.806 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS,

SCOPUS). ISSN 0370-2693. Dostupné na:
<https://doi.org/10.1016/j.physletb.2019.134942>

Ohlasy:

1. [1.1] SENJANOVIC, G. - TELLO, V. Disentangling the seesaw mechanism in the minimal left-right symmetric model. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 18 2019, vol. 100, no. 11., Registrované v: WOS

ADCA774 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at root s=13 TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2017, no. 12, art. no. 085. (2016: 6.063 - IF, Q1 - JCR, 1.163 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP12\(2017\)085](https://doi.org/10.1007/JHEP12(2017)085)

Ohlasy:

1. [1.1] BAGNASCHI, E. - BAHL, H. - FUCHS, E. - HAHN, T. - HEINEMEYER, S. - LIEBLER, S. - PATEL, S. - SLAVICH, P. - STEFANIAK, T. - WAGNER, C.E.M. - WEIGLEIN, G. MSSM Higgs boson searches at the LHC: benchmark scenarios for Run 2 and beyond. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 20 2019, vol. 79, no. 7., Registrované v: WOS
2. [1.1] COLUCCI, Stefano - FUKS, Benjamin - GIACCHINO, Federica - HONOREZ, Laura Lopez - TYTGAT, Michel H. G. - VANDECASTEELE, Jerome. Top-philic vectorlike portal to scalar dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035002., Registrované v: WOS
3. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
4. [1.1] DAS, S.P. - FRAGA, J.F. - AVILA, C. Production of a light top-squark pair in association with a light non-SM Higgs boson within the NMSSM from proton-proton collisions at root s=13 TeV and 33 TeV. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, AUG 10 2019, vol. 34, no. 22., Registrované v: WOS
5. [1.1] GARNY, Mathias - HEISIG, Jan - HUFNAGEL, Marco - LUELF, Benedikt. Top-philic dark matter within and beyond the WIMP paradigm. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075002., Registrované v: WOS
6. [1.1] GHOSH, D.K. - HUITU, K. - MONDAL, S. - MITRA, M. Same-sign trilepton signal for stop quark in the presence of sneutrino dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, APR 15 2019, vol. 99, no. 7., Registrované v: WOS
7. [1.1] HAN, T. - ISMAIL, A. - HAGHI, B.S.E. SUSY signals from QCD production at the upgraded LHC. In PHYSICS LETTERS B. ISSN 0370-2693, JUN 10 2019, vol. 793, p. 354-359., Registrované v: WOS
8. [1.1] CHATTERJEE, S. - DAS, A. - SAMUI, T. - SEN, M. Mixed WIMP-axion dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 31 2019, vol. 100, no. 11., Registrované v: WOS
9. [1.1] SMARANDA, D.D. - MILLER, D.J. Scherk-Schwarz orbifolds

at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS

ADCA775 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Search for a Standard Model Higgs Boson in WH - l ν bb in pp Collisions at s=1.96 TeV. In *Physical Review Letters*, 2009, vol. 103, no. 10, art. no. 101802. (2008: 7.180 - IF, Q1 - JCR, 6.194 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.103.101802>

Ohlasy:

1. [1.1] BRANDT, O. - GUTIERREZ, G. - WANG, M. H. L. S. - YE, Z. Acceleration of matrix element computations for precision measurements. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2015, vol. 775, pp. 27-33., Registrované v: WOS

ADCA776 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for a Standard Model Higgs boson in the mass range 200-600 GeV in the H - ZZ - l(+)l(-)q(q)over-bar decay channel with the ATLAS detector. In *Physics Letters B*, 2012, vol. 717, no. 1-3, p. 70-88. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] BUTTAZZO, Dario - SALA, Filippo - TESI, Andrea. Singlet-like Higgs bosons at present and future colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 11, art. no. 158., Registrované v: WOS

2. [1.1] KAUER, Nikolas - O'BRIEN, Claire. Heavy Higgs signal-background interference in gg> VV in the Standard Model plus real singlet. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 8, art. no. 374., Registrované v: WOS

ADCA777 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for a standard model Higgs boson in the H - ZZ - l(+)l(-) nu(nu)over-bar decay channel using 4.7 fb(-1) of root s=7 TeV data with the ATLAS detector. In *Physics Letters B*, 2012, vol. 717, no. 1-3, p. 29-48. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] BUTTAZZO, Dario - SALA, Filippo - TESI, Andrea. Singlet-like Higgs bosons at present and future colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 11, art. no. 158., Registrované v: WOS

ADCA778 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for a Standard Model Higgs Boson in the H - ZZ - l(+)l(-)v(v)over-bar Decay Channel with the

ATLAS Detector. In *Physical Review Letters*, 2011, vol. 107, no. 22, art. no. 221802. (2010: 7.622 - IF, Q1 - JCR, 6.450 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

1. [1.1] DUPUIS, Grace. Collider constraints and prospects of a scalar singlet extension to Higgs portal dark matter. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2016, no. 7, art. no. 008., Registrované v: WOS

ADCA779 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for a Structure in the B-s(0) $\pi^+(\pi^-)$ Invariant Mass Spectrum with the ATLAS Experiment. In *Physical Review Letters*, 2018, vol. 120, no. 20, art. no. 202007. (2017: 8.839 - IF, Q1 - JCR, 3.622 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.120.202007>

Ohlasy:

1. [1.1] BRAMBILLA, N. - EIDELMAN, S. - HANHART, C. - NEFEDIEV, A. - SHEN, C.P. - THOMAS, C.E. - VAIRO, A. - YUAN, C.Z. The XYZ states: Experimental and theoretical status and perspectives. In *PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS*. ISSN 0370-1573, AUG 20 2020, vol. 873, p. 1-154., Registrované v: WOS
2. [1.1] GUO, F.K. - LIU, X.H. - SAKAI, S. Threshold cusps and triangle singularities in hadronic reactions. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, MAY 2020, vol. 112., Registrované v: WOS
3. [1.1] HOU, G.W.S. Perspectives and outlook from HEP window on the universe. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, JAN 20 2019, vol. 34, no. 2., Registrované v: WOS
4. [1.1] HUANG, H.X. - PING, J.L. Investigating tetraquarks composed of $u\bar{s}(d\bar{b})$ and $u\bar{d}(s\bar{b})$. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, JUL 2 2019, vol. 79, no. 7., Registrované v: WOS
5. [1.1] HUDSPITH, R.J. - COLQUHOUN, B. - FRANCIS, A. - LEWIS, R. - MALTMAN, K. Lattice investigation of exotic tetraquark channels. In *PHYSICAL REVIEW D*. ISSN 2470-0010, DEC 8 2020, vol. 102, no. 11., Registrované v: WOS
6. [1.1] HUE, L. T. - ARBUZOV, A. B. - HONG, T. T. - NGUYEN, T. Phong - SI, D. T. - LONG, H. N. General one-loop formulas for decay $h \rightarrow Z \gamma$. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2018, vol. 78, no. 11, art. no. 885., Registrované v: WOS
7. [1.1] LI, G. - WANG, X.F. - XING, Y. $SU(3)$ analysis of weak decays of doubly-heavy tetraquarks $b(c)\bar{q}(q)\bar{q}$. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, MAR 8 2019, vol. 79, no. 3., Registrované v: WOS
8. [1.1] LUCHA, Wolfgang - MELIKHOV, Dmitri - SAZDJIAN, Hagop. Are there narrow flavor-exotic tetraquarks in large- N_c QCD? In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 094011., Registrované v: WOS
9. [1.1] LU, Q.F. - CHEN, D.Y. - DONG, Y.B. Open charm and bottom tetraquarks in an extended relativized quark model. In *PHYSICAL REVIEW D*.

- ISSN 2470-0010, OCT 26 2020, vol. 102, no. 7., Registrované v: WOS
10. [1.1] MUTUK, H. Mass spectrum of exotic X(5568) state via artificial neural network. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, OCT 10 2019, vol. 34, no. 28., Registrované v: WOS
11. [1.1] POPOV, A. The New Results from Multi-quark Exotic States Searches at D0 Experiment. In 4TH INTERNATIONAL CONFERENCE ON PARTICLE PHYSICS AND ASTROPHYSICS (ICPPA-2018). ISSN 1742-6588, 2019, vol. 1390., Registrované v: WOS
12. [1.1] SUNGU, J.Y. - TURKAN, A. - VELIEV, E.V. IN THE PURSUIT OF X(5568) AND ITS CHARMED PARTNER. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, SEP 2019, vol. 50, no. 9, p. 1501-1521., Registrované v: WOS
13. [1.1] XING, Y. - YU, F.S. - ZHU, R.L. Weak decays of stable open-bottom tetraquark by SU(3) symmetry analysis. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, APR 30 2019, vol. 79, no. 5., Registrované v: WOS

ADCA780 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for a Supersymmetric Partner to the Top Quark in Final States with Jets and Missing Transverse Momentum at root s=7 TeV with the ATLAS Detector. In *Physical Review Letters*, 2012, vol. 109, no. 21, art. no. 211802. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

1. [1.1] ALVARADO, C. - DELGADO, A. - MARTIN, A. - OSTDIEK, B. Dirac triplet extension of the MSSM. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 035009., Registrované v: WOS
2. [1.1] BARTL, A. - EBERL, H. - GININA, E. - HIDAKA, K. - MAJEROTTO, W. $h(0) > c(c)$ as a test case for quark flavor violation in the MSSM. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 015007., Registrované v: WOS
3. [1.1] BELYAEV, Alexander - SANZ, Veronica - THOMAS, Marc. Towards model-independent exclusion of light Stops. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 1, art. no. 102., Registrované v: WOS
4. [1.1] COSTANTINI, Antonio. Strong Sector in non-minimal SUSY model. In QCD@WORK 2016 INTERNATIONAL WORKSHOP ON QUANTUM CHROMODYNAMICS THEORY AND EXPERIMENT. ISSN 2100-014X, 2016, vol. 129, art. no. UNSP 00010., Registrované v: WOS
5. [1.1] NACHMAN, Benjamin. For a light stop, less is more when gluinos mediate. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 9, art. no. 1650052., Registrované v: WOS
6. [1.1] Ruling Out Light Stops. In BEYOND STANDARD MODEL COLLIDER PHENOMENOLOGY OF HIGGS PHYSICS AND SUPERSYMMETRY. ISSN 2190-5053, 2016, pp. 75-94., Registrované v: WOS
7. [1.1] SCHLAFFER, M. - SPANNOVSKY, M. - WEILER, A. Searching for supersymmetry scalelessly. In EUROPEAN PHYSICAL

ADCA781 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb⁻¹ of pp collisions at root s=13 TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2018, no. 1, art. no. 055. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP01\(2018\)055](https://doi.org/10.1007/JHEP01(2018)055)

Ohlasy:

1. [1.1] ABOUBRAHIM, Amin - NATH, Pran. Naturalness, the hyperbolic branch, and prospects for the observation of charged Higgs bosons at high luminosity LHC and 27 TeV LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095024., Registrované v: WOS
2. [1.1] ABOUBRAHIM, A. - NATH, P. Mixed hidden sector-visible sector dark matter and observation of a CP odd Higgs boson at HL-LHC and HE-LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, JUL 29 2019, vol. 100, no. 1., Registrované v: WOS
3. [1.1] ALTMANNSHOFER, Wolfgang - MADDOCK, Brian. Flavorful two-Higgs-doublet models with a twist. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075005., Registrované v: WOS
4. [1.1] ARCADI, Giorgio. 2HDM portal for singlet-doublet dark matter. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2018, vol. 78, no. 10, art. no. 864., Registrované v: WOS
5. [1.1] ARCADI, G. - DJOUADI, A. - RAIDAL, M. Dark Matter through the Higgs portal. In *PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS*. ISSN 0370-1573, FEB 3 2020, vol. 842, p. 1-180., Registrované v: WOS
6. [1.1] ARHRIB, Abdesslam - BENBRIK, Rachid - MORETTI, Stefano - SANTOS, Rui - SHARMA, Pankaj. Signal to background interference in pp> tH(-)> tW()b(b)over-bar at the LHC Run II. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075037., Registrované v: WOS
7. [1.1] AYDEMIR, U. - MANDAL, T. - MITRA, S. Addressing the R-D(*) anomalies with an S-1 leptoquark from SO(10) grand unification. In *PHYSICAL REVIEW D*. ISSN 2470-0010, JAN 22 2020, vol. 101, no. 1., Registrované v: WOS
8. [1.1] BADZIAK, M. - DESAI, N. - HUGONIE, C. - ZIEGLER, R. Extended gauge mediation in the NMSSM with displaced LHC signals. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, JAN 28 2019, vol. 79, no. 1., Registrované v: WOS
9. [1.1] BAGNASCHI, E. - BAHL, H. - FUCHS, E. - HAHN, T. - HEINEMEYER, S. - LIEBLER, S. - PATEL, S. - SLAVICH, P. - STEFANIAK, T. - WAGNER, C.E.M. - WEIGLEIN, G. MSSM Higgs boson searches at the LHC: benchmark scenarios for Run 2 and beyond. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, JUL 20 2019, vol. 79, no. 7., Registrované v: WOS
10. [1.1] BAHL, H. - LIEBLER, S. - STEFANIAK, T. MSSM Higgs benchmark scenarios for Run 2 and beyond: the low tan region. In *EUROPEAN*

PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3.,
Registrované v: WOS

11. [1.1] BAKER, M.J. - FUENTES-MARTIN, J. - ISIDORI, G. -
KONIG, M. High-p(T) signatures in vector-leptoquark models. In EUROPEAN
PHYSICAL JOURNAL C. ISSN 1434-6044, APR 13 2019, vol. 79, no. 4.,
Registrované v: WOS

12. [1.1] BASLER, P. - DAWSON, S. - ENGLERT, C. -
MUHLLEITNER, M. Showcasing HH production: Benchmarks for the LHC and
HL-LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 29 2019, vol. 99,
no. 5., Registrované v: WOS

13. [1.1] BECIREVIC, Damir - DORSNER, Ilja - FAJFER, Svjetlana -
FAROUGHY, Darius A. - KOSNIK, Nejc - SUMENSARI, Olcyr. Scalar
leptoquarks from grand unified theories to accommodate the B-physics
anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5,
art. no. 055003., Registrované v: WOS

14. [1.1] BLANKE, Monika - CRIVELLIN, Andreas. B Meson
Anomalies in a Pati-Salam Model within the Randall-Sundrum Background. In
PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 1, art.
no. 011801., Registrované v: WOS

15. [1.1] BOTELLA, F.J. - CORNET-GOMEZ, F. - NEBOT, M. Electron
and muon g-2 anomalies in general flavor conserving two-Higgs-doublet models.
In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 24 2020, vol. 102, no. 3.,
Registrované v: WOS

16. [1.1] CARENA, Marcela - OSBORNE, James - SHAH, Nausheen R.
- WAGNER, Carlos E. M. Supersymmetry and LHC missing energy signals. In
PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no.
115010., Registrované v: WOS

17. [1.1] COX, Peter - HAN, Chengcheng - YANAGIDA, Tsutomu T.
Muon g-2 and dark matter in the minimal supersymmetric standard model. In
PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 055015.,
Registrované v: WOS

18. [1.1] COYLE, N.M. - WAGNER, C.E.M. Dynamical Higgs field
alignment in the NMSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR
30 2020, vol. 101, no. 5., Registrované v: WOS

19. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. -
WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS.
ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS

20. [1.1] DAS, Biswaranjan - MORETTI, Stefano - MUNIR, Shoaib -
POULOSE, Poulouse. Quantum interference among heavy NMSSM Higgs
bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art.
no. 055020., Registrované v: WOS

21. [1.1] ENGLERT, C. - MILLER, D.J. - SMARANDA, D.D.
Phenomenology of GUT-inspired gauge-Higgs unification. In PHYSICS
LETTERS B. ISSN 0370-2693, MAR 10 2020, vol. 802., Registrované v: WOS

22. [1.1] FERREIRA, Pedro M. - LIEBLER, Stefan - WITTBRODT,
Jonas. $pp \rightarrow A \rightarrow Zh$ and the wrong-sign limit of the two-Higgs-doublet model. In
PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055008.,
Registrované v: WOS

23. [1.1] FRANK, M. Evading Z' boson mass limits in $U(1)'$
supersymmetric models. In EUROPEAN PHYSICAL JOURNAL-SPECIAL

TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 21, SI, p. 3205-3220.,
Registrované v: WOS

24. [1.1] FRANK, M. - HUITU, K. - MONDAL, S. Dark matter and
collider signals in supersymmetric $U(1)'$ models with nonuniversal Z' couplings.
In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 9 2019, vol. 100, no. 11.,
Registrované v: WOS

25. [1.1] HERNANDEZ, A.E.C. - PEREZ-JULVE, N.A. -
VELASQUEZ, Y.H. Fermion masses and mixings and some phenomenological
aspects of a 3-3-1 model with linear seesaw mechanism. In PHYSICAL
REVIEW D. ISSN 2470-0010, NOV 26 2019, vol. 100, no. 9., Registrované v:
WOS

26. [1.1] HERNANDEZ-JUAREZ, A. I. - TAVARES-VELASCO, G. -
MOYOTL, A. Chromomagnetic and chromoelectric dipole moments of the top
quark in the fourth-generation THDM. In PHYSICAL REVIEW D. ISSN
2470-0010, 2018, vol. 98, no. 3, art. no. 035040., Registrované v: WOS

27. [1.1] HONG, T.T. - HUNG, H.T. - PHUONG, H.H. - PHUONG,
L.T.T. - HUE, L.T. Lepton-flavor-violating decays of the SM-like Higgs boson h
 $\rightarrow e(i)e(j)$, and $e(i) \rightarrow e(j)\gamma$ in a flipped 3-3-1 model. In PROGRESS OF
THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, APR
2020, vol. 2020, no. 4., Registrované v: WOS

28. [1.1] HOOK, Anson - MCGEHEE, Robert - MURAYAMA, Hitoshi.
Cosmologically viable low-energy supersymmetry breaking. In PHYSICAL
REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115036.,
Registrované v: WOS

29. [1.1] HOU, W.S. - KUMAR, G. Coming decade of $h \rightarrow \tau \mu$ and
 $\tau \rightarrow \mu \gamma$ interplay in tau flavor violation search. In PHYSICAL
REVIEW D. ISSN 2470-0010, MAY 14 2020, vol. 101, no. 9., Registrované v:
WOS

30. [1.1] HUANG, P.S. - NG, Y.H. Di-Higgs production in SUSY models
at the LHC. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444,
AUG 17 2020, vol. 135, no. 8., Registrované v: WOS

31. [1.1] HUNG, H.T. - HONG, T.T. - PHUONG, H.H. - MAI, H.L.T. -
HUE, L.T. Neutral Higgs boson decays $H \rightarrow Z \gamma \gamma$ in 3-3-1
models. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100,
no. 7., Registrované v: WOS

32. [1.1] CHAKRABORTI, M. - HEINEMEYER, S. - SAHA, I.
Improved $(g-2)_{\mu}$ measurements and supersymmetry. In EUROPEAN
PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 23 2020, vol. 80, no. 10.,
Registrované v: WOS

33. [1.1] CHIANG, Cheng-Wei - TAKEUCHI, Michihisa - TSENG,
Po-Yan - YANAGIDA, Tsutomu T. Muon $g-2$ and rare top decays in up-type
specific variant axion models. In PHYSICAL REVIEW D. ISSN 2470-0010,
2018, vol. 98, no. 9, art. no. 095020., Registrované v: WOS

34. [1.1] JANGID, S. - BANDYOPADHYAY, P. Distinguishing inert
Higgs doublet and inert triplet scenarios. In EUROPEAN PHYSICAL
JOURNAL C. ISSN 1434-6044, AUG 8 2020, vol. 80, no. 8., Registrované v:
WOS

35. [1.1] KANEMURA, S. - KIKUCHI, M. - MAWATARI, K. -
SAKURAI, K. - YAGYU, K. Full next-to-leading-order calculations of Higgs
boson decay rates in models with non-minimal scalar sectors. In NUCLEAR

- PHYSICS B. ISSN 0550-3213, DEC 2019, vol. 949., Registrované v: WOS
 36. [1.1] KANG, Sin Kyu - QIAN, Zhuoni - SONG, Jeonghyeon - YOON, Yeo Woong. Confronting the fourth generation two-Higgs-doublet model with the phenomenology of heavy Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095025., Registrované v: WOS
 37. [1.1] KAR, A. - MITRA, S. - MUKHOPADHYAYA, B. - CHOUDHURY, T.R. Can Square Kilometre Array phase 1 go much beyond the LHC in supersymmetry search?. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 29 2019, vol. 99, no. 2., Registrované v: WOS
 38. [1.1] KAR, A. - MITRA, S. - MUKHOPADHYAYA, B. - CHOUDHURY, T.R. Heavy dark matter particle annihilation in dwarf spheroidal galaxies: Radio signals at the SKA telescope. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 27 2020, vol. 101, no. 2., Registrované v: WOS
 39. [1.1] LANE, K. - SHEPHERD, W. Natural stabilization of the Higgs boson's mass and alignment. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 12 2019, vol. 99, no. 5., Registrované v: WOS
 40. [1.1] LI, T. Heavy Higgs bosons at the LHC upgrade. In CHINESE PHYSICS C. ISSN 1674-1137, SEP 2020, vol. 44, no. 9., Registrované v: WOS
 41. [1.1] LONG, H.N. - HOP, N.V. - HUE, L.T. - THAO, N.H. - HERNANDEZ, A.E.C. Some phenomenological aspects of the 3-3-1 model with the Carcamo-Kovalenko-Schmidt mechanism. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 8 2019, vol. 100, no. 1., Registrované v: WOS
 42. [1.1] MAJI, P. - MAHATA, S. - NAYEK, P. - BISWAS, S. - SAHOO, S. Investigation of rare semileptonic $B_c \rightarrow (D, s, d)(\ell^+ \ell^-) \mu^+ \mu^-$ decays with non-universal Z' effect. In CHINESE PHYSICS C. ISSN 1674-1137, JUL 2020, vol. 44, no. 7., Registrované v: WOS
 43. [1.1] MANDAL, T. - MITRA, S. - RAZ, S. R-D(*) motivated S-1 leptoquark scenarios: Impact of interference on the exclusion limits from LHC data. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 21 2019, vol. 99, no. 5., Registrované v: WOS
 44. [1.1] MORETTI, S. - SHEPHERD-THEMISTOCLEOUS, C.H. - WALTARI, H. Lepton number violation in heavy Higgs boson decays to sneutrinos. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 28 2020, vol. 101, no. 1., Registrované v: WOS
 45. [1.1] NAYEK, P. - BISWAS, S. - MAJI, P. - SAHOO, S. Imprints of New Physics in Baryonic Decay $\Xi \Xi(b) \rightarrow \Xi \Xi l^+ l^-$ in Non-universal Z' Model. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, SEP 2020, vol. 59, no. 9, p. 2712-2740., Registrované v: WOS
 46. [1.1] OKADA, N. - SETO, O. Inelastic extra U(1) charged scalar dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 24 2020, vol. 101, no. 2., Registrované v: WOS
 47. [1.1] OLGUIN-TREJO, Y. - PEREZ-FIGUEROA, O. - PEREZ-MARTINEZ, R. - RAMOS-SANCHEZ, S. U(1)' coupling constant at low energies from heterotic orbifolds. In PHYSICS LETTERS B. ISSN 0370-2693, AUG 10 2019, vol. 795, p. 673-681., Registrované v: WOS
 48. [1.1] RUETER, T.D. - RIZZO, T.G. Towards a UV model of kinetic mixing and portal matter. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 24 2020, vol. 101, no. 1., Registrované v: WOS
 49. [1.1] SANCHEZ-VELEZ, R. - TAVARES-VELASCO, G. Decay $\phi \rightarrow Z \gamma \gamma$ ($\phi = h, H, A$) in the minimal supersymmetric standard

model. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 19 2019, vol. 99, no. 5., Registrované v: WOS

50. [1.1] SMARANDA, D.D. - MILLER, D.J. Scherk-Schwarz orbifolds at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS

51. [1.1] STEGGEMANN, J. Extended Scalar Sectors. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 197-223., Registrované v: WOS

52. [1.1] YANASE, K. - YOSHINAGA, N. - HIGASHIYAMA, K. - YAMANAKA, N. Electric dipole moment of Hg-199 atom from P, CP-odd electron-nucleon interaction. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 16 2019, vol. 99, no. 7., Registrované v: WOS

ADCA782 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for an additional, heavy Higgs boson in the $H \rightarrow ZZ$ decay channel at $\sqrt{s}=8$ TeV in pp collision data with the ATLAS detector. In *European Physical Journal C*, 2016, vol. 76, no. 1, art. no. 45. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-015-3820-z>

Ohlasy:

1. [1.1] ABDUSSALAM, S. - CABRERA, M.E. Revealing mass-degenerate states in Higgs boson signals. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 2019, vol. 79, no. 12., Registrované v: WOS

2. [1.1] ABDUSSALAM, S.S. Testing Higgs boson scenarios in the phenomenological NMSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 25 2019, vol. 79, no. 5., Registrované v: WOS

3. [1.1] ABU-AJAMIEH, Fayez - HOUTZ, Rachel - ZHENG, Rui. Phenomenology of bulk scalar singlets in the Randall-Sundrum model. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 18, art. no. 1750113., Registrované v: WOS

4. [1.1] AHRICHE, Amine - FAISEL, Gaber - NASRI, Salah - TANDEAN, Jusak. Exploring high-mass diphoton resonance without new colored states. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 916, pp. 64-93., Registrované v: WOS

5. [1.1] ALMARASHI, M. M. Discovery potential of the NMSSM CP-odd Higgs at the LHC. In RESULTS IN PHYSICS. ISSN 2211-3797, 2018, vol. 10, pp. 799-804., Registrované v: WOS

6. [1.1] ALMARASHI, M. M. The second lightest CP-even Higgs boson signals in the NMSSM at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 10, art. no. 1850071., Registrované v: WOS

7. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. - MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of heavy Higgs bosons decaying invisibly at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS

8. [1.1] ARHRIB, A. - BENBRIK, R. - EL FALAKI, J. - SAMPAIO, M. - SANTOS, R. Pseudoscalar decays to gauge bosons at the LHC and at a future

- 100 TeV collider. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 27 2019, vol. 99, no. 3., Registrované v: WOS
9. [1.1] ARHRIB, A. - BENBRIK, R. - HAROUIZ, H. - MORETTI, S. - ROUCHAD, A. A Guidebook to Hunting Charged Higgs Bosons at the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, MAR 10 2020, vol. 8., Registrované v: WOS
10. [1.1] BAGNASCHI, E. - BAHL, H. - FUCHS, E. - HAHN, T. - HEINEMEYER, S. - LIEBLER, S. - PATEL, S. - SLAVICH, P. - STEFANIAK, T. - WAGNER, C.E.M. - WEIGLEIN, G. MSSM Higgs boson searches at the LHC: benchmark scenarios for Run 2 and beyond. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 20 2019, vol. 79, no. 7., Registrované v: WOS
11. [1.1] BAHL, H. - LIEBLER, S. - STEFANIAK, T. MSSM Higgs benchmark scenarios for Run 2 and beyond: the low tan region. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS
12. [1.1] BANIK, Amit Dutta - SAHA, Abhijit Kumar - SIL, Arunansu. Scalar assisted singlet doublet fermion dark matter model and electroweak vacuum stability. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075013., Registrované v: WOS
13. [1.1] BARMAN, R.K. - BHATTACHERJEE, B. - CHOUDHURY, A. - CHOWDHURY, D. - LAHIRI, J. - RAY, S. Current status of MSSM Higgs sector with LHC 13 TeV data. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, APR 2019, vol. 134, no. 4., Registrované v: WOS
14. [1.1] BAUER, Martin - BUTTER, Anja - GONZALEZ-FRAILE, J. - PLEHN, Tilman - RAUCH, Michael. Learning from a Higgs-like scalar resonance. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055011., Registrované v: WOS
15. [1.1] BAUM, Sebastian - FREESE, Katherine - SHAH, Nausheen R. - SHAKYA, Bibhushan. NMSSM Higgs boson search strategies at the LHC and the mono-Higgs signature in particular. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115036., Registrované v: WOS
16. [1.1] BAUM, S. - SHAH, N.R. - FREESE, K. The NMSSM is within reach of the LHC: mass correlations & decay signatures. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 1 2019, no. 4., Registrované v: WOS
17. [1.1] BIEKOETTER, Anke - HEWETT, JoAnne L. - KIM, Jong Soo - KRAEMER, Michael - RIZZO, Thomas G. - ROLBIECKI, Krzysztof - TATTERSALL, Jamie) - WEBER, Torsten. Complementarity of resonant scalar, vector-like quark and superpartner searches in elucidating new phenomena. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 5, art. no. 1750032., Registrované v: WOS
18. [1.1] BIEKOTTER, T. - CHAKRABORTI, M. - HEINEMEYER, S. A 96 GeV Higgs boson in the N2HDM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 3 2020, vol. 80, no. 1., Registrované v: WOS
19. [1.1] BUTTAZZO, Dario - REDIGOLO, Diego - SALA, Filippo - TESI, Andrea. Fusing vectors into scalars at high energy lepton colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 144., Registrované v: WOS
20. [1.1] DAS, D. Dominant production of heavier Higgs bosons through

- vector boson fusion in the NMSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 24 2019, vol. 99, no. 9., Registrované v: WOS
21. [1.1] DAWSON, S. - LEWIS, I. M. Singlet model interference effects with high scale UV physics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015004., Registrované v: WOS
22. [1.1] DEMIRCI, M. Precise predictions for charged Higgs boson pair production in photon-photon collisions. In NUCLEAR PHYSICS B. ISSN 0550-3213, DEC 2020, vol. 961., Registrované v: WOS
23. [1.1] DEMIRCI, M. Pseudoscalar Higgs boson pair production at a photon-photon collision in the two Higgs doublet model. In TURKISH JOURNAL OF PHYSICS. ISSN 1300-0101, 2019, vol. 43, no. 5, p. 442-458., Registrované v: WOS
24. [1.1] DEV, P. S. Bhupal - MOHAPATRA, Rabindra N. - ZHANG, Yongchao. Probing TeV scale origin of neutrino mass at future lepton colliders via neutral and doubly-charged scalars. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075028., Registrované v: WOS
25. [1.1] DEV, P. S. Bhupal - MOHAPATRA, Rabindra N. - ZHANG, Yongchao. Leptogenesis constraints on B L breaking Higgs boson in TeV scale seesaw models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 122., Registrované v: WOS
26. [1.1] DI CHIARA, Stefano - HEKTOR, Andi - KANNIKE, Kristjan - MARZOLA, Luca - RAIDAL, Martti. Large loop-coupling enhancement of a heavy pseudoscalar from a light dark sector. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 917, pp. 31-43., Registrované v: WOS
27. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS
28. [1.1] GAINER, James S. - GONZALEZ-ALONSO, Martn - GRELJO, Admir - ISAKOVIC, Senad - ISIDORI, Gino - KORYTOV, Andrey - LYKKEN, Joseph - MARZOCCA, David - MATCHEV, Konstantin T. - MILENOVIC, Predrag - MITSELMAKHER, Guenakh - MRENNNA, Stephen - PARK, Myeonghun - RINKEVICIUS, Aurelijus - SELIMOVIC, Nudzeim. Adding pseudo-observables to the four-lepton experimentalist's toolbox. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 073., Registrované v: WOS
29. [1.1] GUTIERREZ-RODRIGUEZ, A. - HERNANDEZ-RUIZ, M. A. Probing the Z' resonance and the Higgs boson production and decay in a $SU(3)_C \times U(1)_Y$ model at future e^+e^- colliders. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 9, art. no. 352., Registrované v: WOS
30. [1.1] HASHEMI, Majid - HAGHIGHAT, Gholamhossein. Capability of future linear colliders to discover heavy neutral CP-even and CP-odd Higgs bosons within type-I 2HDM. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 9, art. no. 095005., Registrované v: WOS
31. [1.1] HASHEMI, Majid. Possibility of observing Higgs bosons at the ILC in the lepton-specific 2HDM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115004., Registrované v: WOS
32. [1.1] HASHEMI, M. - HAGHIGHAT, G. Search for neutral Higgs bosons decaying to $b\bar{b}$ in the flipped 2HDM at future e^+e^- linear

- colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 29 2019, vol. 100, no. 1., Registrované v: WOS
33. [1.1] HASHEMI, M. - HAGHIGHAT, G. Search for neutral Higgs bosons within type-I 2HDM at future linear colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 18 2019, vol. 79, no. 5., Registrované v: WOS
34. [1.1] HASHEMI, M. - HAGHIGHAT, G. Observability of 2HDM neutral Higgs bosons with different masses at future $e^{+}e^{-}$ linear colliders. In NUCLEAR PHYSICS B. ISSN 0550-3213, FEB 2020, vol. 951., Registrované v: WOS
35. [1.1] HERNANDEZ-JUAREZ, A. I. - TAVARES-VELASCO, G. - MOYOTL, A. Chromomagnetic and chromoelectric dipole moments of the top quark in the fourth-generation THDM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035040., Registrované v: WOS
36. [1.1] HUANG, T. - NO, J. M. - PERNIE, L. - RAMSEY-MUSOLF, M. - SAFONOV, A. - SPANNOVSKY, M. - WINSLOW, P. Resonant di-Higgs boson production in the $b(\bar{b})\gamma WW$ channel: Probing the electroweak phase transition at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035007., Registrované v: WOS
37. [1.1] CHAKRABARTY, Nabarun - MUKHOPADHYAYA, Biswarup. High-scale validity of a two-Higgs-doublet scenario: Predicting collider signals. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035028., Registrované v: WOS
38. [1.1] CHAKRABORTY, Amit - MAITRA, Ushoshi - RAYCHAUDHURI, Sreerup - SAMUI, Tousik. Mixed Higgs-radion states at the LHC a detailed study. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 922, pp. 41-61., Registrované v: WOS
39. [1.1] CHAMORRO-SOLANO, S. - MOYOTL, A. - PEREZ, M. A. Lepton flavor changing Higgs boson decays in a two Higgs doublet model with a fourth generation of fermions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 7, art. no. 075003., Registrované v: WOS
40. [1.1] CHOWDHURY, Debtosh - EBERHARDT, Otto. Update of global Two-Higgs-Doublet model fits. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 161., Registrované v: WOS
41. [1.1] IYER, Abhishek M. - MAITRA, Ushoshi. Dissecting new physics models through kinematic edges. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035039., Registrované v: WOS
42. [1.1] JENNICHES, Laura - STURM, Christian - UCCIRATI, Sandro. Electroweak corrections in the 2HDM for neutral scalar Higgs-boson production through gluon fusion. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 017., Registrované v: WOS
43. [1.1] KANG, Sin Kyu - QIAN, Zhuoni - SONG, Jeonghyeon - YOON, Yeo Woong. Confronting the fourth generation two-Higgs-doublet model with the phenomenology of heavy Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095025., Registrované v: WOS
44. [1.1] KEUS, Venus - KOIVUNENA, Niko - TUOMINEN, Kimmo. Singlet scalar and 2HDM extensions of the Standard Model: CP-violation and constraints from $(g-2)_{\mu}$ and e EDM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 059., Registrované v: WOS

45. [1.1] KO, P. - LI, Gang - LI, Jinmian. Impact of the 125 GeV Higgs boson on singlet fermion dark matter searches at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 055031., Registrované v: WOS
46. [1.1] KO, P. - YU, Chaehyun - YUAN, Tzu-Chiang. Probing a new strongly interacting sector via composite diboson resonances. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115034., Registrované v: WOS
47. [1.1] LEWIS, Ian M. - SULLIVAN, Matthew. Benchmarks for double Higgs production in the singlet-extended standard model at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035037., Registrované v: WOS
48. [1.1] MADGE, E. - SCHWALLER, P. Leptophilic dark matter from gauged lepton number: phenomenology and gravitational wave signatures. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 8 2019, no. 2., Registrované v: WOS
49. [1.1] OUAZGHOUR, B.A. - ARHRIB, A. - BENBRIK, R. - CHABAB, M. - RAHILI, L. Theory and phenomenology of a two-Higgs-doublet type-II seesaw model at the LHC run 2. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 27 2019, vol. 100, no. 3., Registrované v: WOS
50. [1.1] SANCHEZ-VELEZ, R. - TAVARES-VELASCO, G. Decay $\phi \rightarrow Z \gamma \gamma$ ($\phi = h, H, A$) in the minimal supersymmetric standard model. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 19 2019, vol. 99, no. 5., Registrované v: WOS
51. [1.1] WANG, Lei - SHI, Rongle - HAN, Xiao-Fang - ZHU, Bin. Light scalar dark matter extension of the type-II two-Higgs-doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035024., Registrované v: WOS

ADCA783 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for an invisibly decaying Higgs boson or dark matter candidates produced in association with a Z boson in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Physics Letters B*, 2018, vol. 776, p. 318-337. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2017.11.049>

Ohlasy:

1. [1.1] ARCADI, G. - BUSONI, G. - HUGLE, T. - TENORTH, V.T. Comparing 2HDM+scalar and pseudoscalar simplified models at LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 16 2020, no. 6., Registrované v: WOS
2. [1.1] ARCADI, G. - DJOUADI, A. - RAIDAL, M. Dark Matter through the Higgs portal. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, FEB 3 2020, vol. 842, p. 1-180., Registrované v: WOS
3. [1.1] BAUM, Sebastian - SHAH, Nausheen R. Two Higgs doublets and a complex singlet: disentangling the decay topologies and associated phenomenology. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 044., Registrované v: WOS

4. [1.1] BIEKOETTER, Anke - KEILBACH, Fabian - MOUTAFIS, Rhea - PLEHN, Tilman - THOMPSON, Jennifer M. Tagging Jets in Invisible Higgs Searches. In *SCIPOST PHYSICS*. ISSN 2542-4653, 2018, vol. 4, no. 6, art. no. 035., Registrované v: WOS
5. [1.1] BURRAGE, Clare - COPELAND, Edmund J. - MILLINGTON, Peter - SPANNOVSKY, Michael. Fifth forces, Higgs portals and broken scale invariance. In *JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS*. ISSN 1475-7516, 2018, no. 11, art. no. 036., Registrované v: WOS
6. [1.1] CADAMURO, L. Higgs boson properties and decays, searches for high mass Higgs bosons, and Higgs boson pair production. In *NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS*. ISSN 2037-4909, 2018, vol. 41, no. 4, art. no. 157., Registrované v: WOS
7. [1.1] DICK, Rainer. Direct signals from electroweak singlets through the Higgs portal. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS D*. ISSN 0218-2718, 2018, vol. 27, no. 16, art. no. 1830008., Registrované v: WOS
8. [1.1] ESCH, Sonja - KLASSEN, Michael - YAGUNA, Carlos E. A singlet doublet dark matter model with radiative neutrino masses. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2018, no. 10, art. no. 055., Registrované v: WOS
9. [1.1] GARNY, Mathias - HEISIG, Jan - HUFNAGEL, Marco - LUELFE, Benedikt. Top-philic dark matter within and beyond the WIMP paradigm. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075002., Registrované v: WOS
10. [1.1] HEURTIER, L. - PARTOUCHE, H.E. Spontaneous freeze out of dark matter from an early thermal phase transition. In *PHYSICAL REVIEW D*. ISSN 2470-0010, FEB 19 2020, vol. 101, no. 4., Registrované v: WOS
11. [1.1] HOOPER, D. - LEANE, R.K. - TSAI, Y.D. - WEGSMAN, S. - WITTE, S.J. A systematic study of hidden sector dark matter: application to the gamma-ray and antiproton excesses. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, JUL 23 2020, no. 7., Registrované v: WOS
12. [1.1] LEANE, Rebecca K. - SLATYER, Tracy R. - BEACOM, John F. - NG, Kenny C. Y. GeV-scale thermal WIMPs: Not even slightly ruled out. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 2, art. no. 023016., Registrované v: WOS
13. [1.1] MAHBUBANI, Rakhi - ZURITA, Jose. Probing compressed dark sectors at 100 TeV in the dileptonic mono-Z channel. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2018, no. 12, art. no. 092., Registrované v: WOS
14. [1.1] MA, Ernest - TSUMURA, Koji. Syndetic extension of baryon and lepton numbers: Proton decay and long-lived dark matter. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035037., Registrované v: WOS
15. [1.1] PENNING, Bjoern. The pursuit of dark matter at colliders-an overview. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*. ISSN 0954-3899, 2018, vol. 45, no. 6, art. no. 063001., Registrované v: WOS
16. [1.1] TREVISANI, Nicola. Collider Searches for Dark Matter (ATLAS). In *UNIVERSE*. ISSN 2218-1997, 2018, vol. 4, no. 11, art. no. 131., Registrované v: WOS

ADCA784 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for anomalous couplings in the Wtb vertex from the measurement of double differential angular decay rates of single top quarks produced in the t -channel with the ATLAS detector. In *Journal of High Energy Physics*, 2016, vol. 2016, no. 4, art. no. 023. (2015: 6.023 - IF, Q1 - JCR, 1.343 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP04\(2016\)023](https://doi.org/10.1007/JHEP04(2016)023)

Ohlasy:

1. [1.1] AGARWAL, Bakul - ISAACSON, Joshua - MOHAN, Kirtimaan A. Minimal dilaton model and the diphoton excess. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035027., Registrované v: WOS
2. [1.1] CARRAZZA, Stefano - FREDERIX, Rikkert - HAMILTON, Keith - ZANDERIGHI, Giulia. MINLO t -channel single-top plus jet. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2018, no. 9, art. no. 108., Registrované v: WOS
3. [1.1] CIRIGLIANO, V. - DEKENS, W. - DE VRIES, J. - MEREGHETTI, E. Constraining the top-Higgs sector of the standard model effective field theory. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 034031., Registrované v: WOS
4. [1.1] CIRIGLIANO, V. - DEKENS, W. - DE VRIES, J. - MEREGHETTI, E. Is there room for CP violation in the top-Higgs sector? In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 016002., Registrované v: WOS
5. [1.1] FISCHER, M. - GROOTE, S. - KOERNER, J. G. T-odd correlations in polarized top quark decays in the sequential decay $t(\text{up arrow}) \rightarrow X-b + W+ (-\rightarrow l(+) + \nu(l))$ and in the quasi-three-body decay $t(\text{up arrow}) \rightarrow X-b + l(+) + \nu(l)$. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 093001., Registrované v: WOS
6. [1.1] JUEID, Adil. Probing anomalous Wtb couplings at the LHC in single t -channel top quark production. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 053006., Registrované v: WOS
7. [1.1] MEREGHETTI, Emanuele. Constraining top-Higgs couplings at high and low energy. In *XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM*. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 08012., Registrované v: WOS
8. [1.1] NEUMANN, T. - SULLIVAN, Z. Off-shell single-top-quark production in the Standard Model Effective Field Theory. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, JUN 7 2019, no. 6., Registrované v: WOS

ADCA785 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for anomalous electroweak production of WW/WZ in association with a high-mass dijet system in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Physical Review D*, 2017, vol. 95, no. 3, art. no. 032001. (2016: 4.557 - IF, Q1 - JCR, 2.115 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.95.032001>

Ohlasy:

1. [1.1] AHMADOV, A.I. W Boson Pair Production in Association with the Photon in Proton-Proton Collisions at LHC Energies. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, SEP 2019, vol. 58, no. 9, p. 2770-2794., Registrované v: WOS
2. [1.1] ALVARADO, F. - GUEVARA, A. - SANZ-CILLERO, J.J. EW EXTENSIONS OF THE STANDARD MODEL AND THE SUPPRESSION OF FERMIONIC EFT INTERACTIONS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, NOV 2019, vol. 50, no. 11, p. 1937-1953., Registrované v: WOS
3. [1.1] ARGANDA, E. - GARCIA-GARCIA, C. - HERRERO, M.J. Probing the Higgs self-coupling through double Higgs production in vector boson scattering at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, AUG 2019, vol. 945., Registrované v: WOS
4. [1.1] BALLESTRERO, A. - MAINA, E. - PELLICCIOLI, G. Different polarization definitions in same-sign WW scattering at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS
5. [1.1] BRASS, Simon - FLEPER, Christian - KILIAN, Wolfgang - REUTER, Juergen - SEKULLA, Marco. Transversal modes and Higgs bosons in electroweak vector-boson scattering at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 11, art. no. 931., Registrované v: WOS
6. [1.1] DE MONCHENAULT, Gautier Hamel. Electroweak Measurements at the LHC. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 67. ISSN 0163-8998, 2017, vol. 67, pp. 19-44., Registrované v: WOS
7. [1.1] DELGADO, R. L. - DOBADO, A. - ESPRIU, D. - GARCIA-GARCIA, C. - HERRERO, M. J. - MARCANO, X. - SANZ-CILLERO, J. J. Production of vector resonances at the LHC via WZ-scattering: a unitarized EChL analysis. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 11, art. no. 098., Registrované v: WOS
8. [1.1] GARCIA-GARCIA, C. - HERRERO, M. - MORALES, R.A. Unitarization effects in EFT predictions of WZ scattering at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 8 2019, vol. 100, no. 9., Registrované v: WOS
9. [1.1] ZHANG, C. - ZHOU, S.Y. Positivity bounds on vector boson scattering at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 4 2019, vol. 100, no. 9., Registrované v: WOS

ADCA786 ABULENCIA, A. - ANTOŠ, Jaroslav - LYSÁK, Roman. Search for Anomalous Production of Multilepton Events in p anti-p collisions at $s = 1.96$ TeV (CDF Collaboration). In *Physical Review Letters*, 2007, vol. 98, no. 13, art. no. 131804. (2006: 7.072 - IF, Q1 - JCR, 4.781 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.98.131804>

Ohlasy:

1. [1.1] REDELBACH, Andreas. Searches for Prompt R-Parity-Violating Supersymmetry at the LHC. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 1. 982167., Registrované v: WOS

ADCA787 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with root $s=8$ TeV pp collisions using the ATLAS detector. In *Journal of High Energy Physics*, 2015, vol. 2015, no. 3, art. no. 041. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP03\(2015\)041](https://doi.org/10.1007/JHEP03(2015)041)

Ohlasy:

1. [1.1] BABU, K. S. - JANA, Sudip. Probing doubly charged Higgs bosons at the LHC through photon initiated processes. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055020., Registrované v: WOS
2. [1.1] BABU, K. S. - MCKAY, Douglas W. - MOCIOIU, Irina - PAKVASA, Sandip. Light sterile neutrinos, lepton number violating interactions, and the LSND neutrino anomaly. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 113019., Registrované v: WOS
3. [1.1] BERTOLINI, Stefano - DI LUZIO, Luca - KOLESOVA, Helena - MALINSKY, Michal - VASQUEZ, Juan Carlos. Neutrino-axion-dilaton interconnection. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 015009., Registrované v: WOS
4. [1.1] BORAH, Debasish - DASGUPTA, Arnab - PATRA, Sudhanwa. Neutrinoless double beta decay in minimal left-right symmetric model with universal seesaw. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2018, vol. 33, no. 35, art. no. 1850198., Registrované v: WOS
5. [1.1] CAI, Yi - HAN, Tao - LI, Tong - RUIZ, Richard. Lepton Number Violation: Seesaw Models and Their Collider Tests. In *FRONTIERS IN PHYSICS*. ISSN 2296-424X, 2018, vol. 6, art. no. 40., Registrované v: WOS
6. [1.1] CAMPBELL, Robyn - GODFREY, Stephen - LOGAN, Heather E. - POULIN, Alexandre. Real singlet scalar dark matter extension of the Georgi-Machacek model. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 016005., Registrované v: WOS
7. [1.1] DE MELO, T.B. - QUEIROZ, F.S. - VILLAMIZAR, Y. Doubly charged scalar at the High-Luminosity and High-Energy LHC. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, SEP 30 2019, vol. 34, no. 27., Registrované v: WOS
8. [1.1] DEGRANDE, Celine - HARTLING, Katy - LOGAN, Heather E. Scalar decays to $\gamma\gamma$, $Z\gamma$, and $W\gamma$ in the Georgi-Machacek model. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075013., Registrované v: WOS
9. [1.1] DEV, P. S. Bhupal - MOHAPATRA, Rabindra N. - ZHANG, Yongchao. Displaced photon signal from a possible light scalar in minimal left-right seesaw model. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115001., Registrované v: WOS
10. [1.1] FRASER, Sean - KOWNACKI, Corey - MA, Ernest - POPOV, Oleg. Type II radiative seesaw model of neutrino mass with dark matter. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 013021., Registrované v: WOS
11. [1.1] FREITAS, F. F. - PIRES, C. A. de S. - DA SILVA, P. S.

- Rodrigues. Inverse type II seesaw mechanism and its signature at the LHC and ILC. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 769, pp. 48-56., Registrované v: WOS
12. [1.1] GHOSH, Tathagata - JANA, Sudip - NANDI, S. Neutrino mass from Higgs quadruplet and multicharged Higgs searches at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115037., Registrované v: WOS
13. [1.1] GUO, Shu-Yuan - HAN, Zhi-Long - LIAO, Yi. Testing the type II radiative seesaw model: From dark matter detection to LHC signatures. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 115014., Registrované v: WOS
14. [1.1] HAMADA, Yuta - KAWAI, Hikaru - KAWANA, Kiyoharu - TSUMURA, Koji. Models of the LHC diphoton excesses valid up to the Planck scale. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 014007., Registrované v: WOS
15. [1.1] HUITU, K. - KARKKAINEN, T. J. - MAALAMPI, J. - VIHONEN, S. Effects of triplet Higgs bosons in long baseline neutrino experiments. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095037., Registrované v: WOS
16. [1.1] CHAKRABORTTY, Joydeep - GHOSH, Pradipta - MONDAL, Subhadeep - SRIVASTAVA, Tripurari. Reconciling $(g-2)_{\mu}$ and charged lepton flavor violating processes through a doubly charged scalar. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115004., Registrované v: WOS
17. [1.1] CHAKRABORTY, Amit - CHAKRABORTY, Sabyasachi. Probing $(g-2)_{\mu}$ at the LHC in the paradigm of R-parity violating MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075035., Registrované v: WOS
18. [1.1] KANEMURA, Shinya - NISHIWAKI, Kenji - OKADA, Hiroshi - ORIKASA, Yuta - PARK, Seong Chan - WATANABE, Ryoutaro. LHC 750 GeV diphoton excess in a radiative seesaw model. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2016, no. 12, art. no. 123B04., Registrované v: WOS
19. [1.1] KANEMURA, S. - MAWATARI, K. - SAKURAI, K. Single Higgs production in association with a photon at electron-positron colliders in extended Higgs models. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 15 2019, vol. 99, no. 3., Registrované v: WOS
20. [1.1] MAIEZZA, Alessio - NEMEVSSEK, Miha - NESTI, Fabrizio. Perturbativity and mass scales in the minimal left-right symmetric model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035008., Registrované v: WOS
21. [1.1] MAIEZZA, Alessio - SENJANOVIC, Goran - CARLOS VASQUEZ, Juan. Higgs sector of the minimal left-right symmetric theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095004., Registrované v: WOS
22. [1.1] OKADA, Hiroshi - YAGYU, Kei. Three-loop neutrino mass model with doubly charged particles from isodoublets. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 013004., Registrované v: WOS
23. [1.1] SRUTHILAYA, M. - MOHANTA, Rukmani - PATRA, Sudhanwa. Neutrino mass and neutrinoless double beta decay in $SO(10)$ GUT

with Pati-Salam symmetry. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 7, art. no. 075004., Registrované v: WOS

ADCA788 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for anomalous production of prompt like-sign muon pairs and constraints on physics beyond the standard model with the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2012, vol. 85, no. 3, art. no. 032004. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.85.032004>

Ohlasy:

1. [1.1] GODUNOV, S. I. - VYSOTSKY, M. I. - ZHEMCHUGOV, E. V. Double Higgs production at LHC, see-saw type-II and Georgi-Machacek model. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2015, vol. 120, no. 3, pp. 369-375., Registrované v: WOS
2. [1.1] NOMURA, Takaaki - OKADA, Hiroshi - YOKOYA, Hiroshi. Discriminating leptonic Yukawa interactions with doubly charged scalar at the ILC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 929, pp. 193-206., Registrované v: WOS

ADCA789 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for B - L R-parity-violating top squarks in root s=13 TeV pp collisions with the ATLAS experiment. In *Physical Review D*, 2018, vol. 97, no. 3, art. no. 032003. (2017: 4.394 - IF, Q1 - JCR, 1.801 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.97.032003>

Ohlasy:

1. [1.1] ALVAREZ, E. - SZEWC, M. Nonresonant leptoquark with multigeneration couplings for mu mu jj and mu nu jj at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 9 2019, vol. 99, no. 9., Registrované v: WOS
2. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
3. [1.1] LI, J.M. - LI, T.J. - ZHANG, W.X. Least constrained supersymmetry with R-parity violation. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 14 2019, vol. 99, no. 3., Registrované v: WOS
4. [1.1] SMARANDA, D.D. - MILLER, D.J. Scherk-Schwarz orbifolds at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS

ADCA790 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for bottom squark pair production in proton-proton collisions at root s=13TeV with the ATLAS detector. In *European Physical Journal C*, 2016, vol. 76, no. 10, art. no. 547. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 -

Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na:
<https://doi.org/10.1140/epjc/s10052-016-4382-4>

Ohlasy:

1. [1.1] ARBEY, A. - BOUDAUD, M. - MAHMOUDI, F. - ROBBINS, G. Robustness of dark matter constraints and interplay with collider searches for New Physics. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 11, art. no. 132., Registrované v: WOS
2. [1.1] ARNAN, Pere - CRIVELLIN, Andreas - HOFER, Lars - MESCIA, Federico. Loop effects of heavy new scalars and fermions in $b \rightarrow s \mu^{(+)} \mu^{(-)}$. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, art. no. 043., Registrované v: WOS
3. [1.1] DHARGYAL, L. A simple model to explain observed muon sector anomalies and small neutrino masses. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, DEC 2019, vol. 46, no. 12., Registrované v: WOS
4. [1.1] GARNY, Mathias - HEISIG, Jan - LUELF, Benedikt - VOGL, Stefan. Coannihilation without chemical equilibrium. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 10, art. no. 103521., Registrované v: WOS
5. [1.1] HATI, Chandan - KUMAR, Girish - ORLOFF, Jean - TEIXEIRA, Ana M. Reconciling B-meson decay anomalies with neutrino masses, dark matter and constraints from flavour violation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 011., Registrované v: WOS
6. [1.1] HUANG, Wei-Chih - ISHIDA, Hiroyuki - LU, Chih-Ting - TSAI, Yue-Lin Sming - YUAN, Tzu-Chiang. Signals of new gauge bosons in gauged two higgs doublet model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 8, art. no. 613., Registrované v: WOS
7. [1.1] CHEN, Ning - KANG, Zhaofeng - LI, Jinmian. Missing particle associated with two bottom quarks at the LHC: Mono-b versus 2b with razor variables. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015003., Registrované v: WOS
8. [1.1] CHEUNG, Kingman - NOMURA, Takaaki - OKADA, Hiroshi. Three-loop neutrino mass model with a colored triplet scalar. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015026., Registrované v: WOS
9. [1.1] CHOWDHURY, Debtosh - PATEL, Ketan M. - TATA, Xerxes - VEMPATI, Sudhir K. Indirect searches of the degenerate MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075025., Registrované v: WOS
10. [1.1] KEUNG, Wai-Yee - LOW, Ian - ZHANG, Yue. Reappraisal of dark matter co-annihilating with a top or bottom partner. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015008., Registrované v: WOS
11. [1.1] KOWALSKA, Kamila - SESSOLO, Enrico Maria. MSSM fits to the ATLAS 1 lepton excess. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 2, art. no. 79., Registrované v: WOS
12. [1.1] KOWALSKA, Kamila. Phenomenological MSSM in light of new 13 TeV LHC data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 12, art. no. 684., Registrované v: WOS

13. [1.1] LIANG, Tai-ran - ZHU, Bin - DING, Ran - LI, Tianjun. Effective Natural Supersymmetry from the Yukawa Deflected Mediations. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, art. no. 1585023., Registrované v: WOS
14. [1.1] MUEHLLEITNER, Margarete - SAMPAIO, Marco O. P. - SANTOS, Rui - WITTBRODT, Jonas. Phenomenological comparison of models with extended Higgs sectors. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 132., Registrované v: WOS
15. [1.1] SCHMALTZ, M. - ZHONG, Y.M. The leptoquark Hunter's guide: large coupling. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 15 2019, no. 1., Registrované v: WOS
16. [1.1] ZHU, Bin - DING, Ran - LI, Tianjun. Higgs mass and muon anomalous magnetic moment in the MSSM with gauge-gravity hybrid mediation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035029., Registrované v: WOS
17. [1.1] ZHU, Bin - DING, Ran - LI, Tianjun. Hybrid anomaly and gravity mediation for electroweak supersymmetry. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 7, art. no. 1850035., Registrované v: WOS

ADCA791 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Search for $B\text{-}s(0)\text{-}\mu(+)\mu(-)$ and $B\text{-}0\text{-}\mu(+)\mu(-)$ Decays with 2 fb^{-1} of $p(p)\text{-}\bar{p}$ Collisions. In *Physical Review Letters*, 2008, vol. 100, no. 10, art. no. 101802. (2007: 6.944 - IF, Q1 - JCR, 5.950 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.100.101802>

Ohlasy:

1. [1.1] AJAIB, M. Adeel - GOGOLADZE, Ilia - SHAFI, Qaisar. GUT-inspired supersymmetric model for $h \rightarrow \gamma\gamma$ and the muon $g\text{-}2$. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. UNSP 095005., Registrované v: WOS

ADCA792 ACHARYA, S. - ADAMOVIĆ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Search for collectivity with azimuthal J/ψ -hadron correlations in high multiplicity p-Pb collisions at $\sqrt{s(NN)}=5.02$ and 8.16 TeV . In *Physics Letters B*, 2018, vol. 780, p. 7-20. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.02.039>

Ohlasy:

1. [1.1] DONG, Xin - LEE, Yen-Jie - RAPP, Ralf. Open Heavy-Flavor Production in Heavy-Ion Collisions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 69. ISSN 0163-8998, 2019, vol. 69, pp. 417-445., Registrované v: WOS
2. [1.1] DU, Xiaojian - RAPP, Ralf. In-medium charmonium production in proton-nucleus collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2019, no. 3, art. no. 015., Registrované v: WOS
3. [1.1] HUANG, S.L. - CHEN, Z.Y. - JIA, J.Y. - LI, W. Disentangling contributions to small-system collectivity via scans of light nucleus-nucleus

collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, FEB 18 2020, vol. 101, no. 2., Registrované v: WOS

4. [1.1] MA, Yan-Qing - TRIBEDY, Prithwish - VENUGOPALAN, Raju - WATANABE, Kazuhiro. Event engineering studies for heavy flavor production and hadronization in high multiplicity hadron-hadron and hadron-nucleus collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 074025., Registrované v: WOS

5. [1.1] SPIRIDONOVA, N. - FERSMAN, N. - AKUPOVA, V. Current trends in the development of interactive methods in teaching foreign languages. In INTERNATIONAL SCIENTIFIC CONFERENCE DIGITAL TRANSFORMATION ON MANUFACTURING, INFRASTRUCTURE AND SERVICE. ISSN 1757-8981, 2020, vol. 940., Registrované v: WOS

ADCA793 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for contact interactions and large extra dimensions in dilepton events from pp collisions at root s=7 TeV with the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2013, vol. 87, no. 1, art. no. 015010. (2012: 4.691 - IF, Q1 - JCR, 2.725 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.87.015010>

Ohlasy:

1. [1.1] DAVIDSON, Sacha - DESCOTES-GENON, Sebastien - VERDIER, Patrice. Of contact interactions and colliders. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055031., Registrované v: WOS

2. [1.1] ETESAMI, Seyed Mohsen - NAJAFABADI, Mojtaba Mohammadi. Double Higgs boson production with a jet substructure analysis to probe extra dimensions. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 073013., Registrované v: WOS

3. [1.1] FARINA, Marco - PANICO, Giuliano - PAPPADOPULO, Duccio - RUDERMAN, Joshua T. - TORRE, Riccardo - WULZER, Andrea. Energy helps accuracy: Electroweak precision tests at hadron colliders. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 772, pp. 210-215., Registrované v: WOS

4. [1.1] CHOUDHURY, Debajyoti - GHOSH, Kirtiman - NIYOGI, Saurabh. Probing nonstandard neutrino interactions at the LHC Run II. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 784, pp. 248-254., Registrované v: WOS

5. [1.1] LEONARDI, R. - PANELLA, O. - ROMEO, F. - GURROLA, A. - SUN, H. - XUE, S.S. Phenomenology at the LHC of composite particles from strongly interacting Standard Model fermions via four-fermion operators of NJL type. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, APR 8 2020, vol. 80, no. 4., Registrované v: WOS

6. [1.1] SAHIN, I. - KOKSAL, M. - INAN, S. C. - BILLUR, A. A. - SAHIN, B. - TEKTAŞ, P. - ALICI, E. - YILDIRIM, R. Graviton production through photon-quark scattering at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 035017., Registrované v: WOS

7. [1.1] XUE, She-Sheng. Resonant and nonresonant new phenomena of

four-fermion operators for experimental searches. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 744, pp. 88-94., Registrované v: WOS

ADCA794 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *European Physical Journal C*, 2014, vol. 74, no. 12, art. no. 3134. (2013: 5.436 - IF, Q1 - JCR, 2.323 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-014-3134-6>

Ohlasy:

1. [1.1] ACCOMANDO, Elena - FIASCHI, Juri - HAUTMANN, Francesco - MORETTI, Stefano - SHEPHERD-THEMISTOCLEOUS, Claire H. Photon-initiated production of a dilepton final state at the LHC: Cross section versus forward-backward asymmetry studies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035014., Registrované v: WOS
2. [1.1] AHMED, Taushif - BANERJEE, Pulak - DHANI, Prasanna K. - KUMAR, M. C. - MATHEWS, Prakash - RANA, Narayan - RAVINDRAN, V. NNLO QCD corrections to the Drell-Yan cross section in models of TeV-scale gravity. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 1, art. no. 22., Registrované v: WOS
3. [1.1] ALEXEYEV, S. O. - CALMET, X. - LATOSH, B. N. Gravity induced non-local effects in the standard model. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 776, pp. 111-114., Registrované v: WOS
4. [1.1] ALIOLI, Simone - DEKENS, Wouter - GIRARD, Michael - MEREGHETTI, Emanuele. NLO QCD corrections to SM-EFT dilepton and electroweak Higgs boson production, matched to parton shower in POWHEG. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 205., Registrované v: WOS
5. [1.1] ALTMANNSHOFER, Wolfgang - STRAUB, David M. New physics in $b \rightarrow s$ transitions after LHC run 1. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 8, art. no. 382., Registrované v: WOS
6. [1.1] ALTMANNSHOFER, Wolfgang - FOX, Patrick J. - HARNIK, Roni - KRIBS, Graham D. - RAJ, Nirmal. Dark matter signals in dilepton production at hadron colliders. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 115006., Registrované v: WOS
7. [1.1] CAPDEVILLA, R. - HARNIK, R. - MARTIN, A. The radiation valley and exotic resonances in W gamma production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 20 2020, no. 3., Registrované v: WOS
8. [1.1] CELIS, Alejandro - FUENTES-MARTIN, Javier - JUNG, Martin - SERODIO, Hugo. Family nonuniversal Z' models with protected flavor-changing interactions. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 015007., Registrované v: WOS
9. [1.1] DAS, G. - KUMAR, M.C. - SAMANTA, K. Resummed inclusive cross-section in ADD model at (NLL)-L-3. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 26 2020, no. 10., Registrované v: WOS
10. [1.1] D'AGNOLO, Raffaele Tito - HOOK, Anson. Spontaneous

baryogenesis from extremely light asymmetric dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 115020., Registrované v: WOS

11. [1.1] ETESAMI, Seyed Mohsen - NAJAFABADI, Mojtaba Mohammadi. Double Higgs boson production with a jet substructure analysis to probe extra dimensions. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 073013., Registrované v: WOS

12. [1.1] FARINA, Marco - PANICO, Giuliano - PAPPADOPULO, Duccio - RUDERMAN, Joshua T. - TORRE, Riccardo - WULZER, Andrea. Energy helps accuracy: Electroweak precision tests at hadron colliders. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 772, pp. 210-215., Registrované v: WOS

13. [1.1] CHEUNG, Kingman - KEUNG, Wai-Yee - TSENG, Po-Yan. Lepton-Flavor-violating Z' using the electron-muon channel at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075006., Registrované v: WOS

14. [1.1] CHIVUKULA, R. Sekhar - ISAACSON, Joshua - MOHAN, Kirtimaan A. - SENGUPTA, Dipan - SIMMONS, Elizabeth H. R-K anomalies and simplified limits on Z' models at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075012., Registrované v: WOS

15. [1.1] CHOUDHURY, Debajyoti - GHOSH, Kirtiman - NIYOGI, Saurabh. Probing nonstandard neutrino interactions at the LHC Run II. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 784, pp. 248-254., Registrované v: WOS

16. [1.1] RAJ, Nirmal. Anticipating nonresonant new physics in dilepton angular spectra at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015011., Registrované v: WOS

17. [1.1] SAHIN, I. - KOKSAL, M. - INAN, S. C. - BILLUR, A. A. - SAHIN, B. - TEKTAS, P. - ALICI, E. - YILDIRIM, R. Graviton production through photon-quark scattering at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 035017., Registrované v: WOS

18. [1.1] SOUDER, P. - PASCHKE, K. D. Parity violation in electron scattering. In FRONTIERS OF PHYSICS. ISSN 2095-0462, 2016, vol. 11, no. 1, art. no. 111301., Registrované v: WOS

19. [1.1] YANG, Daneng - LI, Qiang. Probing the dark sector through mono-Z boson leptonic decays. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 090., Registrované v: WOS

20. [1.1] ZHENG, Xiaochao. Weak charge of the proton measured. In NATURE. ISSN 0028-0836, 2018, vol. 557, no. 7704, pp. 171-172., Registrované v: WOS

ADCA795 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCÉI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for contact interactions in dilepton events from pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector (ATLAS Collaboration). In *Physics Letters B*, 2012, vol. 712, no. 1-2, p. 40-58. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] SCHMALTZ, M. - ZHONG, Y.M. The leptoquark Hunter's

guide: large coupling. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 15 2019, no. 1., Registrované v: WOS

ADCA796 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using the ATLAS detector. In *Journal of High Energy Physics*, 2018, no. 1, art. no. 126. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP01\(2018\)126](https://doi.org/10.1007/JHEP01(2018)126)

Ohlasy:

1. [1.1] ABDALLAH, W. - CHATTERJEE, A. - DATTA, A. Revisiting singlino dark matter of the natural Z(3)-symmetric NMSSM in the light of LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 12 2019, no. 9., Registrované v: WOS
2. [1.1] ABDUGHANI, M. - WU, L. On the coverage of neutralino dark matter in coannihilations at the upgraded LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 12 2020, vol. 80, no. 3., Registrované v: WOS
3. [1.1] AHMED, A. - MARIOTTI, A. - NAJJARI, S. A light dilaton at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 20 2020, no. 5., Registrované v: WOS
4. [1.1] AHRICHE, A. - ARHRIB, A. - JUEID, A. - NASRI, S. - DE LA PUENTE, A. Mono-Higgs signature in the scotogenic model with Majorana dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, FEB 27 2020, vol. 101, no. 3., Registrované v: WOS
5. [1.1] ALANNE, T. - ARCADI, G. - GOERTZ, F. - TENORTH, V. - VOGL, S. Model-independent constraints with extended dark matter EFT. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 27 2020, no. 10., Registrované v: WOS
6. [1.1] ALVES, Alexandre - SANTOS, A. C. O. - SINHA, Kuver. Collider detection of dark matter electromagnetic anapole moments. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055023., Registrované v: WOS
7. [1.1] ARCADI, G. - BUSONI, G. - HUGLE, T. - TENORTH, V.T. Comparing 2HDM+scalar and pseudoscalar simplified models at LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 16 2020, no. 6., Registrované v: WOS
8. [1.1] ARCADI, G. - DJOUADI, A. - RAIDAL, M. Dark Matter through the Higgs portal. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, FEB 3 2020, vol. 842, p. 1-180., Registrované v: WOS
9. [1.1] ARCADI, G. - KRAUSS, M.B. - MELONI, D. Dark matter interactions in an S-4 x Z(5) flavor symmetry framework. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 7 2020, vol. 102, no. 11., Registrované v: WOS
10. [1.1] ARCADI, G. - PROFUMO, S. - QUEIROZ, F.S. - SIQUEIRA, C. Right-handed neutrino dark matter, neutrino masses, and non-standard cosmology in a 2HDM. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, DEC 2020, no. 12.,

Registrované v: WOS

11. [1.1] ARHRIB, A. - BENBRIK, R. - HAROUIZ, H. - MORETTI, S. - ROUCHAD, A. A Guidebook to Hunting Charged Higgs Bosons at the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, MAR 10 2020, vol. 8.,

Registrované v: WOS

12. [1.1] ARINA, C. - FUKS, B. - MANTANI, L. A universal framework for t-channel dark matter models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 12 2020, vol. 80, no. 5., Registrované v: WOS

13. [1.1] ARINA, Chiara. Impact of Cosmological and Astrophysical Constraints on Dark Matter Simplified Models. In FRONTIERS IN ASTRONOMY AND SPACE SCIENCES. ISSN 2296-987X, 2018, vol. 5, art. no. 30., Registrované v: WOS

14. [1.1] ASADI, Pouya - BUCKLEY, Matthew R. - DIFRANZO, Anthony - MONTEUX, Angelo - SHIH, David. An update on the LHC monojet excess. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 130., Registrované v: WOS

15. [1.1] ASTASHENKOV, M. O. - KISSELEV, A. Bound on a diffuse flux of ultrahigh energy neutrinos in the Arkani-Hamed-Dimopoulos-Dvali model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 12, art. no. 123009., Registrované v: WOS

16. [1.1] AVILA, C. - FLOREZ, A. - GURROLA, A. - DALE, J. - STARKO, S. Connecting particle physics and cosmology: Measuring the dark matter relic density in compressed supersymmetry models at the LHC. In PHYSICS OF THE DARK UNIVERSE. ISSN 2212-6864, JAN 2020, vol. 27., Registrované v: WOS

17. [1.1] BAE, K.J. - JINNO, R. - KAMADA, A. - YANAGI, K. Fingerprint matching of beyond-WIMP dark matter: neural network approach. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, MAR 2020, no. 3., Registrované v: WOS

18. [1.1] BAGNASCHI, E. - BAHL, H. - FUCHS, E. - HAHN, T. - HEINEMEYER, S. - LIEBLER, S. - PATEL, S. - SLAVICH, P. - STEFANIAK, T. - WAGNER, C.E.M. - WEIGLEIN, G. MSSM Higgs boson searches at the LHC: benchmark scenarios for Run 2 and beyond. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 20 2019, vol. 79, no. 7., Registrované v: WOS

19. [1.1] BAGNASCHI, E. - COSTA, J.C. - SAKURAI, K. - BORSATO, M. - BUCHMUELLER, O. - DE ROECK, A. - DOLAN, M.J. - ELLIS, J.R. - FLACHER, H. - HAHN, K. - HEINEMEYER, S. - LUCIO, M. - SANTOS, D.M. - OLIVE, K.A. - TRIFA, S. - WEIGLEIN, G. Global analysis of dark matter simplified models with leptophobic spin-one mediators using MasterCode. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS

20. [1.1] BARMAN, B. - BHANJA, T. - DAS, D. - MAITY, D. Minimal model of torsion mediated dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, APR 10 2020, vol. 101, no. 7., Registrované v: WOS

21. [1.1] BARMAN, R.K. - BELANGER, G. - GODBOLE, R.M. Status of low mass LSP in SUSY. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 21, SI, p. 3159-3185., Registrované v: WOS

22. [1.1] BATELL, B. - FREITAS, A. - ISMAIL, A. - MCKEEN, D.

Probing light dark matter with a hadrophilic scalar mediator. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 19 2019, vol. 100, no. 9., Registrované v: WOS

23. [1.1] BAUM, S. - CATENA, R. - KRAUSS, M.B. Impact of a XENONnT signal on LHC dijet searches. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 3 2019, no. 7., Registrované v: WOS

24. [1.1] BELANGER, G. - DESAI, N. - GOUDELIS, A. - HARZ, J. - LESSA, A. - NO, J.M. - PUKHOV, A. - SEKMEN, S. - SENGUPTA, D. - ZALDIVAR, B. - ZURITA, J. LHC-friendly minimal freeze-in models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 27 2019, no. 2., Registrované v: WOS

25. [1.1] BELL, Nicole F. - BUSONI, Giorgio - SANDERSON, Isaac W. Loop effects in direct detection. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 8, art. no. 017., Registrované v: WOS

26. [1.1] BELYAEV, A. Decoding the Nature of Dark Matter at Current and Future Experiments. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 25 2019, vol. 7., Registrované v: WOS

27. [1.1] BELYAEV, A. Decoding the nature of Dark Matter at current and future experiments. In 19TH INTERNATIONAL WORKSHOP ON ADVANCED COMPUTING AND ANALYSIS TECHNIQUES IN PHYSICS RESEARCH. ISSN 1742-6588, 2020, vol. 1525., Registrované v: WOS

28. [1.1] BELYAEV, A. - BERTUZZO, E. - BARROS, C.C. - EBOLI, O. - DI CORTONA, G.G. - IOCCO, F. - PUKHOV, A. Interplay of the LHC and non-LHC dark matter searches in the effective field theory approach. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 3 2019, vol. 99, no. 1., Registrované v: WOS

29. [1.1] BERGER, D. - IPEK, S. - TAIT, T.M.P. - WATERBURY, M. Dark matter freeze out during an early cosmological period of QCD confinement. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 27 2020, no. 7., Registrované v: WOS

30. [1.1] BERLIN, A. - BLINOV, N. - KRNJAIC, G. - SCHUSTER, P. - TORO, N. Dark matter, millicharges, axion and scalar particles, gauge bosons, and other new physics with LDMX. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 1 2019, vol. 99, no. 7., Registrované v: WOS

31. [1.1] BERNIGAUD, J. - HERRMANN, B. First steps towards the reconstruction of the squark flavour structure. In SCIPOST PHYSICS. ISSN 2542-4653, JUN 2019, vol. 6, no. 6., Registrované v: WOS

32. [1.1] BERNREUTHER, E. - KAHLHOEFER, F. - KRAMER, M. - TUNNEY, P. Strongly interacting dark sectors in the early Universe and at the LHC through a simplified portal. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 27 2020, no. 1., Registrované v: WOS

33. [1.1] BERTONE, Gianfranco - BOZORGNI, Nassim - KIM, Jong Soo - LIEM, Sebastian - MCCABE, Christopher - OTTEN, Sydney - RUIZ DE AUSTRI, Roberto. Identifying WIMP dark matter from particle and astroparticle data. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 3, art. no. 026., Registrované v: WOS

34. [1.1] BIONDINI, S. - VOGL, S. Scalar dark matter coannihilating with a coloured fermion. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 25 2019, no. 11., Registrované v: WOS

35. [1.1] BIONDINI, S. - VOGL, S. Coloured coannihilations: dark matter phenomenology meets non-relativistic EFTs. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 4 2019, no. 2., Registrované v: WOS
36. [1.1] BLANCO, C. - DELOS, M.S. - ERICKCEK, A.L. - HOOPER, D. Annihilation signatures of hidden sector dark matter within early-forming microhalos. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 14 2019, vol. 100, no. 10., Registrované v: WOS
37. [1.1] BLANCO, C. - ESCUDERO, M. - HOOPER, D. - WITTE, S.J. Z' mediated WIMPs: dead, dying, or soon to be detected?. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, NOV 2019, no. 11., Registrované v: WOS
38. [1.1] CAO, Q.H. - WEI, A.K. - XIANG, Q.F. Dark matter search at colliders and neutrino floor. In CHINESE PHYSICS C. ISSN 1674-1137, NOV 2020, vol. 44, no. 11., Registrované v: WOS
39. [1.1] CAPIELLO, C.V. - BEACOM, J.F. Strong new limits on light dark matter from neutrino experiments. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 14 2019, vol. 100, no. 10., Registrované v: WOS
40. [1.1] CAPIELLO, C.V. - NG, K.C.Y. - BEACOM, J.F. Reverse direct detection: Cosmic ray scattering with light dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, MAR 8 2019, vol. 99, no. 6., Registrované v: WOS
41. [1.1] COLUCCI, Stefano - FUKS, Benjamin - GIACCHINO, Federica - HONOREZ, Laura Lopez - TYTGAT, Michel H. G. - VANDECASTEELE, Jerome. Top-philic vectorlike portal to scalar dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035002., Registrované v: WOS
42. [1.1] COSKUNER, A. - GRABOWSKA, D.M. - KNAPEN, S. - ZUREK, K.M. Direct detection of bound states of asymmetric dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 27 2019, vol. 100, no. 3., Registrované v: WOS
43. [1.1] CURTIN, David - DIENES, Keith R. - THOMAS, Brooks. Dynamical Dark Matter, MATHUSLA, and the lifetime frontier. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115005., Registrované v: WOS
44. [1.1] DARME, L. - ELLIS, S.A.R. - YOU, T. Light dark sectors through the Fermion portal. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 8 2020, no. 7., Registrované v: WOS
45. [1.1] DAVOLI, Alessandro - DE SIMONE, Andrea - JACQUES, Thomas - MORANDINI, Alessandro. LHC phenomenology of dark matter with a color-octet partner. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 054., Registrované v: WOS
46. [1.1] DAVOLI, A. - DE SIMONE, A. - MARZOCCA, D. - MORANDINI, A. Composite 2HDM with singlets: a viable dark matter scenario. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 18 2019, no. 10., Registrované v: WOS
47. [1.1] DE BENEDETTI, Ron - LI, Chuang - LI, Tianjun - LUX, Adam - MAXIN, James A. - NANOPOULOS, Dimitri V. Inspiration from intersecting D-branes: general supersymmetry breaking soft terms in no-scale F-SU(5). In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 11,

art. no. 958., Registrované v: WOS

48. [1.1] DE BENEDETTI, R. - LI, T.J. - MAXIN, J.A. - NANOPOULOS, D.V. Naturalness in D-brane inspired models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 9 2019, no. 7., Registrované v: WOS

49. [1.1] DE ROMERI, V. - KELLY, K.J. - MACHADO, P.A.N. DUNE-PRISM sensitivity to light dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 8 2019, vol. 100, no. 9., Registrované v: WOS

50. [1.1] DERCKS, D. - ROBENS, T. Constraining the Inert Doublet Model using Vector Boson Fusion. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS

51. [1.1] DIAS, A.G. - LEITE, J. - SANCHEZ-VEGA, B.L. - VIEIRA, W.C. Dynamical symmetry breaking and fermion mass hierarchy in the scale-invariant 3-3-1 model. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 23 2020, vol. 102, no. 1., Registrované v: WOS

52. [1.1] DIENES, K.R. - KIM, D. - SONG, H.Y. - SU, S.F. - THOMAS, B. - YAYLALI, D. Nonminimal dark sectors: Mediator-induced decay chains and multijet collider signatures. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 15 2020, vol. 101, no. 7., Registrované v: WOS

53. [1.1] DIGMAN, M.C. - CAPPIELLO, C.V. - BEACOM, J.F. - HIRATA, C.M. - PETER, A.H.G. Not as big as a barn: Upper bounds on dark matter-nucleus cross sections. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 23 2019, vol. 100, no. 6., Registrované v: WOS

54. [1.1] DJOUADI, A. - ELLIS, J. - POPOV, A. - QUEVILLON, J. Interference effects in $t(\bar{t})$ production at the LHC as a window on new physics. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 21 2019, no. 3., Registrované v: WOS

55. [1.1] DOMINGO, F. - KIM, J.S. - LOZANO, V.M. - MARTIN-RAMIRO, P. - DE AUSTRI, R.R. Confronting the neutralino and chargino sector of the NMSSM with the multilepton searches at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 8 2020, vol. 101, no. 7., Registrované v: WOS

56. [1.1] DUAN, G.H. - FAN, X. - HIKASA, K. - PENG, B. - YANG, J.M. Probing stops in the coannihilation region at the HL-LHC: A comparative study of different processes. In PHYSICS LETTERS B. ISSN 0370-2693, NOV 10 2020, vol. 810., Registrované v: WOS

57. [1.1] DU, M.X. - LIU, Z.W. - TRAN, V.Q. Enhanced long-lived dark photon signals at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 12 2020, no. 5., Registrované v: WOS

58. [1.1] EGANA-UGRINOVIC, Daniel - LOW, Matthew - RUDERMAN, Joshua T. Charged fermions below 100 GeV. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 012., Registrované v: WOS

59. [1.1] EL HEDRI, Sonia - DE VRIES, Maikel. Cornering colored coannihilation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 102., Registrované v: WOS

60. [1.1] ELLIS, John - FOWLIE, Andrew - MARZOLA, Luca - RAIDAL, Martti. Statistical analyses of Higgs- and Z-portal dark matter models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115014., Registrované v: WOS

61. [1.1] ESCH, Sonja - KLASSEN, Michael - YAGUNA, Carlos E. A singlet doublet dark matter model with radiative neutrino masses. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 055., Registrované v: WOS
62. [1.1] FORMAL, Bartosz - GRINSTEIN, Benjamin. Dark Matter Interpretation of the Neutron Decay Anomaly. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 19, art. no. 191801., Registrované v: WOS
63. [1.1] FRASER, Sean - HEKTOR, Andi - HUTSI, Gert - KANNIKE, Kristjan - MARZO, Carlo - MARZOLA, Luca - RACIOPPI, Antonio - RAIDAL, Martti - SPETHMANN, Christian - VASKONEN, Ville - VEERMAE, Hardi. The EDGES 21 cm anomaly and properties of dark matter. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 785, pp. 159-164., Registrované v: WOS
64. [1.1] FRATTARI, G. Search for dark matter in events with missing transverse momentum and hadronic jets with the ATLAS experiment at the LHC and HL-LHC. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, MAR-JUN 2020, vol. 43, no. 2-3., Registrované v: WOS
65. [1.1] FRELLESVIG, H. - KUDASHKIN, K. - WEVER, C. Two-loop QCD-EW master integrals for Z plus jet production at large transverse momentum. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 8 2020, no. 5., Registrované v: WOS
66. [1.1] GAO, C. - NEILL, N.A. Probing exotic triple Higgs couplings at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 19 2020, no. 5., Registrované v: WOS
67. [1.1] GARCIA, A.N. Hannibal and the paradox of disgust. In CONTINUUM-JOURNAL OF MEDIA & CULTURAL STUDIES. ISSN 1030-4312, SEP 3 2019, vol. 33, no. 5, p. 554-564., Registrované v: WOS
68. [1.1] GARNY, Mathias - HEISIG, Jan - HUFNAGEL, Marco - LUELF, Benedikt. Top-philic dark matter within and beyond the WIMP paradigm. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075002., Registrované v: WOS
69. [1.1] GHOSH, D.K. - KATAYOSE, T. - MATSUMOTO, S. - SAHA, I. - SHIRAI, S. - TANABE, T. Role of future lepton colliders for fermionic Z-portal dark matter models. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 10 2020, vol. 101, no. 1., Registrované v: WOS
70. [1.1] GOERTZ, F. - TAME-NARVAEZ, K. - TENORTH, V.T. Di-jet/e(+)e(-) + MET to probe Z(2)-odd mediators to the dark sector. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 2019, vol. 79, no. 10., Registrované v: WOS
71. [1.1] HAN, Tao - MUKHOPADHYAY, Satyanarayan - WANG, Xing. Electroweak dark matter at future hadron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035026., Registrované v: WOS
72. [1.1] HEURTIER, L. - PARTOUCHE, H.E. Spontaneous freeze out of dark matter from an early thermal phase transition. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 19 2020, vol. 101, no. 4., Registrované v: WOS
73. [1.1] HOOPER, D. - LEANE, R.K. - TSAI, Y.D. - WEGSMAN, S. - WITTE, S.J. A systematic study of hidden sector dark matter: application to the

gamma-ray and antiproton excesses. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 23 2020, no. 7., Registrované v: WOS

74. [1.1] HOU, G.W.S. Perspectives and outlook from HEP window on the universe. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, JAN 20 2019, vol. 34, no. 2., Registrované v: WOS

75. [1.1] HURTADO, N. - MIR, H. - SHOEMAKER, I.M. - WELCH, E. - WYENBERG, J. Dark matter-neutrino interconversion at COHERENT, direct detection, and the early Universe. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 14 2020, vol. 102, no. 1., Registrované v: WOS

76. [1.1] CHATTERJEE, Arindam - DUTTA, Juhi - RAI, Santosh Kumar. Natural SUSY at LHC with right-sneutrino LSP. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 042., Registrované v: WOS

77. [1.1] CHATTERJEE, S. - DAS, A. - SAMUI, T. - SEN, M. Mixed WIMP-axion dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 31 2019, vol. 100, no. 11., Registrované v: WOS

78. [1.1] CHOUDHURY, D. - KUMAR, N. - KUNDU, A. Search for an opposite sign muon-tau pair and a b-jet at the LHC in the context of flavor anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 1 2019, vol. 100, no. 7., Registrované v: WOS

79. [1.1] CHO, G.C. - YAMASHITA, K. - YONEMURA, M. Search for vector-mediated dark matter at the LHC with forward proton tagging. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 18 2020, vol. 101, no. 3., Registrované v: WOS

80. [1.1] JUNIUS, S. - LOPEZ-HONOREZ, L. - MARIOTTI, A. A feeble window on leptophilic dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 23 2019, no. 7., Registrované v: WOS

81. [1.1] KAMADA, A. - KIM, H.J. Escalating core formation with dark matter self-heating. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 12 2020, vol. 102, no. 4., Registrované v: WOS

82. [1.1] KATZ, A. - SALVIONI, E. - SHAKYA, B. Split SIMPs with decays. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 8 2020, no. 10., Registrované v: WOS

83. [1.1] KIM, J.S. - KRAUSS, M.E. - LOZANO, V.M. - STAUB, F. Illuminating stealth scenarios at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 25 2020, vol. 101, no. 3., Registrované v: WOS

84. [1.1] KUMAR, Jason. Indirect detection of sub-GeV dark matter coupling to quarks. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 116009., Registrované v: WOS

85. [1.1] LEANE, Rebecca K. - SLATYER, Tracy R. - BEACOM, John F. - NG, Kenny C. Y. GeV-scale thermal WIMPs: Not even slightly ruled out. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 2, art. no. 023016., Registrované v: WOS

86. [1.1] LI, T. - LIAO, Y. Constraints on dimension-seven operators with a derivative in effective field theory for Dirac dark matter. In PHYSICS LETTERS B. ISSN 0370-2693, SEP 10 2019, vol. 796, p. 6-10., Registrované v: WOS

87. [1.1] LI, T. - MA, X.D. - SCHMIDT, M.A. General neutrino interactions with sterile neutrinos in light of coherent neutrino-nucleus scattering and meson invisible decays. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN

1029-8479, JUL 22 2020, no. 7., Registrované v: WOS

88. [1.1] LI, T. - WU, P.W. Simplified dark matter models with loop effects in direct detection and the constraints from indirect detection and collider search. In CHINESE PHYSICS C. ISSN 1674-1137, NOV 2019, vol. 43, no. 11., Registrované v: WOS

89. [1.1] MANDAL, Rusa. Fermionic dark matter in leptoquark portal. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 726., Registrované v: WOS

90. [1.1] MERCHAND, M. - SHER, M. Constraints on the parameter space in an inert doublet model with two active doublets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 19 2020, no. 3., Registrované v: WOS

91. [1.1] METODIEV, Eric M. - THALER, Jesse. Jet Topics: Disentangling Quarks and Gluons at Colliders. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 24, art. no. 241602., Registrované v: WOS

92. [1.1] MOHAN, K.A. - SENGUPTA, D. - TAIT, T.M.P. - YAN, B. - YUAN, C.P. Direct detection and LHC constraints on a t-channel simplified model of Majorana dark matter at one loop. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 21 2019, no. 5., Registrované v: WOS

93. [1.1] MORI, K. - BALANTEKIN, A.B. - KAJINO, T. - FAMIANO, M.A. Elimination of the Blue Loops in the Evolution of Intermediate-mass Stars by the Neutrino Magnetic Moment and Large Extra Dimensions. In ASTROPHYSICAL JOURNAL. ISSN 0004-637X, OCT 2020, vol. 901, no. 2., Registrované v: WOS

94. [1.1] NO, J.M. - TUNNEY, P. - ZALDIVAR, B. Probing dark matter freeze-in with long-lived particle signatures: MATHUSLA, HL-LHC and FCC-hh. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 4 2020, no. 3., Registrované v: WOS

95. [1.1] PENNING, Bjoern. The pursuit of dark matter at colliders-an overview. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 6, art. no. 063001., Registrované v: WOS

96. [1.1] PONTON, E. - BAI, Y. - JAIN, B. Electroweak symmetric dark matter balls. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 2 2019, no. 9., Registrované v: WOS

97. [1.1] PRIMULANDO, Reinard - UTTAYARAT, Patipan. Dark matter-neutrino interaction in light of collider and neutrino telescope data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 026., Registrované v: WOS

98. [1.1] PRIMULANDO, R. - JULIO, J. - UTTAYARAT, P. Scalar phenomenology in type-II seesaw model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 6 2019, no. 8., Registrované v: WOS

99. [1.1] QUEIROZ, F.S. - YAGUNA, C.E. Gamma-ray lines may reveal the CP nature of the dark matter particle. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, JAN 2019, no. 1., Registrované v: WOS

100. [1.1] RIZZO, Thomas G. Kinetic mixing, dark photons and an extra dimension. Part I. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 118., Registrované v: WOS

101. [1.1] RUETER, T.D. - RIZZO, T.G. Towards a UV model of kinetic mixing and portal matter. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 24 2020, vol. 101, no. 1., Registrované v: WOS
102. [1.1] SABTI, N. - ALVEY, J. - ESCUDERO, M. - FAIRBAIRN, M. - BLAS, D. Refined bounds on MeV-scale thermal dark sectors from BBN and the CMB. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, JAN 2020, no. 1., Registrované v: WOS
103. [1.1] SCHMALTZ, M. - ZHONG, Y.M. The leptoquark Hunter's guide: large coupling. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 15 2019, no. 1., Registrované v: WOS
104. [1.1] SMARANDA, D.D. - MILLER, D.J. Scherk-Schwarz orbifolds at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS
105. [1.1] SOKOLENKO, Anastasia - BONDARENKO, Kyrylo - BOYARSKY, Alexey - SHCHUTSKA, Lesya. Connection between diphoton and triboson channels in new physics searches. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 787, pp. 23-29., Registrované v: WOS
106. [1.1] SONNEVELD, Jory. Searches for physics beyond the standard model at the LHC. In AFRICAN REVIEW OF PHYSICS. ISSN 2223-6589, 2018, vol. 13, pp. 96-102., Registrované v: WOS
107. [1.1] TREVISANI, Nicola. Collider Searches for Dark Matter (ATLAS. In UNIVERSE. ISSN 2218-1997, 2018, vol. 4, no. 11, art. no. 131., Registrované v: WOS
108. [1.1] TSAI, Y.L.S. - LU, C.T. - TRAN, V.Q. Confronting dark matter co-annihilation of Inert two Higgs Doublet Model with a compressed mass spectrum. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 3 2020, no. 6., Registrované v: WOS
109. [1.1] YAMANAKA, N. - IIDA, H. - NAKAMURA, A. - WAKAYAMA, M. Glueball scattering cross section in lattice SU(2) Yang-Mills theory. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 15 2020, vol. 102, no. 5., Registrované v: WOS

ADCA797 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Search for dark matter at root s=13 TeV in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. In *European Physical Journal C*, 2017, vol. 77, no. 6, art. no. 393. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na:
<https://doi.org/10.1140/epjc/s10052-017-4965-8>

Ohlasy:

1. [1.1] AHRICHE, A. - ARHRIB, A. - JUEID, A. - NASRI, S. - DE LA PUENTE, A. Mono-Higgs signature in the scotogenic model with Majorana dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, FEB 27 2020, vol. 101, no. 3., Registrované v: WOS
2. [1.1] ALVES, A. - DIAS, A.G. - LOPES, D.D. Probing ALP-sterile neutrino couplings at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 18 2020, no. 8., Registrované v: WOS
3. [1.1] ARCADI, Giorgio - GHOSH, Pradipta - MAMBRINI, Yann - PIERRE, Mathias - QUEIROZ, Farinaldo S. Z ' portal to Chern-Simons Dark

- Matter. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2017, no. 11, art. no. 020., Registrované v: WOS
4. [1.1] ARROYO-URENA, M.A. - GAITAN, R. - MARTINEZ, R. - YEMHA, J.H.M.D. Dark matter in inert doublet model with one scalar singlet and $U(1)_X$ gauge symmetry. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 28 2020, vol. 80, no. 8., Registrované v: WOS
 5. [1.1] AVILA, I.M. - DE ROMERI, V. - DUARTE, L. - VALLE, J.W.F. Phenomenology of scotogenic scalar dark matter. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 1 2020, vol. 80, no. 10., Registrované v: WOS
 6. [1.1] BAE, Kyu Jung - JUNG, Tae Hyun - PARK, Myeonghun. Spectral Decomposition of Missing Transverse Energy at Hadron Colliders. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 26, art. no. 261801., Registrované v: WOS
 7. [1.1] BELYAEV, A. Decoding the Nature of Dark Matter at Current and Future Experiments. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 25 2019, vol. 7., Registrované v: WOS
 8. [1.1] BELYAEV, A. Decoding the nature of Dark Matter at current and future experiments. In 19TH INTERNATIONAL WORKSHOP ON ADVANCED COMPUTING AND ANALYSIS TECHNIQUES IN PHYSICS RESEARCH. ISSN 1742-6588, 2020, vol. 1525., Registrované v: WOS
 9. [1.1] BELYAEV, A. - BERTUZZO, E. - BARROS, C.C. - EBOLI, O. - DI CORTONA, G.G. - IOCCO, F. - PUKHOV, A. Interplay of the LHC and non-LHC dark matter searches in the effective field theory approach. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 3 2019, vol. 99, no. 1., Registrované v: WOS
 10. [1.1] BERTONE, Gianfranco - BOZORGNI, Nassim - KIM, Jong Soo - LIEM, Sebastian - MCCABE, Christopher - OTTEN, Sydney - RUIZ DE AUSTRI, Roberto. Identifying WIMP dark matter from particle and astroparticle data. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 3, art. no. 026., Registrované v: WOS
 11. [1.1] BHATTACHARYA, S. - GHOSH, P. - SAHOO, N. - SAHU, N. Mini Review on Vector-Like Leptonic Dark Matter, Neutrino Mass, and Collider Signatures. In FRONTIERS IN PHYSICS. ISSN 2296-424X, MAY 31 2019, vol. 7., Registrované v: WOS
 12. [1.1] BIONDINI, S. - VOGL, S. Coloured coannihilations: dark matter phenomenology meets non-relativistic EFTs. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 4 2019, no. 2., Registrované v: WOS
 13. [1.1] CAO, Q.H. - WEI, A.K. - XIANG, Q.F. Dark matter search at colliders and neutrino floor. In CHINESE PHYSICS C. ISSN 1674-1137, NOV 2020, vol. 44, no. 11., Registrované v: WOS
 14. [1.1] DIENES, Keith R. - KUMAR, Jason - THOMAS, Brooks - YAYLALI, David. Off-diagonal dark-matter phenomenology: Exploring enhanced complementarity relations in nonminimal dark sectors. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 115009., Registrované v: WOS
 15. [1.1] DUARTE, L. - DIAS, M. - DE CAMPOS, F. A tutorial approach on mass dimension one fermions phenomenological analysis. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355,

- SEP 2020, vol. 229, no. 11, SI, p. 2133-2146., Registrované v: WOS
16. [1.1] ELLIS, John - FOWLIE, Andrew - MARZOLA, Luca - RAIDAL, Martti. Statistical analyses of Higgs- and Z-portal dark matter models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115014., Registrované v: WOS
17. [1.1] FORTE, S. - LEVY, A. - RIDOLFI, G. From My Vast Repertoire ... Guido Altarelli's Legacy Preface. In FROM MY VAST REPERTOIRE ... : GUIDO ALTARELLI'S LEGACY. 2019, p. V-+., Registrované v: WOS
18. [1.1] FRASER, Sean - HEKTOR, Andi - HUTSI, Gert - KANNIKE, Kristjan - MARZO, Carlo - MARZOLA, Luca - RACIOPPI, Antonio - RAIDAL, Martti - SPETHMANN, Christian - VASKONEN, Ville - VEERMAE, Hardi. The EDGES 21 cm anomaly and properties of dark matter. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 785, pp. 159-164., Registrované v: WOS
19. [1.1] GHOSH, D.K. - KATAYOSE, T. - MATSUMOTO, S. - SAHA, I. - SHIRAI, S. - TANABE, T. Role of future lepton colliders for fermionic Z-portal dark matter models. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 10 2020, vol. 101, no. 1., Registrované v: WOS
20. [1.1] HEURTIER, L. - PARTOUCHE, H.E. Spontaneous freeze out of dark matter from an early thermal phase transition. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 19 2020, vol. 101, no. 4., Registrované v: WOS
21. [1.1] MAGILL, Gabriel - PLESTID, Ryan - POSPELOV, Maxim - TSAI, Yu-Dai. Dipole portal to heavy neutral leptons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115015., Registrované v: WOS
22. [1.1] MAHBUBANI, Rakhi - ZURITA, Jose. Probing compressed dark sectors at 100 TeV in the dileptonic mono-Z channel. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 092., Registrované v: WOS
23. [1.1] PRIMULANDO, Reinard - UTTAYARAT, Patipan. Dark matter-neutrino interaction in light of collider and neutrino telescope data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 026., Registrované v: WOS
24. [1.1] SOKOLENKO, Anastasia - BONDARENKO, Kyrylo - BOYARSKY, Alexey - SHCHUTSKA, Lesya. Connection between diphoton and triboson channels in new physics searches. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 787, pp. 23-29., Registrované v: WOS

ADCA798 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCÉI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. In *Journal of High Energy Physics*, 2013, vol. 2013, no. 4, art. no. 075. (2012: 5.618 - IF, 1.475 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP04\(2013\)075](https://doi.org/10.1007/JHEP04(2013)075)

Ohlasy:

1. [1.1] ABAZAJIAN, Kevork N. - KEELEY, Ryan E. Bright gamma-ray Galactic Center excess and dark dwarfs: Strong tension for dark matter annihilation despite Milky Way halo profile and diffuse emission

- uncertainties. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 8, art. no. 083514., Registrované v: WOS
2. [1.1] ARAKAWA, J. - RAJARAMAN, A. - TAIT, T.M.P. Emergent Solution to the Strong CP Problem. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, OCT 16 2019, vol. 123, no. 16., Registrované v: WOS
3. [1.1] BLUMENTHAL, Jan - GRETSKOV, Pavel - KRAEMER, Michael - WIEBUSCH, Christopher. Effective field theory interpretation of searches for dark matter annihilation in the Sun with the IceCube Neutrino Observatory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 3, art. no. 035002., Registrované v: WOS
4. [1.1] BOTHMANN, Enrico - FERRARESE, Piero - KRAUSS, Frank - KUTTIMALAI, Silvan - SCHUMANN, Steffen - THOMPSON, Jennifer. Aspects of perturbative QCD at a 100 TeV future hadron collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 034007., Registrované v: WOS
5. [1.1] BRAMANTE, Joseph - ELAHI, Fatemeh. Higgs portals to pulsar collapse. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 11, art. no. 115001., Registrované v: WOS
6. [1.1] DIENES, Keith R. - KUMAR, Jason - THOMAS, Brooks - YAYLALI, David. Dark-Matter Decay as a Complementary Probe of Multicomponent Dark Sectors. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 5, art. no. 051301., Registrované v: WOS
7. [1.1] FABBRICHESI, Marco - URBANO, Alfredo. Naturalness redux: The case of the neutrino seesaw mechanism. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 1, art. no. 015028., Registrované v: WOS
8. [1.1] FUNK, Stefan. Ground- and Space-Based Gamma-Ray Astronomy. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 65. ISSN 0163-8998, 2015, vol. 65, pp. 245-+, Registrované v: WOS
9. [1.1] FUNK, Stefan. Indirect detection of dark matter with gamma rays. In PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. ISSN 0027-8424, 2015, vol. 112, no. 40, pp. 12264-12271., Registrované v: WOS
10. [1.1] HAN, Chengcheng - LI, Ruibo - PAN, Ren-Qi - WANG, Kai. Searching for the light Higgsinos in the MSSM at future e-p colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115003., Registrované v: WOS
11. [1.1] HOOPER, Dan. Z' mediated dark matter models for the Galactic Center gamma-ray excess. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 035025., Registrované v: WOS
12. [1.1] CHARLES, E. - SANCHEZ-CONDE, M. - ANDERSON, B. - CAPUTO, R. - CUOCO, A. - DI MAURO, M. - DRLICA-WAGNER, A. - GOMEZ-VARGAS, G. A. - MEYER, M. - TIBALDO, L. - WOOD, M. - ZAHARIJAS, G. - ZIMMER, S. - AJELLO, M. - ALBERT, A. - BALDINI, L. - BECHTOL, K. - BLOOM, E. D. - CERAUDO, F. - COHEN-TANUGI, J. - DIGEL, S. W. - GASKINS, J. - GUSTAFSSON, M. - MIRABAL, N. - RAZZANO, M. Sensitivity projections for dark matter searches with the Fermi large area telescope. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2016, vol. 636, pp. 1-46., Registrované v: WOS

13. [1.1] CHOI, Seong Youl - HAN, Tao - KALINOWSKI, Jan - ROLBIECKI, Krzysztof - WANG, Xing. Characterizing invisible electroweak particles through single-photon processes at high energy $e(+)e(-)$ colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 095006., Registrované v: WOS
14. [1.1] KARWIN, Christopher - MURGIA, Simona - TAIT, Tim M. P. - PORTER, Troy A. - TANEDO, Philip. Dark matter interpretation of the Fermi-LAT observation toward the Galactic Center. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 10, art. no. 103005., Registrované v: WOS
15. [1.1] KUMAR, Jason - MARFATIA, Danny - YAYLALI, David. Vector dark matter at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095027., Registrované v: WOS
16. [1.1] MARZOLA, Luca - URBAN, Federico R. Ultra High Energy Cosmic Rays & Super-heavy Dark Matter Observables and prospect of (non)detection. In ASTROPARTICLE PHYSICS. ISSN 0927-6505, 2017, vol. 93, pp. 56-69., Registrované v: WOS
17. [1.1] MENCI, N. - MERLE, A. - TOTZAUER, M. - SCHNEIDER, A. - GRAZIAN, A. - CASTELLANO, M. - SANCHEZ, N. G. Fundamental Physics with the Hubble Frontier Fields: Constraining Dark Matter Models with the Abundance of Extremely Faint and Distant Galaxies. In ASTROPHYSICAL JOURNAL. ISSN 0004-637X, 2017, vol. 836, no. 1, art. no. 61., Registrované v: WOS
18. [1.1] MORGANTE, Enrico. Simplified Models. In ASPECTS OF WIMP DARK MATTER SEARCHES AT COLLIDERS AND OTHER PROBES. ISSN 2190-5053, 2017, pp. 125-141., Registrované v: WOS
19. [1.1] OKADA, Hiroshi - ORIKASA, Yuta - TOMA, Takashi. Nonthermal dark matter models and signals. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055007., Registrované v: WOS
20. [1.1] RAJARAMAN, A. - SMOLINSKY, J. SELF-INTERACTING DARK MATTER WITH A NEUTRINOPHILIC SCALAR MEDIATOR. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2020, vol. 51, no. 9, p. 1827-1839., Registrované v: WOS
21. [1.1] ROSZKOWSKI, Leszek - TROJANOWSKI, Sebastian - TURZYNSKI, Krzysztof. Towards understanding thermal history of the Universe through direct and indirect detection of dark matter. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2017, no. 10, art. no. 005., Registrované v: WOS
22. [1.1] TATA, Xerxes. Supersymmetry: aspirations and prospects. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 10, art. no. 108001., Registrované v: WOS
23. [1.1] TOLOS, Laura - SCHAFFNER-BIELICH, Juergen. Dark compact planets. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 12, art. no. 123002., Registrované v: WOS
24. [1.1] TULIN, Sean - YU, Hai-Bo. Dark matter self-interactions and small scale structure. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2018, vol. 730, pp. 1-57., Registrované v: WOS
25. [1.1] WANG, X.D. - QI, B. - YANG, G.L. - ZHANG, N.B. Possible maximum mass of dark matter existing in compact stars based on the self-interacting fermionic model. In INTERNATIONAL JOURNAL OF

ADCA799 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for Dark Matter Candidates and Large Extra Dimensions in Events with a Photon and Missing Transverse Momentum in pp Collision Data at root s=7 TeV with the ATLAS Detector. In *Physical Review Letters*, 2013, vol. 110, no. 1, art. no. 011802. (2012: 7.943 - IF, Q1 - JCR, 6.292 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.110.011802>

Ohlasy:

1. [1.1] ABDALLAH, W. - FIASCHI, J. - KHALIL, S. - MORETTI, S. Z'-induced invisible right-handed sneutrino decays at the LHC. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 055029., Registrované v: WOS
2. [1.1] ABDALLAH, W. - FIASCHI, J. - KHALIL, S. - MORETTI, S. Mono-jet, photon and Z signals of a supersymmetric (B L) model at the Large Hadron Collider. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2016, no. 2, art. no. 157., Registrované v: WOS
3. [1.1] ANAGNOSTOU, Georgios. Beyond two generations. In *4TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS*. ISSN 2100-014X, 2016, vol. 126, art. no. UNSP 04001., Registrované v: WOS
4. [1.1] BASIRNIA, Aria - MACALUSO, Sebastian - SHIH, David. Dark matter and the Higgs in natural SUSY. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2017, no. 3, art. no. 073., Registrované v: WOS
5. [1.1] BRUN, Pierre - COHEN-TANUGI, Johann. High-energy gamma-ray sources of cosmological origin. In *COMPTES RENDUS PHYSIQUE*. ISSN 1631-0705, 2016, vol. 17, no. 6, pp. 649-662., Registrované v: WOS
6. [1.1] BUSONI, Giorgio - DE SIMONE, Andrea - JACQUES, Thomas - MORGANTE, Enrico - RIOTTO, Antonio. Making the most of the relic density for dark matter searches at the LHC 14 TeV Run. In *JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS*. ISSN 1475-7516, 2015, no. 3, art. no. 022., Registrované v: WOS
7. [1.1] DAHIA, F. - LEMOS, A. S. Constraints on extra dimensions from atomic spectroscopy. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 94, no. 8, art. no. 084033., Registrované v: WOS
8. [1.1] DAHIA, F. - LEMOS, A. S. Is the proton radius puzzle evidence of extra dimensions? In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2016, vol. 76, no. 8, art. no. 435., Registrované v: WOS
9. [1.1] DAHIA, F. - MACIEL, E. - LEMOS, A. S. Rydberg states of hydrogenlike ions in a braneworld model. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 526., Registrované v: WOS
10. [1.1] FUKS, Benjamin - RUIZ, Richard. A comprehensive framework for studying W' and Z' bosons at hadron colliders with automated jet veto resummation. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2017, no. 5, art. no. 032., Registrované v: WOS
11. [1.1] GATO-RIVERA, Beatriz. Constraining extra space dimensions

- using precision molecular spectroscopy. In 7TH INTERNATIONAL WORKSHOP DICE2014 SPACETIME MATTER QUANTUM MECHANICS. ISSN 1742-6588, 2015, vol. 626, art. no. 012052., Registrované v: WOS
12. [1.1] HESARI, Hoda - NAJAFABADI, Mojtaba Mohammadi. Direct photon production as a probe of quarks chromoelectric and chromomagnetic dipole moments at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 057502., Registrované v: WOS
13. [1.1] CHOUDHURY, Sayantan - DASGUPTA, Arnab. Effective field theory of dark matter from membrane inflationary paradigm. In PHYSICS OF THE DARK UNIVERSE. ISSN 2212-6864, 2016, vol. 13, pp. 35-65., Registrované v: WOS
14. [1.1] KHATUN, Amina - LAHA, Ranjan - AGARWALLA, Sanjib Kumar. Indirect searches of Galactic diffuse dark matter in INO-MagICAL detector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 6, art. no. 057., Registrované v: WOS
15. [1.1] MERLE, Alexander - SCHNEIDER, Aurel. Production of Sterile Neutrino dark matter and the 3.5 keV line. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 749, pp. 283-288., Registrované v: WOS
16. [1.1] MIMASU, Ken - SANZ, Veronica. ALPs at colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 173., Registrované v: WOS
17. [1.1] NO, Jose Miguel. Looking through the pseudoscalar portal into dark matter: Novel mono-Higgs and mono-Z signatures at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 031701., Registrované v: WOS
18. [1.1] POTTGEN, Ruth. Mono-Jet Events as Dark Matter Signature at Colliders. In SEARCH FOR DARK MATTER WITH ATLAS: USING EVENTS WITH A HIGHLY ENERGETIC JET AND MISSING TRANSVERSE MOMENTUM IN PROTON-PROTON COLLISIONS AT $(\text{SQUARE ROOT})S = 8 \text{ TEV}$. ISSN 2190-5053, 2016, pp. 61-72., Registrované v: WOS
19. [1.1] RACCO, Davide - WULZER, Andrea - ZWIRNER, Fabio. Robust collider limits on heavy-mediator Dark Matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 5, art. no. 009., Registrované v: WOS
20. [1.1] RATTI, M. G. Search for Dark Matter in events with a high- $p(T)$ photon and high missing transverse momentum in ATLAS. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2016, vol. 39, no. 1, art. no. 213., Registrované v: WOS
21. [1.1] RICCIARDI, Giulia - ARBEY, Alexandre - BERTUZZO, Enrico - CARMONA, Adrian - DERMISEK, Radovan - HUBER, Tobias - HURTH, Tobias - GROSSMAN, Yuval - KERSTEN, Jorn - LUNGHI, Enrico - MAHMOUDI, Farvah - MASIERO, Antonio - NEUBERT, Matthias - SHEPHERD, William - VELASCO-SEVILLA, Liliana. Flavour, electroweak symmetry breaking and dark matter: state of the art and future prospects. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2015, vol. 130, no. 10, art. no. 209., Registrované v: WOS
22. [1.1] SALUMBIDES, E. J. - SCHELLEKENS, A. N. - GATO-RIVERA, B. - UBACHS, W. Constraints on extra dimensions from

- precision molecular spectroscopy. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, art. no. 033015., Registrované v: WOS
23. [1.1] TACKMANN, Frank J. - WAALEWIJN, Wouter J. - ZEUNE, Lisa. Holographic Lifshitz fermions and exponentially suppressed spectral weight. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art. no. 119., Registrované v: WOS
24. [1.1] TACKMANN, Frank J. - WAALEWIJN, Wouter J. - ZEUNE, Lisa. Impact of jet veto resummation on slepton searches. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art. no. 119., Registrované v: WOS
25. [1.1] TATA, Xerxes. Supersymmetry: aspirations and prospects. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 10, art. no. 108001., Registrované v: WOS
26. [1.1] UNDAGOITIA, Teresa Marrodan - RAUCH, Ludwig. Dark matter direct-detection experiments. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 1, art. no. 013001., Registrované v: WOS

ADCA800 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for dark matter in association with a Higgs boson decaying to two photons at root s=13 TeV with the ATLAS detector. In *Physical Review D*, 2017, vol. 96, no. 11, art. no. 112004. (2016: 4.557 - IF, Q1 - JCR, 2.115 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.96.112004>

Ohlasy:

1. [1.1] AHRICHE, A. - ARHRIB, A. - JUEID, A. - NASRI, S. - DE LA PUENTE, A. Mono-Higgs signature in the scotogenic model with Majorana dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 27 2020, vol. 101, no. 3., Registrované v: WOS
2. [1.1] ALVES, A. - GHOSH, T. - QUEIROZ, F.S. Dark and bright signatures of di-Higgs boson production. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 26 2019, vol. 100, no. 3., Registrované v: WOS
3. [1.1] HEURTIER, L. - PARTOUCHE, H.E. Spontaneous freeze out of dark matter from an early thermal phase transition. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 19 2020, vol. 101, no. 4., Registrované v: WOS
4. [1.1] IGURO, S. - KITAHARA, T. Implications for new physics from a novel puzzle in $(B\text{over-bar}(s))(0) \rightarrow D\text{-(s)}(*) (\pi(-), K\text{-(}) decays. In PHYSICAL REVIEW D. ISSN 1550-7998, OCT 19 2020, vol. 102, no. 7., Registrované v: WOS$
5. [1.1] LEANE, Rebecca K. - SLATYER, Tracy R. - BEACOM, John F. - NG, Kenny C. Y. GeV-scale thermal WIMPs: Not even slightly ruled out. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 2, art. no. 023016., Registrované v: WOS
6. [1.1] PENNING, Bjoern. The pursuit of dark matter at colliders-an overview. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 6, art. no. 063001., Registrované v: WOS
7. [1.1] TREVISANI, Nicola. Collider Searches for Dark Matter

(ATLAS. In UNIVERSE. ISSN 2218-1997, 2018, vol. 4, no. 11, art. no. 131.,
Registrované v: WOS

ADCA801 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. -
BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for dark
matter in association with a Higgs boson decaying to b-quarks in pp collisions at
root s=13 TeV with the ATLAS detector. In *Physics Letters B*, 2017, vol. 765, p.
11-31. (2016: 4.807 - IF, Q1 - JCR, 3.032 - SJR, Q1 - SJR, Current Contents -
CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na:
<https://doi.org/10.1016/j.physletb.2016.11.035>

Ohlasy:

1. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. -
MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of
heavy Higgs bosons decaying invisibly at the LHC. In *NUCLEAR PHYSICS B*.
ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS
2. [1.1] BALAZS, Csaba - CONRAD, Jan - FARMER, Ben -
JACQUES, Thomas - LI, Tong - MEYER, Manuel - QUEIROZ, Farinaldo S. -
SANCHEZ-CONDE, Miguel A. Sensitivity of the Cherenkov Telescope Array to
the detection of a dark matter signal in comparison to direct detection and collider
experiments. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 96, no. 8,
art. no. 083002., Registrované v: WOS
3. [1.1] BAUER, Martin - HAISCH, Ulrich - KAHLHOEFER, Felix.
Simplified dark matter models with two Higgs doublets: I. Pseudoscalar
mediators. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479,
2017, no. 5, art. no. 138., Registrované v: WOS
4. [1.1] BAUM, Sebastian - SHAH, Nausheen R. Two Higgs doublets
and a complex singlet: disentangling the decay topologies and associated
phenomenology. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN
1029-8479, 2018, no. 12, art. no. 044., Registrované v: WOS
5. [1.1] BELL, Nicole F. - BUSONI, Giorgio - SANDERSON, Isaac W.
Two Higgs doublet dark matter portal. In *JOURNAL OF COSMOLOGY AND
ASTROPARTICLE PHYSICS*. ISSN 1475-7516, 2018, no. 1, art. no. 015.,
Registrované v: WOS
6. [1.1] BERNAL, Nicolas - HEIKINHEIMO, Matti - TENKANEN,
Tommi - TUOMINEN, Kimmo - VASKONEN, Ville. The dawn of FIMP Dark
Matter: A review of models and constraints. In *INTERNATIONAL JOURNAL
OF MODERN PHYSICS A*. ISSN 0217-751X, 2017, vol. 32, no. 27, art. no.
1730023., Registrované v: WOS
7. [1.1] BIONDINI, S. - VOGL, S. Coloured coannihilations: dark
matter phenomenology meets non-relativistic EFTs. In *JOURNAL OF HIGH
ENERGY PHYSICS*. ISSN 1029-8479, FEB 4 2019, no. 2., Registrované v:
WOS
8. [1.1] DIENES, Keith R. - KUMAR, Jason - THOMAS, Brooks -
YAYLALI, David. Off-diagonal dark-matter phenomenology: Exploring
enhanced complementarity relations in nonminimal dark sectors. In *PHYSICAL
REVIEW D*. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 115009.,
Registrované v: WOS
9. [1.1] DUERR, Michael - GROHSJEAN, Alexander -
KAHLHOEFER, Felix - PENNING, Bjoern - SCHMIDT-HOBERG, Kai -
SCHWANENBERGER, Christian. Hunting the dark Higgs. In *JOURNAL OF*

HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, art. no. 143.,
Registrované v: WOS

10. [1.1] GHOSHAL, A. Scalar dark matter probes the scale of
nonlocality. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A.
ISSN 0217-751X, AUG 30 2019, vol. 34, no. 24., Registrované v: WOS

11. [1.1] KAHLHOEFER, Felix. Review of LHC dark matter searches. In
INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X,
2017, vol. 32, no. 13, art. no. 1730006., Registrované v: WOS

12. [1.1] KRAML, Sabine - LAA, Ursula - MAWATARI, Kentarou -
YAMASHITA, Kimiko. Simplified dark matter models with a spin-2 mediator at
the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017,
vol. 77, no. 5, art. no. 326., Registrované v: WOS

13. [1.1] LEANE, Rebecca K. - SLATYER, Tracy R. - BEACOM, John
F. - NG, Kenny C. Y. GeV-scale thermal WIMPs: Not even slightly ruled out. In
PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 2, art. no. 023016.,
Registrované v: WOS

14. [1.1] POBBE, Federico - WULZER, Andrea - ZANETTI, Marco.
Setting limits on Effective Field Theories: the case of Dark Matter. In JOURNAL
OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 074.,
Registrované v: WOS

ADCA802 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol.

Search for dark matter in events with a Z boson and missing transverse momentum
in pp collisions at root s=8 TeV with the ATLAS detector. In *Physical Review D.
Particles, fields, gravitation and cosmology*, 2014, vol. 90, no. 1, art. no. 012004.
(2013: 4.864 - IF, Q1 - JCR, 2.482 - SJR, Q1 - SJR, Current Contents - CCC). (2014
- Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na:
<https://doi.org/10.1103/PhysRevD.90.012004>

Ohlasy:

1. [1.1] ABDALLAH, W. - FIASCHI, J. - KHALIL, S. - MORETTI, S.
Z'-induced invisible right-handed sneutrino decays at the LHC. In PHYSICAL
REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 055029.,
Registrované v: WOS

2. [1.1] BARMAN, Rahool Kumar - BHATTACHERJEE, Biplob -
CHAKRABORTY, Amit - CHOUDHURY, Arghya. Study of MSSM heavy
Higgs bosons decaying into charginos and neutralinos. In PHYSICAL REVIEW
D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075013., Registrované v: WOS

3. [1.1] BAUDIS, Laura. Dark matter detection. In JOURNAL OF
PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016,
vol. 43, no. 4, art. no. 044001., Registrované v: WOS

4. [1.1] BAUDIS, Laura. Dark matter searches. In ANNALEN DER
PHYSIK. ISSN 0003-3804, 2016, vol. 528, no. 1-2, pp. 74-83., Registrované v:
WOS

5. [1.1] BELANGER, Genevieve - DUMONT, Beranger - GOUDELIS,
Andreas - HERRMANN, Bjoern - KRAML, Sabine - SENGUPTA, Dipan.
Dilepton constraints in the inert doublet model from Run 1 of the LHC. In
PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no.
115011., Registrované v: WOS

6. [1.1] BERNAL, Nicolas - HEIKINHEIMO, Matti - TENKANEN,
Tommi - TUOMINEN, Kimmo - VASKONEN, Ville. The dawn of FIMP Dark

Matter: A review of models and constraints. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 27, art. no. 1730023., Registrované v: WOS

7. [1.1] BHATTACHERJEE, B. - KHAN, N. - PATRA, A. Anatomy of heavy gauge bosons in a left-right supersymmetric model. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 10 2019, vol. 100, no. 7., Registrované v: WOS

8. [1.1] BOUCENNA, Sofiane M. - KRAUSS, Martin B. - NARDI, Enrico. Minimal asymmetric dark matter. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 748, pp. 191-198., Registrované v: WOS

9. [1.1] BRAX, Philippe - BURRAGE, Clare - ENGLERT, Christoph. Disformal dark energy at colliders. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 4, art. no. 044036., Registrované v: WOS

10. [1.1] BRAX, Philippe - BURRAGE, Clare - ENGLERT, Christoph - SPANNOWSKY, Michael. LHC signatures of scalar dark energy. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 8, art. no. 084054., Registrované v: WOS

11. [1.1] CAHILL-ROWLEY, Matthew - EL HEDRI, Sonia - SHEPHERD, William - WALKER, Devin G. E. Perturbative unitarity constraints on charged/colored portals. In PHYSICS OF THE DARK UNIVERSE. ISSN 2212-6864, 2018, vol. 22, pp. 48-59., Registrované v: WOS

12. [1.1] CERMENO, Marina - ANGELES PEREZ-GARCIA, M. - SILK, Joseph. Diffusion of dark matter in a hot and dense nuclear environment. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 2, art. no. 023509., Registrované v: WOS

13. [1.1] CRIVELLIN, Andreas - HAISCH, Ulrich - HIBBS, Anthony. LHC constraints on gauge boson couplings to dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 7, art. no. 074028., Registrované v: WOS

14. [1.1] DE SIMONE, Andrea - JACQUES, Thomas. Simplified models vs. effective field theory approaches in dark matter searches. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 7, art. no. 367., Registrované v: WOS

15. [1.1] DENT, James B. - KRAUSS, Lawrence M. - NEWSTEAD, Jayden L. - SABHARWAL, Subir. General analysis of direct dark matter detection: From microphysics to observational signatures. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 6, art. no. 063515., Registrované v: WOS

16. [1.1] EL HEDRI, Sonia - SHEPHERD, William - WALKER, Devin G. E. Perturbative unitarity constraints on gauge portals. In PHYSICS OF THE DARK UNIVERSE. ISSN 2212-6864, 2017, vol. 18, pp. 127-135., Registrované v: WOS

17. [1.1] ENGLERT, Christoph - JAECKEL, Joerg. Getting stuck! Using monosignatures to test highly ionizing particles. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 769, pp. 513-519., Registrované v: WOS

18. [1.1] ESMAILI, Arman - KHATIBI, Sara - NAJAFABADI, Mojtaba Mohammadi. Constraining the monochromatic gamma-rays from dark matter annihilation by the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015027., Registrované v: WOS

19. [1.1] GAUY, H.M. - RAMOS-CARO, J. PPN rotation curves in static

- distributions with spherical symmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 24 2020, vol. 102, no. 10., Registrované v: WOS
20. [1.1] GHORBANI, Karim - KHALKHALI, Leila. Mono-Higgs signature in a fermionic dark matter model. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 10, art. no. 105004., Registrované v: WOS
21. [1.1] IZAGUIRRE, Eder - KRNJAIC, Gordan - SHUVE, Brian. Discovering inelastic thermal relic dark matter at colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 6, art. no. 063523., Registrované v: WOS
22. [1.1] KUMAR, Jason - MARFATIA, Danny - YAYLALI, David. Vector dark matter at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095027., Registrované v: WOS
23. [1.1] MORGANTE, Enrico. The EFT Approach and Its Validity. In ASPECTS OF WIMP DARK MATTER SEARCHES AT COLLIDERS AND OTHER PROBES. ISSN 2190-5053, 2017, pp. 97-123., Registrované v: WOS
24. [1.1] NO, Jose Miguel. Looking through the pseudoscalar portal into dark matter: Novel mono-Higgs and mono-Z signatures at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 031701., Registrované v: WOS
25. [1.1] ROSZKOWSKI, Leszek - SESSOLO, Enrico Maria - TROJANOWSKI, Sebastian. WIMP dark matter candidates and searches-current status and future prospects. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2018, vol. 81, no. 6, art. no. 066201., Registrované v: WOS

ADCA803 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for dark matter in events with a hadronically decaying vector boson and missing transverse momentum in pp collisions at root s=13 TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2018, no. 10, art. no. 180. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP10\(2018\)180](https://doi.org/10.1007/JHEP10(2018)180)

Ohlasy:

1. [1.1] BHARDWAJ, A. - KONAR, P. - MANDAL, T. - SADHUKHAN, S. Probing the inert doublet model using jet substructure with a multivariate analysis. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 30 2019, vol. 100, no. 5., Registrované v: WOS
2. [1.1] BLANCO, C. - DELOS, M.S. - ERICKCEK, A.L. - HOOPER, D. Annihilation signatures of hidden sector dark matter within early-forming microhalos. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 14 2019, vol. 100, no. 10., Registrované v: WOS
3. [1.1] CAO, J.J. - JIA, X.L. - YUE, Y.F. - ZHOU, H.J. - ZHU, P.X. 96 GeV diphoton excess in seesaw extensions of the natural NMSSM. In PHYSICAL REVIEW D. ISSN 1550-7998, MAR 5 2020, vol. 101, no. 5., Registrované v: WOS
4. [1.1] KANG, Y.J. - LEE, H.M. Lightning gravity-mediated dark matter. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 3 2020, vol. 80, no. 7., Registrované v: WOS

Search for Dark Matter in Events with a Hadronically Decaying W or Z Boson and Missing Transverse Momentum in pp Collisions at $\sqrt{s}=8$ TeV with the ATLAS Detector. In *Physical Review Letters*, 2014, vol. 112, no. 4, art. no. 041802. (2013: 7.728 - IF, Q1 - JCR, 5.674 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.112.041802>

Ohlasy:

1. [1.1] ALTMANNSHOFER, W. - TAMMARO, M. - ZUPAN, J. Non-standard neutrino interactions and low energy experiments. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 11 2019, no. 9., Registrované v: WOS
2. [1.1] ARBEY, A. - BOUDAUD, M. - MAHMOUDI, F. - ROBBINS, G. Robustness of dark matter constraints and interplay with collider searches for New Physics. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 11, art. no. 132., Registrované v: WOS
3. [1.1] BASSO, Lorenzo. Resonant mono Higgs at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 087., Registrované v: WOS
4. [1.1] BAUER, Martin - COHEN, Timothy - HILL, Richard J. - SOLON, Mikhail P. Soft collinear effective theory for heavy WIMP annihilation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 1, art. no. 099., Registrované v: WOS
5. [1.1] BELL, Nicole F. - BUSONI, Giorgio - SANDERSON, Isaac W. Two Higgs doublet dark matter portal. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 1, art. no. 015., Registrované v: WOS
6. [1.1] BELL, Nicole F. - CAI, Yi - DENT, James B. - LEANE, Rebecca K. - WEILER, Thomas J. Dark matter at the LHC: Effective field theories and gauge invariance. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 053008., Registrované v: WOS
7. [1.1] BELL, Nicole F. - CAI, Yi - LEANE, Rebecca K. Mono-W dark matter signals at the LHC: simplified model analysis. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2016, no. 1, art. no. 051., Registrované v: WOS
8. [1.1] BERNAL, Nicolas - HEIKINHEIMO, Matti - TENKANEN, Tommi - TUOMINEN, Kimmo - VASKONEN, Ville. The dawn of FIMP Dark Matter: A review of models and constraints. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 27, art. no. 1730023., Registrované v: WOS
9. [1.1] BODDY, Kimberly K. - KUMAR, Jason. Indirect detection of dark matter using MeV-range gamma-ray telescopes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 2, art. no. 023533., Registrované v: WOS
10. [1.1] BOUCENNA, Sofiane M. - KRAUSS, Martin B. - NARDI, Enrico. Minimal asymmetric dark matter. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 748, pp. 191-198., Registrované v: WOS
11. [1.1] BRAMANTE, Joseph - ELAHI, Fatemeh. Higgs portals to pulsar collapse. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 11, art. no. 115001., Registrované v: WOS
12. [1.1] BUSONI, Giorgio - DE SIMONE, Andrea - JACQUES, Thomas

- MORGANTE, Enrico - RIOTTO, Antonio. Making the most of the relic density for dark matter searches at the LHC 14 TeV Run. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2015, no. 3, art. no. 022., Registrované v: WOS

13. [1.1] CLERBAUX, Barbara. Highlights on searches for supersymmetry and exotic models. In COMPTES RENDUS PHYSIQUE. ISSN 1631-0705, 2015, vol. 16, no. 4, pp. 407-423., Registrované v: WOS

14. [1.1] CRIVELLIN, Andreas - HAISCH, Ulrich - HIBBS, Anthony. LHC constraints on gauge boson couplings to dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 7, art. no. 074028., Registrované v: WOS

15. [1.1] DE SIMONE, Andrea - JACQUES, Thomas. Simplified models vs. effective field theory approaches in dark matter searches. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 7, art. no. 367., Registrované v: WOS

16. [1.1] DENT, James B. - KRAUSS, Lawrence M. - NEWSTEAD, Jayden L. - SABHARWAL, Subir. General analysis of direct dark matter detection: From microphysics to observational signatures. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 6, art. no. 063515., Registrované v: WOS

17. [1.1] DIENES, Keith R. - KUMAR, Jason - THOMAS, Brooks - YAYLALI, David. Dark-Matter Decay as a Complementary Probe of Multicomponent Dark Sectors. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 5, art. no. 051301., Registrované v: WOS

18. [1.1] DING, Ran - HAN, Zhi-Long - LIAO, Yi - XIE, Wan-Peng. Radiative neutrino mass with $Z(3)$ dark matter: from relic density to LHC signatures. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 030., Registrované v: WOS

19. [1.1] EL HEDRI, Sonia - SHEPHERD, William - WALKER, Devin G. E. Perturbative unitarity constraints on gauge portals. In PHYSICS OF THE DARK UNIVERSE. ISSN 2212-6864, 2017, vol. 18, pp. 127-135., Registrované v: WOS

20. [1.1] GHORBANI, Karim - KHALKHALI, Leila. Mono-Higgs signature in a fermionic dark matter model. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 10, art. no. 105004., Registrované v: WOS

21. [1.1] GHORBANI, Karim - KHALKHALI, Leila. Mono-Higgs signature in a fermionic dark matter model. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 10, art. no. 105004., Registrované v: WOS

22. [1.1] GUPTA, Arpit - PRIMULANDO, Reinard - SARASWAT, Prashant. A new probe of dark sector dynamics at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art. no. 079., Registrované v: WOS

23. [1.1] HAISCH, Ulrich - KAHLEHOEFER, Felix - TAIT, Tim M. P. On mono-W signatures in spin-1 simplified models. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 760, pp. 207-213., Registrované v: WOS

24. [1.1] CHALA, Mikael - KAHLEHOEFER, Felix - MCCULLOUGH, Matthew - NARDINI, Germano - SCHMIDT-HOBERG, Kai. Constraining dark sectors with monojets and dijets. In JOURNAL OF HIGH ENERGY PHYSICS.

- ISSN 1029-8479, 2015, no. 7, art. no. 089., Registrované v: WOS
25. [1.1] CHOUDHURY, Arghya - KOWALSKA, Kamila - ROSZKOWSKI, Leszek - SESSOLO, Enrico Maria - WILLIAMS, Andrew J. Less-simplified models of dark matter for direct detection and the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 182., Registrované v: WOS
26. [1.1] IZAGUIRRE, Eder - KRNJAIC, Gordan - SHUVE, Brian. Discovering inelastic thermal relic dark matter at colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 6, art. no. 063523., Registrované v: WOS
27. [1.1] KO, P. - NATALE, Alexander - PARK, Myeonghun - YOKOYA, Hiroshi. Simplified DM models with the full SM gauge symmetry: the case of t-channel colored scalar mediators. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 1, art. no. 086., Registrované v: WOS
28. [1.1] KUMAR, Jason - MARFATIA, Danny - YAYLALI, David. Vector dark matter at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095027., Registrované v: WOS
29. [1.1] LIEW, Seng Pei - PAPUCCI, Michele - VICHI, Alessandro - ZUREK, Kathryu M. Mono-X versus direct searches: simplified models for dark matter at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 6, art. no. 082., Registrované v: WOS
30. [1.1] LIEW, Seng Pei - SHIRAI, Satoshi. Testing ATLAS diboson excess with dark matter searches at LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 11, art. no. 191., Registrované v: WOS
31. [1.1] LOWETTE, Steven. Accelerator searches for new physics in the context of dark matter. In XIV INTERNATIONAL CONFERENCE ON TOPICS IN ASTROPARTICLE AND UNDERGROUND PHYSICS (TAUP 2015), PTS 1-7. ISSN 1742-6588, 2016, vol. 718, art. no. UNSP 022011., Registrované v: WOS
32. [1.1] LU, Bo-Qiang - ZONG, Hong-Shi. Limits on dark matter from AMS-02 antiproton and positron fraction data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 10, art. no. 103517., Registrované v: WOS
33. [1.1] MERTEN, J. - GIOCOLI, C. - BALDI, M. - MENEGHETTI, M. - PEEL, A. - LALANDE, F. - STARCK, J.L. - PETTORINO, V. On the dissection of degenerate cosmologies with machine learning. In MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. ISSN 0035-8711, JUL 2019, vol. 487, no. 1, p. 104-122., Registrované v: WOS
34. [1.1] Mono-jet Dark Matter Interpretation. In SEARCHING FOR DARK MATTER WITH THE ATLAS DETECTOR. ISSN 2190-5053, 2017, pp. 237-265., Registrované v: WOS
35. [1.1] MORGANTE, Enrico. Dark Matter Searches at the LHC. In ASPECTS OF WIMP DARK MATTER SEARCHES AT COLLIDERS AND OTHER PROBES. ISSN 2190-5053, 2017, pp. 85-96., Registrované v: WOS
36. [1.1] NO, Jose Miguel. Looking through the pseudoscalar portal into dark matter: Novel mono-Higgs and mono-Z signatures at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 031701., Registrované v: WOS
37. [1.1] POTTGEN, Ruth. Results and Interpretation. In SEARCH FOR DARK MATTER WITH ATLAS: USING EVENTS WITH A HIGHLY

ENERGETIC JET AND MISSING TRANSVERSE MOMENTUM IN PROTON-PROTON COLLISIONS AT $(\sqrt{s}) = 8$ TEV. ISSN 2190-5053, 2016, pp. 251-276., Registrované v: WOS

38. [1.1] PRIMULANDO, Reinard - SALVIONI, Ennio - TSAI, Yuhsin. The dark penguin shines light at colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 7, art. no. 031., Registrované v: WOS

39. [1.1] RACCO, Davide - WULZER, Andrea - ZWIRNER, Fabio. Robust collider limits on heavy-mediator Dark Matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 5, art. no. 009., Registrované v: WOS

40. [1.1] RICCIARDI, Giulia - ARBEY, Alexandre - BERTUZZO, Enrico - CARMONA, Adrian - DERMISEK, Radovan - HUBER, Tobias - HURTH, Tobias - GROSSMAN, Yuval - KERSTEN, Jorn - LUNGHI, Enrico - MAHMOUDI, Farvah - MASIERO, Antonio - NEUBERT, Matthias - SHEPHERD, William - VELASCO-SEVILLA, Liliana. Flavour, electroweak symmetry breaking and dark matter: state of the art and future prospects. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2015, vol. 130, no. 10, art. no. 209., Registrované v: WOS

41. [1.1] ROSZKOWSKI, Leszek - SESSOLO, Enrico Maria - WILLIAMS, Andrew J. Prospects for dark matter searches in the pMSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 2, art. no. 014., Registrované v: WOS

42. [1.1] SANTOS, Noelia S. - SANTOS, Janilo. The virial theorem in Eddington-Born-Infeld gravity. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2015, no. 12, art. no. 002., Registrované v: WOS

43. [1.1] SCOPEL, S. - YOON, Jong-Hyun. Effective scalar four-fermion interaction for Ge-phobic exothermic dark matter and the CDMS-II silicon excess. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 015019., Registrované v: WOS

44. [1.1] UNDAGOITIA, Teresa Marrodan - RAUCH, Ludwig. Dark matter direct-detection experiments. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 1, art. no. 013001., Registrované v: WOS

ADCA805 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for dark matter in events with heavy quarks and missing transverse momentum in pp collisions with the ATLAS detector. In *European Physical Journal C*, 2015, vol. 75, no. 2, art. no. 92. (2014: 5.084 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-015-3306-z>

Ohlasy:

1. [1.1] ALVES, A. - EBOLI, O.J.P. - DI CORTONA, G.G. - MOREIRA, R.R. Indirect and monojet constraints on scalar leptoquarks. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 10 2019, vol. 99, no. 9., Registrované v: WOS

2. [1.1] ATLAS Reconstruction and Performance. In SEARCHING FOR DARK MATTER WITH THE ATLAS DETECTOR. ISSN 2190-5053,

2017, pp. 55-69., Registrované v: WOS

3. [1.1] BACKOVIC, Mihailo - KRAEMER, Michael - MALTONI, Fabio - MARTINI, Antony - MAWATARI, Kentarou - PELLEN, Mathieu. Higher-order QCD predictions for dark matter production at the LHC in simplified models with s-channel mediators. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 10, art. no. 482., Registrované v: WOS
4. [1.1] BELL, Nicole F. - BUSONI, Giorgio - SANDERSON, Isaac W. Two Higgs doublet dark matter portal. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 1, art. no. 015., Registrované v: WOS
5. [1.1] BERLIN, Asher - DIFRANZO, Anthony - HOOPER, Dan. 3.55 keV line from exciting dark matter without a hidden sector. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 7, art. no. 075018., Registrované v: WOS
6. [1.1] BERLIN, Asher - GORI, Stefania - LIN, Tongyan - WANG, Lian-Tao. Pseudoscalar portal dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 015005., Registrované v: WOS
7. [1.1] BEVILACQUA, G. - HARTANTO, H.B. - KRAUS, M. - WEBER, T. - WOREK, M. Towards constraining dark matter at the LHC: higher order QCD predictions for $t\bar{t} + Z(Z \rightarrow \nu(l)\bar{\nu}(l))$. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 4 2019, no. 11., Registrované v: WOS
8. [1.1] BUCKLEY, Matthew R. - GONCALVES, Dorival. Constraining the strength and CP structure of dark production at the LHC: The associated top-pair channel. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 034003., Registrované v: WOS
9. [1.1] DE SIMONE, Andrea - JACQUES, Thomas. Simplified models vs. effective field theory approaches in dark matter searches. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 7, art. no. 367., Registrované v: WOS
10. [1.1] DENT, James B. - KRAUSS, Lawrence M. - NEWSTEAD, Jayden L. - SABHARWAL, Subir. General analysis of direct dark matter detection: From microphysics to observational signatures. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 6, art. no. 063515., Registrované v: WOS
11. [1.1] FERRETTI, Gabriele - FRANCESCHINI, Roberto - PETERSSON, Christoffer - TORRE, Riccardo. Monojetlike Searches for Top Squarks with a b Tag. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 20, art. no. 201801., Registrované v: WOS
12. [1.1] GHORBANI, Karim - KHALKHALI, Leila. Mono-Higgs signature in a fermionic dark matter model. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 10, art. no. 105004., Registrované v: WOS
13. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS
14. [1.1] CHEN, Ning - KANG, Zhaofeng - LI, Jinmian. Missing particle associated with two bottom quarks at the LHC: Mono-b versus 2b with razor variables. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art.

no. 015003., Registrované v: WOS

15. [1.1] CHOWDHURY, Debtosh - IYER, Abhishek M. - LAHA, Ranjan. Constraints on dark matter annihilation to fermions and a photon. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 152., Registrované v: WOS

16. [1.1] IZAGUIRRE, Eder - KRNJAIC, Gordan - SHUVE, Brian. Discovering inelastic thermal relic dark matter at colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 6, art. no. 063523., Registrované v: WOS

17. [1.1] KAHLHOEFER, Felix. Review of LHC dark matter searches. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 13, art. no. 1730006., Registrované v: WOS

18. [1.1] KRAUSS, Frank - NAPOLETANO, Davide - SCHUMANN, Steffen. Simulating b-associated production of Z and Higgs bosons with the SHERPA event generator. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 036012., Registrované v: WOS

19. [1.1] LAHA, Ranjan. Directional detection of dark matter in universal bound states. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 8, art. no. 083509., Registrované v: WOS

20. [1.1] LU, Bo-Qiang - ZONG, Hong-Shi. Limits on dark matter from AMS-02 antiproton and positron fraction data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 10, art. no. 103517., Registrované v: WOS

21. [1.1] Mono-jet Dark Matter Interpretation. In SEARCHING FOR DARK MATTER WITH THE ATLAS DETECTOR. ISSN 2190-5053, 2017, pp. 237-265., Registrované v: WOS

22. [1.1] Mono-Jet Dark Matter Interpretation Signal Sample Details. In SEARCHING FOR DARK MATTER WITH THE ATLAS DETECTOR. ISSN 2190-5053, 2017, pp. 305-324., Registrované v: WOS

23. [1.1] MORGANTE, Enrico. Dark Matter Searches at the LHC. In ASPECTS OF WIMP DARK MATTER SEARCHES AT COLLIDERS AND OTHER PROBES. ISSN 2190-5053, 2017, pp. 85-96., Registrované v: WOS

24. [1.1] PRIMULANDO, Reinard - UTTAYARAT, Patipan. Dark matter-neutrino interaction in light of collider and neutrino telescope data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 026., Registrované v: WOS

25. [1.1] REN, Jing - HE, Hong-Jian. Probing gravitational dark matter. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2015, no. 3, art. no. 052., Registrované v: WOS

26. [1.1] SCHMALTZ, M. - ZHONG, Y.M. The leptoquark Hunter's guide: large coupling. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 15 2019, no. 1., Registrované v: WOS

ADCA806 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for Dark Matter in Events with Missing Transverse Momentum and a Higgs Boson Decaying to Two Photons in pp Collisions at $\sqrt{s}=8$ TeV with the ATLAS Detector. In *Physical Review Letters*, 2015, vol. 115, no. 13, art. no. 131801. (2014: 7.512 - IF, Q1 - JCR, 5.232 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.115.131801>

Ohlasy:

1. [1.1] ABDALLAH, W. - HAMMAD, A. - KHALIL, S. - MORETTI, S. Search for mono-Higgs signals at the LHC in the B L supersymmetric standard model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055019., Registrované v: WOS
2. [1.1] AHRICHE, A. - ARHRIB, A. - JUEID, A. - NASRI, S. - DE LA PUENTE, A. Mono-Higgs signature in the scotogenic model with Majorana dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 27 2020, vol. 101, no. 3., Registrované v: WOS
3. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. - MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of heavy Higgs bosons decaying invisibly at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS
4. [1.1] ARROYO-URENA, M.A. - GAITAN, R. - MARTINEZ, R. - YEMHA, J.H.M.D. Dark matter in inert doublet model with one scalar singlet and $U(1)_X$ gauge symmetry. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 28 2020, vol. 80, no. 8., Registrované v: WOS
5. [1.1] BARROS, B.J. - DANILA, B. - HARKO, T. - LOBO, F.S.N. Black hole and naked singularity geometries supported by three-form fields. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 11 2020, vol. 80, no. 7., Registrované v: WOS
6. [1.1] BAUM, Sebastian - FREESE, Katherine - SHAH, Nausheen R. - SHAKYA, Bibhushan. NMSSM Higgs boson search strategies at the LHC and the mono-Higgs signature in particular. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 1730006., Registrované v: WOS
7. [1.1] BERNAL, Nicolas - HEIKINHEIMO, Matti - TENKANEN, Tommi - TUOMINEN, Kimmo - VASKONEN, Ville. The dawn of FIMP Dark Matter: A review of models and constraints. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 27, art. no. 1730023., Registrované v: WOS
8. [1.1] HAGHANI, Zahra - HARKO, Tiberiu - SHAHIDI, Shahab. The Einstein dark energy model. In PHYSICS OF THE DARK UNIVERSE. ISSN 2212-6864, 2018, vol. 21, pp. 27-39., Registrované v: WOS
9. [1.1] KAHLHOEFER, Felix. Review of LHC dark matter searches. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 13, art. no. 1730006., Registrované v: WOS
10. [1.1] LEONARDI, R. - PANELLA, O. - ROMEO, F. - GURROLA, A. - SUN, H. - XUE, S.S. Phenomenology at the LHC of composite particles from strongly interacting Standard Model fermions via four-fermion operators of NJL type. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, APR 8 2020, vol. 80, no. 4., Registrované v: WOS
11. [1.1] LIU, Xing - HARKO, Tiberiu - LIANG, Shi-Dong. Cosmological implications of modified gravity induced by quantum metric fluctuations. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 8, art. no. 420., Registrované v: WOS
12. [1.1] NO, Jose Miguel. Looking through the pseudoscalar portal into dark matter: Novel mono-Higgs and mono-Z signatures at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 031701., Registrované v: WOS
13. [1.1] VERMEULEN, J.M. - VAN DEN BRINK, W. - DE HAAN, L.

The Unhealthy Chicken or the Unhealthy Egg: Quitting Smoking Matters: Response to Hajek et al.. In AMERICAN JOURNAL OF PSYCHIATRY. ISSN 0002-953X, JUL 2019, vol. 176, no. 7, p. 575-576., Registrované v: WOS

ADCA807 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Search for Dark Matter in Events with One Jet and Missing Transverse Energy in p (p)over-bar Collisions at root s=1.96 TeV. In *Physical Review Letters*, 2012, vol. 108, no. 21, art. no. 211804. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.108.211804>

Ohlasy:

1. [1.1] HARRIS, Philip - KHOZE, Valentin V. - SPANNOWSKY, Michael - WILLIAMS, Ciaran. Constraining dark sectors at colliders: Beyond the effective theory approach. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055009., Registrované v: WOS
2. [1.1] VINCENT, Aaron C. - SERENELLI, Aldo - SCOTT, Pat. Generalised form factor dark matter in the Sun. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2015, no. 8, art. no. 040., Registrované v: WOS

ADCA808 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for dark matter produced in association with a hadronically decaying vector boson in pp collisions at root s=13 TeV with the ATLAS detector. In *Physics Letters B*, 2016, vol. 763, p. 251-268. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2016.10.042>

Ohlasy:

1. [1.1] ALTMANNSHOFER, Wolfgang - GORI, Stefania - PROFUMO, Stefano - QUEIROZ, Farinaldo S. Explaining dark matter and B decay anomalies with an L-mu L-tau model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 12, art. no. 106., Registrované v: WOS
2. [1.1] ARCADI, Giorgio - GHOSH, Pradipta - MAMBRINI, Yann - PIERRE, Mathias - QUEIROZ, Farinaldo S. Z ' portal to Chern-Simons Dark Matter. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2017, no. 11, art. no. 020., Registrované v: WOS
3. [1.1] BAUM, Sebastian - SHAH, Nausheen R. Two Higgs doublets and a complex singlet: disentangling the decay topologies and associated phenomenology. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 044., Registrované v: WOS
4. [1.1] BELL, Nicole F. - BUSONI, Giorgio - SANDERSON, Isaac W. Two Higgs doublet dark matter portal. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 1, art. no. 015., Registrované v: WOS
5. [1.1] BELL, Nicole F. - CAI, Yi - DENT, James B. - LEANE, Rebecca K. - WEILER, Thomas J. Enhancing dark matter annihilation rates with dark bremsstrahlung. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 2, art. no. 023011., Registrované v: WOS
6. [1.1] BELL, Nicole F. - CAI, Yi - LEANE, Rebecca K. Impact of mass generation for spin-1 mediator simplified models. In JOURNAL OF

- COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2017, no. 1, art. no. 039., Registrované v: WOS
7. [1.1] BLOK, B. - CECCOPIERI, F.A. Z plus jets production via double parton scattering in pA collisions at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 20 2020, vol. 80, no. 8., Registrované v: WOS
8. [1.1] BLOK, B. - CECCOPIERI, F.A. Four -jet production via double parton scattering in pA collisions at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, MAY 26 2020, vol. 101, no. 9., Registrované v: WOS
9. [1.1] BLOK, B. - CECCOPIERI, F.A. Double parton scattering in pA collisions at the LHC revisited. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2020, vol. 80, no. 3., Registrované v: WOS
10. [1.1] DIENES, Keith R. - KUMAR, Jason - THOMAS, Brooks - YAYLALI, David. Off-diagonal dark-matter phenomenology: Exploring enhanced complementarity relations in nonminimal dark sectors. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 115009., Registrované v: WOS
11. [1.1] DREYER, Frederic A. - NECIB, Lina - SOYEZ, Gregory - THALER, Jesse. Recursive Soft Drop. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 093., Registrované v: WOS
12. [1.1] ESMAILI, Arman - KHATIBI, Sara - NAJAFABADI, Mojtaba Mohammadi. Constraining the monochromatic gamma-rays from dark matter annihilation by the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015027., Registrované v: WOS
13. [1.1] GORI, S. - LIU, Z. - SHAKYA, B. Heavy Higgs as a portal to the supersymmetric electroweak sector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 5 2019, no. 4., Registrované v: WOS
14. [1.1] CHAO, Wei - GUO, Huai-Ke - ZHANG, Yongchao. Majorana dark matter with B plus L gauge symmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, vol., no. 4, art. no. 034., Registrované v: WOS
15. [1.1] KAHLHOEFER, Felix. Review of LHC dark matter searches. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 13, art. no. 1730006., Registrované v: WOS
16. [1.1] KHALEK, R.A. - ETHIER, J.J. - ROJO, J. - VAN WEELDEN, G. nNNPDF2.0: quark flavor separation in nuclei from LHC data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 28 2020, no. 9., Registrované v: WOS
17. [1.1] KOMISKE, Patrick T. - METODIEV, Eric M. - THALER, Jesse. Energy flow polynomials: a complete linear basis for jet substructure. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 4, art. no. 013., Registrované v: WOS
18. [1.1] KOUSHIAPPAS, Savvas M. - LOEB, Abraham. Dynamics of Dwarf Galaxies Disfavor Stellar-Mass Black Holes as Dark Matter. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 4, art. no. 041102., Registrované v: WOS
19. [1.1] KRAML, Sabine - LAA, Ursula - MAWATARI, Kentarou - YAMASHITA, Kimiko. Simplified dark matter models with a spin-2 mediator at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 5, art. no. 326., Registrované v: WOS

20. [1.1] LARKOSHI, Andrew J. - MOULT, Ian - NEILL, Duff. Factorization and resummation for groomed multi-prong jet shapes. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 144., Registrované v: WOS
21. [1.1] LARKOSKI, A.J. - METODIEV, E.M. A theory of quark vs. gluon discrimination. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 3 2019, no. 10., Registrované v: WOS
22. [1.1] LEANE, Rebecca K. - SLATYER, Tracy R. - BEACOM, John F. - NG, Kenny C. Y. GeV-scale thermal WIMPs: Not even slightly ruled out. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 2, art. no. 023016., Registrované v: WOS

ADCA809 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for dark matter produced in association with bottom or top quarks in root s=13 TeV pp collisions with the ATLAS detector. In *European Physical Journal C*, 2018, vol. 78, no. 1, art. no. 18. (2017: 5.172 - IF, Q1 - JCR, 2.022 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-017-5486-1>

Ohlasy:

1. [1.1] ARCADI, G. - BUSONI, G. - HUGLE, T. - TENORTH, V.T. Comparing 2HDM+scalar and pseudoscalar simplified models at LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 16 2020, no. 6., Registrované v: WOS
2. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. - MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of heavy Higgs bosons decaying invisibly at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS
3. [1.1] BEVILACQUA, G. - HARTANTO, H.B. - KRAUS, M. - WEBER, T. - WOREK, M. Towards constraining dark matter at the LHC: higher order QCD predictions for $t\bar{t} + Z(Z \rightarrow \nu\bar{\nu})$. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 4 2019, no. 11., Registrované v: WOS
4. [1.1] BLANCO, C. - DELOS, M.S. - ERICKCEK, A.L. - HOOPER, D. Annihilation signatures of hidden sector dark matter within early-forming microhalos. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 14 2019, vol. 100, no. 10., Registrované v: WOS
5. [1.1] BLANCO, C. - ESCUDERO, M. - HOOPER, D. - WITTE, S.J. Z' mediated WIMPs: dead, dying, or soon to be detected?. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, NOV 2019, no. 11., Registrované v: WOS
6. [1.1] CERDENO, D.G. - CHEEK, A. - MARTIN-RAMIRO, P. - MORENO, J.M. B anomalies and dark matter: a complex connection. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 17 2019, vol. 79, no. 6., Registrované v: WOS
7. [1.1] EBADI, J. - KHATIBI, S. - NAJAFABADI, M.M. New probes for axionlike particles at hadron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 15 2019, vol. 100, no. 1., Registrované v: WOS
8. [1.1] HEURTIER, L. - PARTOUCHE, H.E. Spontaneous freeze out of dark matter from an early thermal phase transition. In PHYSICAL REVIEW

- D. ISSN 2470-0010, FEB 19 2020, vol. 101, no. 4., Registrované v: WOS
9. [1.1] HOOPER, D. - LEANE, R.K. - TSAI, Y.D. - WEGSMAN, S. - WITTE, S.J. A systematic study of hidden sector dark matter: application to the gamma-ray and antiproton excesses. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 23 2020, no. 7., Registrované v: WOS
 10. [1.1] HOU, G.W.S. Perspectives and outlook from HEP window on the universe. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, JAN 20 2019, vol. 34, no. 2., Registrované v: WOS
 11. [1.1] HUANG, D. - MORAIS, A.P. - SANTOS, R. Anomalies in B-meson decays and the muon $g-2$ from dark loops. In PHYSICAL REVIEW D. ISSN 1550-7998, OCT 9 2020, vol. 102, no. 7., Registrované v: WOS
 12. [1.1] CHATTERJEE, S. - DAS, A. - SAMUI, T. - SEN, M. Mixed WIMP-axion dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 31 2019, vol. 100, no. 11., Registrované v: WOS
 13. [1.1] CHO, G.C. - YAMASHITA, K. - YONEMURA, M. Search for vector-mediated dark matter at the LHC with forward proton tagging. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 18 2020, vol. 101, no. 3., Registrované v: WOS
 14. [1.1] KIM, J.S. - POKORSKI, S. - ROLBIECKI, K. - SAKURAI, K. Gravitino vs. neutralino LSP at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 11 2019, no. 9., Registrované v: WOS
 15. [1.1] KO, P. - LI, Gang - LI, Jinmian. Impact of the 125 GeV Higgs boson on singlet fermion dark matter searches at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 055031., Registrované v: WOS
 16. [1.1] LI, T. - WU, P.W. Simplified dark matter models with loop effects in direct detection and the constraints from indirect detection and collider search. In CHINESE PHYSICS C. ISSN 1674-1137, NOV 2019, vol. 43, no. 11., Registrované v: WOS
 17. [1.1] PENNING, Bjoern. The pursuit of dark matter at colliders-an overview. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 6, art. no. 063001., Registrované v: WOS
 18. [1.1] RIZZO, T.G. Kinetic mixing and portal matter phenomenology. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 18 2019, vol. 99, no. 11., Registrované v: WOS
 19. [1.1] SCHMALTZ, M. - ZHONG, Y.M. The leptoquark Hunter's guide: large coupling. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 15 2019, no. 1., Registrované v: WOS
 20. [1.1] TREVISANI, Nicola. Collider Searches for Dark Matter (ATLAS. In UNIVERSE. ISSN 2218-1997, 2018, vol. 4, no. 11, art. no. 131., Registrované v: WOS

ADCA810 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - STRÍŽENEC, Pavol. Search for Dark Matter Produced in Association with a Higgs Boson Decaying to $b(b)\text{-over-bar}$ Using 36 fb(-1) of pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. In *Physical Review Letters*, 2017, vol. 119, no. 18, art. no. 181804. (2016: 8.462 - IF, Q1 - JCR, 4.196 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0031-9007.
Dostupné na: <https://doi.org/10.1103/PhysRevLett.119.181804>

Ohlasy:

1. [1.1] BAE, Kyu Jung - JUNG, Tae Hyun - PARK, Myeonghun. Spectral Decomposition of Missing Transverse Energy at Hadron Colliders. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 26, art. no. 261801., Registrované v: WOS
2. [1.1] BARMAN, R.K. - BELANGER, G. - GODBOLE, R.M. Status of low mass LSP in SUSY. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 21, SI, p. 3159-3185., Registrované v: WOS
3. [1.1] BLANCO, C. - DELOS, M.S. - ERICKCEK, A.L. - HOOPER, D. Annihilation signatures of hidden sector dark matter within early-forming microhalos. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 14 2019, vol. 100, no. 10., Registrované v: WOS
4. [1.1] HEURTIER, L. - PARTOUCHE, H.E. Spontaneous freeze out of dark matter from an early thermal phase transition. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 19 2020, vol. 101, no. 4., Registrované v: WOS
5. [1.1] LEANE, Rebecca K. - SLATYER, Tracy R. - BEACOM, John F. - NG, Kenny C. Y. GeV-scale thermal WIMPs: Not even slightly ruled out. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 2, art. no. 023016., Registrované v: WOS

ADCA811 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for dark matter produced in association with a Higgs boson decaying to two bottom quarks in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Physical Review D*, 2016, vol. 93, no. 7, art. no. 072007. (2015: 4.506 - IF, Q2 - JCR, 2.236 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.93.072007>

Ohlasy:

1. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. - MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of heavy Higgs bosons decaying invisibly at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS
2. [1.1] ARINA, Chiara. Impact of Cosmological and Astrophysical Constraints on Dark Matter Simplified Models. In FRONTIERS IN ASTRONOMY AND SPACE SCIENCES. ISSN 2296-987X, 2018, vol. 5, art. no. 30., Registrované v: WOS
3. [1.1] BAUM, Sebastian - FREESE, Katherine - SHAH, Nausheen R. - SHAKYA, Bibhushan. NMSSM Higgs boson search strategies at the LHC and the mono-Higgs signature in particular. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115036., Registrované v: WOS
4. [1.1] BERNAL, Nicolas - HEIKINHEIMO, Matti - TENKANEN, Tommi - TUOMINEN, Kimmo - VASKONEN, Ville. The dawn of FIMP Dark Matter: A review of models and constraints. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 27, art. no. 1730023., Registrované v: WOS
5. [1.1] KAHLHOEFER, Felix. Review of LHC dark matter searches. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 13, art. no. 1730006., Registrované v: WOS

6. [1.1] LAPSIEN, T. - KOGLER, R. - HALLER, J. A new tagger for hadronically decaying heavy particles at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 11, art. no. 600., Registrované v: WOS

7. [1.1] MORGANTE, Enrico. Dark Matter Searches at the LHC. In ASPECTS OF WIMP DARK MATTER SEARCHES AT COLLIDERS AND OTHER PROBES. ISSN 2190-5053, 2017, pp. 85-96., Registrované v: WOS

ADCA812 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCÉI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector (ATLAS Collaboration). In *European Physical Journal C*, 2012, vol. 72, no. 4, art. no. 1965. (2011: 3.631 - IF, Q2 - JCR, 2.962 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1434-6044.

Ohlasy:

1. [1.1] DU, M.X. - LIU, Z.W. - TRAN, V.Q. Enhanced long-lived dark photon signals at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 12 2020, no. 5., Registrované v: WOS

2. [1.1] EVANS, J.A. - LUTY, M.A. Stopping quirks at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 18 2019, no. 6., Registrované v: WOS

ADCA813 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - ABED ABUD, A. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for diboson resonances in hadronic final states in 139 fb⁻¹ of pp collisions at root s=13 TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2019, no. 9, art. no. 091. (2018: 5.833 - IF, Q1 - JCR, 1.016 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP09\(2019\)091](https://doi.org/10.1007/JHEP09(2019)091)

Ohlasy:

1. [1.1] CASAS, J.A. - CHAKRABORTI, M. - QUILIS, J. UV completion of an axial, leptophobic, Z'. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS

2. [1.1] CSAKI, C. - GUAN, C.S. - MA, T. - SHU, J. Generating a Higgs Potential Quartic Term. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, JUN 24 2020, vol. 124, no. 25., Registrované v: WOS

ADCA814 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for diboson resonances with boson-tagged jets in pp collisions at root S=13 TeV with the ATLAS detector. In *Physics Letters B*, 2018, vol. 777, p. 91-113. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2017.12.011>

Ohlasy:

1. [1.1] AARRESTAD, T. Searching for diboson resonances in the boosted all-hadronic final state at root s=13 TeV with CMS. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, OCT 20 2020, vol. 35, no. 32., Registrované v: WOS

2. [1.1] AGARWALLA, Sanjib Kumar - GHOSH, Kirtiman - PATRA, Ayon. Sub-TeV quintuplet minimal dark matter with left-right symmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 123., Registrované v: WOS
3. [1.1] AGASHE, Kaustubh - COLLINS, Jack H. - DU, Peizhi - HONG, Sungwoo - KIM, Doojin - MISHRA, Rashmish K. Detecting a boosted diboson resonance. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 027., Registrované v: WOS
4. [1.1] AGASHE, K. - COLLINS, J.H. - DU, P.Z. - HONG, S. - KIM, D. - MISHRA, R.K. Dedicated strategies for triboson signals from cascade decays of vector resonances. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 15 2019, vol. 99, no. 7., Registrované v: WOS
5. [1.1] AOUBE, R. - SHEPHERD, W. Jet substructure measurements of interference in non-interfering SMEFT effects. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 2 2019, no. 8., Registrované v: WOS
6. [1.1] ARPINO, L. - BANFI, A. - JAGER, S. - KAUER, N. BSM WW production with a jet veto. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 13 2019, no. 8., Registrované v: WOS
7. [1.1] BANERJEE, Pulak - DHANI, Prasanna K. - KUMAR, M. C. - MATHEWS, Prakash - RAVINDRAN, V. NNLO QCD corrections to production of a spin-2 particle with nonuniversal couplings in the Drell-Yan process. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 094028., Registrované v: WOS
8. [1.1] BIZOT, Nicolas - CACCIAPAGLIA, Giacomo - FLACKE, Thomas. Common exotic decays of top partners. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 065., Registrované v: WOS
9. [1.1] DE CURTIS, Stefania - DELLE ROSE, Luigi - MORETTI, Stefano - YAGYU, Kei. A concrete composite 2-Higgs doublet model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 051., Registrované v: WOS
10. [1.1] DONG, P.V. - NGAN, N.T.K. - THAM, T.D. - THIEN, L.D. - THUY, N.T. Phenomenology of the simple 3-3-1 model with inert scalars. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 23 2019, vol. 99, no. 9., Registrované v: WOS
11. [1.1] DREYER, Frederic A. - NECIB, Lina - SOYEZ, Gregory - THALER, Jesse. Recursive Soft Drop. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 093., Registrované v: WOS
12. [1.1] CHOWDHURY, Debtosh - EBERHARDT, Otto. Update of global Two-Higgs-Doublet model fits. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 161., Registrované v: WOS
13. [1.1] KAUER, N. - LIND, A. - MAIERHOFER, P. - SONG, W.M. Higgs interference effects at the one-loop level in the 1-Higgs-Singlet extension of the Standard Model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 18 2019, no. 7., Registrované v: WOS
14. [1.1] LARKOSHI, Andrew J. - MOULT, Ian - NEILL, Duff. Factorization and resummation for groomed multi-prong jet shapes. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 144., Registrované v: WOS

15. [1.1] MATCHEV, K.T. - MOORTGAT, F. - PAPE, L. Dreaming awake: disentangling the underlying physics in case of a SUSY-like discovery at the LHC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, NOV 2019, vol. 46, no. 11., Registrované v: WOS
16. [1.1] PATIENCE, G.S. - GALLI, F. - PATIENCE, P.A. - BOFFITO, D.C. Intellectual contributions meriting authorship: Survey results from the top cited authors across all science categories. In PLOS ONE. ISSN 1932-6203, JAN 16 2019, vol. 14, no. 1., Registrované v: WOS

ADCA815 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for Dilepton Resonances in pp Collisions at root s 7 TeV with the ATLAS Detector. In *Physical Review Letters*, 2011, vol. 107, no. 27, art. no. 272002. (2010: 7.622 - IF, Q1 - JCR, 6.450 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

1. [1.1] ARANDA, J. I. - CORTES-MALDONADO, I. - RAMIREZ-ZA VALETA, F. - TUTUTI, E. S. The Z(H)> gamma H decay in the littlest Higgs model. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 2, art. no. 025002., Registrované v: WOS
2. [1.1] ASHRY, M. - KHALIL, S. Phenomenological aspects of a TeV-scale alternative left-right model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 1, art. no. 015009., Registrované v: WOS
3. [1.1] BALASUBRAMANIAM, K. M. Phenomenological study of Z ' in the minimal B L model at LHC. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2017, vol. 89, no. 4, art. no. 52., Registrované v: WOS
4. [1.1] DANILOV, Anton - SHAPOSHNIKOV, Mikhail - SHEVCHENKO, Oksana - ZEMSKAYA, Nadezhda - ZHAVORONKOV, Alex - MOSKALEV, Alexey. Influence of non-steroidal anti-inflammatory drugs on Drosophila melanogaster longevity. In ONCOTARGET. ISSN 1949-2553, 2015, vol. 6, no. 23, pp. 19428-19444., Registrované v: WOS
5. [1.1] KILE, Jennifer - KOBACH, Andrew - SONI, Amarjit. Lepton-flavored dark matter. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 744, pp. 330-338., Registrované v: WOS
6. [1.1] LACHMANN, G. - KNAAK, C. - VORDERWULBECKE, G. - LA ROSEE, P. - BALZER, F. - SCHENK, T. - SCHUSTER, F.S. - NYVLT, P. - JANKA, G. - BRUNKHORST, F.M. - KEH, D. - SPIES, C. Hyperferritinemia in Critically Ill Patients*. In CRITICAL CARE MEDICINE. ISSN 0090-3493, APR 2020, vol. 48, no. 4, p. 459-465., Registrované v: WOS
7. [1.1] LYALL, M.J. - THOMSON, J.P. - CARTIER, J. - OTTAVIANO, R. - KENDALL, T.J. - MEEHAN, R.R. - DRAKE, A.J. Non-alcoholic fatty liver disease (NAFLD) is associated with dynamic changes in DNA hydroxymethylation. In EPIGENETICS. ISSN 1559-2294, FEB 1 2020, vol. 15, no. 1-2, p. 61-71., Registrované v: WOS
8. [1.1] SCHMALTZ, M. - ZHONG, Y.M. The leptoquark Hunter's guide: large coupling. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 15 2019, no. 1., Registrované v: WOS
9. [1.1] WALLACH, Thomas - KRAMER, Achim. Chemical

chronobiology: Toward drugs manipulating time. In FEBS LETTERS. ISSN 0014-5793, 2015, vol. 589, no. 14, pp. 1530-1538., Registrované v: WOS

ADCA816 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for diphoton events with large missing transverse momentum in 7 TeV proton-proton collision data with the ATLAS detector. In *Physics Letters B*, 2012, vol. 718, no. 11, p. 411-430. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] CUTCHIN, Sean E. - SIMONETTI, John H. - ELLINGSON, Steven W. - LARRACUENTE, Amanda S. - KAVIC, Michael J. Constraining the Rate of Primordial Black Hole Explosions and Extra-Dimension Scale Using a Low-Frequency Radio Antenna Array. In PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF THE PACIFIC. ISSN 0004-6280, 2015, vol. 127, no. 958, pp. 1269-1278., Registrované v: WOS
2. [1.1] DUTTA, Juhi - KONAR, Partha - MONDAL, Subhadeep - MUKHOPADHYAYA, Biswarup - RAI, Santosh Kumar. Search for a compressed supersymmetric spectrum with a light gravitino. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 9, art. no. 026., Registrované v: WOS

ADCA817 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Michal. Search for Diphoton Events with Large Missing Transverse Energy in 7 TeV Proton-Proton Collisions with the ATLAS Detector. In *Physical Review Letters*, 2011, vol. 106, no. 12, art. no. 121803. (2010: 7.622 - IF, Q1 - JCR, 6.450 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

1. [1.1] FOURNIER, Marjorie - ORPINELL, Meritxell - GRAUFFEL, Cedric - SCHEER, Elisabeth - GARNIER, Jean-Marie - YE, Tao - CHAVANT, Virginie - JOINT, Mathilde - ESASHI, Fumiko - DEJAEGERE, Annick - GONCZY, Pierre - TORA, Laszlo. KAT2A/KAT2B-targeted acetylome reveals a role for PLK4 acetylation in preventing centrosome amplification. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2016, vol. 7, art. no. 13227., Registrované v: WOS
2. [1.1] GHOSH, K. - KARABACAK, D. - NANDI, S. Universal Extra Dimension models with gravity mediated decays after LHC Run II data. In PHYSICS LETTERS B. ISSN 0370-2693, JAN 10 2019, vol. 788, p. 388-395., Registrované v: WOS
3. [1.1] MASON, Sarah L. - BARKER, Roger A. Novel targets for Huntington's disease: future prospects. In DEGENERATIVE NEUROLOGICAL AND NEUROMUSCULAR DISEASE. ISSN 1179-9900, 2016, vol. 6, pp. 25-36., Registrované v: WOS
4. [1.1] POPPLER, Louis - COHEN, Justin - DOLEN, Utku Can - SCHRIEFER, Andrew E. - TENENBAUM, Marissa M. - DEEKEN, Corey - CHOLE, Richard A. - MYCKATYN, Terence M. Histologic, Molecular, and Clinical Evaluation of Explanted Breast Prostheses, Capsules, and Acellular Dermal Matrices for Bacteria. In AESTHETIC SURGERY JOURNAL. ISSN 1090-820X, 2015, vol. 35, no. 6, pp. 653-668., Registrované v: WOS

ADCA818 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for direct chargino production in anomaly-mediated supersymmetry breaking models based on a disappearing-track signature in pp collisions at root s=7 TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2013, vol. 2013, no. 1, art. no. 131. (2012: 5.618 - IF, 1.475 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP01\(2013\)131](https://doi.org/10.1007/JHEP01(2013)131)

Ohlasy:

1. [1.1] BAER, Howard - BARGER, Vernon - SENGUPTA, Dibyashree. Anomaly-mediated SUSY breaking model retrofitted for naturalness. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 015039., Registrované v: WOS

ADCA819 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in root s=8 TeV pp collisions with the ATLAS detector. In *European Physical Journal C*, 2015, vol. 75, no. 5, art. no. 208. (2014: 5.084 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-015-3408-7>

Ohlasy:

1. [1.1] ABDALLAH, W. - HAMMAD, A. - KHALIL, S. - MORETTI, S. Search for mono-Higgs signals at the LHC in the B L supersymmetric standard model. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055019., Registrované v: WOS
2. [1.1] ABDUGHANI, Murat - WU, Lei - YANG, Jin Min. Status and prospects of light bino-higgsino dark matter in natural SUSY. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2017, vol. 78, no. 1, art. no. 4., Registrované v: WOS
3. [1.1] ABOUBRAHIM, Amin - NATH, Pran. Supersymmetry at a 28 TeV hadron collider: HE-LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 015009., Registrované v: WOS
4. [1.1] AEBISCHER, Jason - CRIVELLIN, Andreas - GREUB, Christoph - YAMADA, Youichi. The MSSM without gluinos; an effective field theory for the stop sector. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2017, vol. 77, no. 11, art. no. 740., Registrované v: WOS
5. [1.1] AJAIB, M. Adeel - DUTTA, Bhaskar - GHOSH, Tathagata - GOGOLADZE, Ilia - SHAFI, Qaisar. Neutralinos and sleptons at the LHC in light of muon (g-2)(mu). In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 075033., Registrované v: WOS
6. [1.1] AMBROGI, Federico - KRAML, Sabine - KULKARNI, Suchita - LAA, Ursula - LESSA, Andre - WALTENBERGER, Wolfgang. On the coverage of the pMSSM by simplified model results. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 215., Registrované v: WOS
7. [1.1] ARCADI, G. - DJOUADI, A. - RAIDAL, M. Dark Matter through the Higgs portal. In *PHYSICS REPORTS-REVIEW SECTION OF*

PHYSICS LETTERS. ISSN 0370-1573, FEB 3 2020, vol. 842, p. 1-180.,
Registrované v: WOS

8. [1.1] AZEVEDO, D. - FERREIRA, P. - MUHLLEITNER, M.M. - SANTOS, R. - WITTBRODT, J. Models with extended Higgs sectors at future $e(+)e(-)$ colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 12 2019, vol. 99, no. 5., Registrované v: WOS

9. [1.1] BAGLIO, Julien - JAEGER, Barbara - KESENHEIMER, Matthias. Precise predictions for electroweakino-pair production in association with a jet at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 055., Registrované v: WOS

10. [1.1] BARMAN, Rahool Kumar - BHATTACHERJEE, Biplob - CHAKRABORTY, Amit - CHOUDHURY, Arghya. Study of MSSM heavy Higgs bosons decaying into charginos and neutralinos. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075013., Registrované v: WOS

11. [1.1] BARMAN, R.K. - BHATTACHERJEE, B. - CHOUDHURY, A. - CHOWDHURY, D. - LAHIRI, J. - RAY, S. Current status of MSSM Higgs sector with LHC 13 TeV data. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, APR 2019, vol. 134, no. 4., Registrované v: WOS

12. [1.1] BASLER, P. - DAWSON, S. - ENGLERT, C. - MUHLLEITNER, M. Showcasing HH production: Benchmarks for the LHC and HL-LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 29 2019, vol. 99, no. 5., Registrované v: WOS

13. [1.1] DERCKS, Daniel - MOORTGAT-PICK, Gudrid - REUTER, Juergen - SHIM, So Young. The fate of the littlest Higgs model with T-parity under 13 TeV LHC data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 049., Registrované v: WOS

14. [1.1] DOMINGO, F. - KIM, J.S. - LOZANO, V.M. - MARTIN-RAMIRO, P. - DE AUSTRI, R.R. Confronting the neutralino and chargino sector of the NMSSM with the multilepton searches at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 8 2020, vol. 101, no. 7., Registrované v: WOS

15. [1.1] EGANA-UGRINOVIC, Daniel - LOW, Matthew - RUDERMAN, Joshua T. Charged fermions below 100 GeV. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 012., Registrované v: WOS

16. [1.1] GUCHAIT, Monoranjan - KUMAR, Jacky. Diphoton signal of a light pseudoscalar in the NMSSM at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035036., Registrované v: WOS

17. [1.1] CHAKRABORTY, Sabyasachi - MARTIN, Adam - ROY, Tuhin S. Charting generalized supersoft supersymmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 176., Registrované v: WOS

18. [1.1] CHOUDHURY, Arghya - MONDAL, Subhadeep. Revisiting the exclusion limits from direct chargino-neutralino production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055024., Registrované v: WOS

19. [1.1] CHOUDHURY, Arghya - RAO, Soumya - ROSZKOWSKI, Leszek. Impact of LHC data on muon $g-2$ solutions in a vectorlike extension of the constrained MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075046., Registrované v: WOS

20. [1.1] KEARNEY, John - ORLOFSKY, Nicholas - PIERCE, Aaron. Z boson mediated dark matter beyond the effective theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035020., Registrované v: WOS
21. [1.1] KIM, Jong Soo - SCHMEIER, Daniel - TATTERSALL, Jamie. Role of the 'N' in the natural NMSSM for the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055018., Registrované v: WOS
22. [1.1] SANCHEZ-VELEZ, R. - TAVARES-VELASCO, G. Decay $\phi \rightarrow Z \gamma \gamma$ ($\phi = h, H, A$) in the minimal supersymmetric standard model. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 19 2019, vol. 99, no. 5., Registrované v: WOS
23. [1.1] SMARANDA, D.D. - MILLER, D.J. Scherk-Schwarz orbifolds at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS
24. [1.1] STENGEL, Patrick - TATA, Xerxes. Same-sign Higgsino production at the CERN LHC: How not to hunt for natural supersymmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 11, art. no. 115024., Registrované v: WOS
25. [1.1] TATA, Xerxes. Supersymmetry: aspirations and prospects. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 10, art. no. 108001., Registrované v: WOS
26. [1.1] XIANG, Qian-Fei - BI, Xiao-Jun - YIN, Peng-Fei - YU, Zhao-Huan. Searching for singlino-Higgsino dark matter in the NMSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055031., Registrované v: WOS
27. [1.1] ZHENG, S.B. Minimal vectorlike model in supersymmetric unification. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 26 2020, vol. 80, no. 3., Registrované v: WOS

ADCA820 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for direct pair production of the top squark in all-hadronic final states in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2014, vol. 2014, no. 9, art. no. 015. (2013: 6.220 - IF, Q1 - JCR, 1.173 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP09\(2014\)015](https://doi.org/10.1007/JHEP09(2014)015)

Ohlasy:

1. [1.1] AMBROGI, Federico - KRAML, Sabine - KULKARNI, Suchita - LAA, Ursula - LESSA, Andre - WALTENBERGER, Wolfgang. On the coverage of the pMSSM by simplified model results. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 215., Registrované v: WOS
2. [1.1] AN, Haipeng - WANG, Lian-Tao. Opening Up the Compressed Region of Top Squark Searches at 13 TeV LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 18, art. no. 181602., Registrované v: WOS
3. [1.1] BRAMANTE, Joseph - KUMAR, Jason - LEARNED, John. Proton annihilation at hadron colliders and Kamioka: High energy versus high luminosity. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 035012., Registrované v: WOS

4. [1.1] BURDMAN, Gustavo - CHACKO, Zackaria - HARNIK, Roni - DE LIMA, Leonardo - VERHAAREN, Christopher B. Colorless top partners, a 125 GeV Higgs boson, and the limits on naturalness. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055007., Registrované v: WOS
5. [1.1] CURTIN, David - SARASWAT, Prashant. Towards a no-lose theorem for naturalness. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055044., Registrované v: WOS
6. [1.1] DIAMANTI, Roberta - CABRERA CATALAN, Maria Eugenia - ANDO, Shin'ichiro. Dark matter protohalos in a nine parameter MSSM and implications for direct and indirect detection. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 6, art. no. 065029., Registrované v: WOS
7. [1.1] EVERETT, Lisa L. - GARON, Todd - KAUFMAN, Bryan L. - NELSON, Brent D. Mirage models confront the LHC. III. Deflected mirage mediation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055031., Registrované v: WOS
8. [1.1] FERRETTI, Gabriele - FRANCESCHINI, Roberto - PETERSSON, Christoffer - TORRE, Riccardo. Monojetlike Searches for Top Squarks with a b Tag. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 20, art. no. 201801., Registrované v: WOS
9. [1.1] IBARRA, A. - PIERCE, A. - SHAH, N. R. - VOGL, S. Anatomy of coannihilation with a scalar top partner. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 9, art. no. 095018., Registrované v: WOS
10. [1.1] LI, Jinmian - WILLIAMS, Anthony G. Tau reconstruction methods at an electron-positron collider in the search for new physics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075019., Registrované v: WOS

ADCA821 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABED ABUD, A. - ABELING, K. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for direct production of electroweakinos in final states with one lepton, missing transverse momentum and a Higgs boson decaying into two b-jets in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *European Physical Journal C*, 2020, vol. 80, no. 8, art. no. 691. (2019: 4.389 - IF, Q1 - JCR, 1.763 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-020-8050-3>

Ohlasy:

1. [1.1] CUI, Y.N. - SHAMMA, M. WIMP coogenesis for asymmetric dark matter and the baryon asymmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 9 2020, no. 12., Registrované v: WOS
2. [1.1] FIASCHI, J. - KLASSEN, M. Higgsino and gaugino pair production at the LHC with aNNLO plus NNLL precision. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 20 2020, vol. 102, no. 9., Registrované v: WOS
3. [1.1] FRANK, M. - HICYILMAZ, Y. - MORETTI, S. - OZDAL, O. Leptophobic Z' bosons in the secluded UMSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 21 2020, vol. 102, no. 11., Registrované v: WOS
4. [1.1] GOODSSELL, M.D. - KRAML, S. - REYES-GONZALEZ, H. - WILLIAMSON, S.L. Constraining electroweakinos in the minimal Dirac gaugino model. In SCIPOST PHYSICS. ISSN 2542-4653, OCT 2020, vol. 9, no. 4.,

Registrované v: WOS

5. [1.1] TATA, X. Natural supersymmetry: status and prospects. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 21, SI, p. 3061-3083., Registrované v: WOS

ADCA822 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at root s=8TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2014, vol. 2014, no. 5, art. no. 071. (2013: 6.220 - IF, Q1 - JCR, 1.173 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP05\(2014\)071](https://doi.org/10.1007/JHEP05(2014)071)

Ohlasy:

1. [1.1] ABADA, Asmaa - TOMA, Takashi. Electric dipole moments in the minimal scotogenic model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 4, art. no. 030., Registrované v: WOS

2. [1.1] ABDULLAH, Mohammad - FENG, Jonathan L. - IWAMOTO, Sho - LILLARD, Benjamin. Heavy bino dark matter and collider signals in the MSSM with vectorlike fourth-generation particles. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 095018., Registrované v: WOS

3. [1.1] ABOUBRAHIM, Amin - NATH, Pran. Supersymmetry at a 28 TeV hadron collider: HE-LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 015009., Registrované v: WOS

4. [1.1] AGRAWAL, Prateek - CHACKO, Zackaria - FORTES, Elaine C. F. S. - KILIC, Can. Skew-flavored dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 10, art. no. 103510., Registrované v: WOS

5. [1.1] AHMED, Waqas - CALIBBI, Lorenzo - LI, Tianjun - MUSTAFAYEV, Azar - RAZA, Shabbar. Low fine-tuning in Yukawa-deflected gauge mediation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095031., Registrované v: WOS

6. [1.1] AJAIB, M. Adeel - DUTTA, Bhaskar - GHOSH, Tathagata - GOGOLADZE, Ilia - SHAFI, Qaisar. Neutralinos and sleptons at the LHC in light of muon (g-2)(mu). In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 075033., Registrované v: WOS

7. [1.1] AMBROGI, Federico - KRAML, Sabine - KULKARNI, Suchita - LAA, Ursula - LESSA, Andre - MAGERL, Veronika - SONNEVELD, Jory - TRAUB, Michael - WALTENBERGER, Wolfgang. SModelS v1.1 user manual: Improving simplified model constraints with efficiency maps. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 227, pp. 72-98., Registrované v: WOS

8. [1.1] AMBROGI, Federico - KRAML, Sabine - KULKARNI, Suchita - LAA, Ursula - LESSA, Andre - WALTENBERGER, Wolfgang. On the coverage of the pMSSM by simplified model results. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 215., Registrované v: WOS

9. [1.1] AZEVEDO, D. - FERREIRA, P. - MUHLLEITNER, M.M. - SANTOS, R. - WITTBRODT, J. Models with extended Higgs sectors at future e(+)e(-) colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 12 2019, vol. 99, no. 5., Registrované v: WOS

10. [1.1] BAER, Howard - BARGER, Vernon - HUANG, Peisi - MICKELSON, Dan - PADEFFKE-KIRKLAND, Maren - TATA, Xerxes. Natural SUSY with a bino- or wino-like LSP. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 7, art. no. 075005., Registrované v: WOS
11. [1.1] BAKER, Michael J. - THAMM, Andrea. Leptonic WIMP coannihilation and the current dark matter search strategy. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 187., Registrované v: WOS
12. [1.1] BALKIN, Reuven - PEREZ, Gilad - WEILER, Andreas. Little composite dark matter. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 2, art. no. 104., Registrované v: WOS
13. [1.1] BARDHAN, Debjyoti - BHATTACHARYYA, Gautam - GHOSH, Diptimoy - PATRA, Monalisa - RAYCHAUDHURI, Sreerup. Detailed analysis of flavor-changing decays of top quarks as a probe of new physics at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015026., Registrované v: WOS
14. [1.1] BARMAN, Rahool Kumar - BHATTACHERJEE, Biplob - CHAKRABORTY, Amit - CHOUDHURY, Arghya. Study of MSSM heavy Higgs bosons decaying into charginos and neutralinos. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075013., Registrované v: WOS
15. [1.1] BARMAN, Rahool Kumar - BELANGER, Genevieve - BHATTACHERJEE, Biplob - GODBOLE, Rohini - MENDIRATTA, Gaurav - SENGUPTA, Dipan. Invisible decay of the Higgs boson in the context of a thermal and nonthermal relic in MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095018., Registrované v: WOS
16. [1.1] BARMAN, R.K. - BHATTACHERJEE, B. - CHOUDHURY, A. - CHOWDHURY, D. - LAHIRI, J. - RAY, S. Current status of MSSM Higgs sector with LHC 13 TeV data. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, APR 2019, vol. 134, no. 4., Registrované v: WOS
17. [1.1] BAUM, S. - SANDICK, P. - STENGEL, P. Hunting for scalar lepton partners at future electron colliders. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 29 2020, vol. 102, no. 1., Registrované v: WOS
18. [1.1] BELANGER, Genevieve - DELAUNAY, Cedric - WESTHOFF, Susanne. Dark matter relic from muon anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 5, art. no. 055021., Registrované v: WOS
19. [1.1] BELANGER, Genevieve - DUMONT, Beranger - GOUDELIS, Andreas - HERRMANN, Bjoern - KRAML, Sabine - SENGUPTA, Dipan. Dilepton constraints in the inert doublet model from Run 1 of the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 115011., Registrované v: WOS
20. [1.1] BELANGER, Genevieve - DELAUNAY, Cedric. Dark sector for $g(\mu\mu)^{-2}$, R-K and a 750 GeV diphoton resonance. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075019., Registrované v: WOS
21. [1.1] BERLIN, Asher - GORI, Stefania - LIN, Tongyan - WANG, Lian-Tao. Pseudoscalar portal dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 015005., Registrované v: WOS
22. [1.1] BERNIGAUD, J. - HERRMANN, B. - KING, S.F. - ROWLEY, S.J. Non-minimal flavour violation in $A(4) \times SU(5)$ SUSY GUTs with smuon assisted dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN

1029-8479, MAR 13 2019, no. 3., Registrované v: WOS

23. [1.1] BETANCUR, Amalia - LONGAS, Robinson - ZAPATA, Oscar. Doublet-triplet dark matter with neutrino masses. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035011., Registrované v: WOS

24. [1.1] BIONDINI, S. - PANELLA, O. Exotic leptons at future linear colliders. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 015023., Registrované v: WOS

25. [1.1] BLINOV, Nikita - KOZACZUK, Jonathan - MORRISSEY, David E. - DE LA PUENTE, Alejandro. Compressing the inert doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 035020., Registrované v: WOS

26. [1.1] CALIBBI, Lorenzo - LI, Tianjun - MUSTAFAYEV, Azar - RAZA, Shabbar. Improving naturalness in gauge mediation with nonunified messenger sectors. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115018., Registrované v: WOS

27. [1.1] CALIBBI, Lorenzo - ZIEGLER, Robert - ZUPAN, Jure. Minimal models for dark matter and the muon $g-2$ anomaly. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 046., Registrované v: WOS

28. [1.1] CAO, Junjie - SHANG, Liangliang - WU, Peiwen - YANG, Jin Min - ZHANG, Yang. Supersymmetry explanation of the Fermi Galactic Center excess and its test at LHC run II. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055005., Registrované v: WOS

29. [1.1] CURTIN, David - DESHPANDE, Kaustubh - FISCHER, Oliver - ZURITA, Jose. New physics opportunities for long-lived particles at electron-proton colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 024., Registrované v: WOS

30. [1.1] DATTA, A. - GANGULY, N. The past, present and future of the heavier electroweakinos in the light of LHC and other data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 11 2019, no. 1., Registrované v: WOS

31. [1.1] DE VRIES, Jordy - DREINER, Herbi K. - SCHMEIER, Daniel. R-parity violation and light neutralinos at SHiP and the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035006., Registrované v: WOS

32. [1.1] DIAMANTI, Roberta - CABRERA CATALAN, Maria Eugenia - ANDO, Shin'ichiro. Dark matter protohalos in a nine parameter MSSM and implications for direct and indirect detection. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 6, art. no. 065029., Registrované v: WOS

33. [1.1] DOMINGO, F. - KIM, J.S. - LOZANO, V.M. - MARTIN-RAMIRO, P. - DE AUSTRI, R.R. Confronting the neutralino and chargino sector of the NMSSM with the multilepton searches at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 8 2020, vol. 101, no. 7., Registrované v: WOS

34. [1.1] DUTTA, Bhaskar - FANTAHUN, Kebur - FERNANDO, Ashen - GHOSH, Tathagata - KUMAR, Jason - SANDICK, Pearl - STENGEL, Patrick - WALKER, Joel W. Probing squeezed bino-slepton spectra with the Large Hadron Collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075037., Registrované v: WOS

35. [1.1] DU, Guangle - LI, Tianjun - NANOPOULOS, D. V. - RAZA,

- Shabbar. Supernatural MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 2, art. no. 025038., Registrované v: WOS
36. [1.1] EBERL, H. - HIDAKA, K. - GININA, E. Correlation between the decays $h(0) \rightarrow \gamma \gamma / gg$ in the MSSM with quark flavor violation. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, AUG 10 2019, vol. 34, no. 22., Registrované v: WOS
37. [1.1] ELAHI, Fatemeh - MARTIN, Adam. Using the modified matrix element method to constrain L- μ -L- τ interactions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015021., Registrované v: WOS
38. [1.1] FACCIOLI, P. - LOURENCO, C. NRQCD colour-octet expansion vs. LHC quarkonium production: signs of a hierarchy puzzle?. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 30 2019, vol. 79, no. 6., Registrované v: WOS
39. [1.1] FACCIOLI, P. - LOURENCO, C. - MADLENER, T. From prompt to direct J/ ψ production: new insights on the $\chi(c1)$ and $\chi(c2)$ polarizations and feed-down contributions from a global-fit analysis of mid-rapidity LHC data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 14 2020, vol. 80, no. 7., Registrované v: WOS
40. [1.1] FENG, Jonathan L. - FORMAL, Bartosz - GALON, Iftah - GARDNER, Susan - SMOLINSKY, Jordan - TAIT, Tim M. P. - TANEDO, Philip. Particle physics models for the 17 MeV anomaly in beryllium nuclear decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035017., Registrované v: WOS
41. [1.1] FLORES-BAEZ, F. V. - BOCK, M. Gomez - MONDRAGON, M. Muon $g-2$ through a flavor structure on soft SUSY terms. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 10, art. no. 561., Registrované v: WOS
42. [1.1] FRANK, M. Evading Z' boson mass limits in $U(1)'$ supersymmetric models. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 21, SI, p. 3205-3220., Registrované v: WOS
43. [1.1] FRANK, M. - HUITU, K. - MONDAL, S. Dark matter and collider signals in supersymmetric $U(1)'$ models with nonuniversal Z' couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 9 2019, vol. 100, no. 11., Registrované v: WOS
44. [1.1] FUKS, B. - NORDSTROM, K. - RUIZ, R. - WILLIAMSON, S.L. Sleptons without hadrons. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 11 2019, vol. 100, no. 7., Registrované v: WOS
45. [1.1] GOGOLADZE, Ilia - SHAFI, Qaisar - UN, Cem Salih. Reconciling the muon $g-2$, a 125 GeV Higgs boson, and dark matter in gauge mediation models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 115014., Registrované v: WOS
46. [1.1] GUO, Shu-Yuan - HAN, Zhi-Long - LIAO, Yi. Testing the type II radiative seesaw model: From dark matter detection to LHC signatures. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 115014., Registrované v: WOS
47. [1.1] GUO, S.Y. - HAN, Z.L. Observable signatures of scotogenic Dirac model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 9 2020, no. 12., Registrované v: WOS
48. [1.1] HABA, N. - SHIMIZU, Y. - YAMADA, T. Muon and electron

- g-2 and the origin of the fermion mass hierarchy. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, SEP 2020, vol. 2020, no. 9., Registrované v: WOS
49. [1.1] HAGEDORN, Claudia - HERRERO-GARCIA, Juan - MOLINARO, Emiliano - SCHMIDT, Michael A. Phenomenology of the generalised scotogenic model with fermionic dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 103., Registrované v: WOS
50. [1.1] HAGIWARA, Kaoru - MA, Kai - MUKHOPADHYAY, Satyanarayan. Closing in on the chargino contribution to the muon g-2 in the MSSM: Current LHC constraints. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055035., Registrované v: WOS
51. [1.1] HAMADA, Yuta - KAWAI, Hikaru - KAWANA, Kiyoharu - TSUMURA, Koji. Models of the LHC diphoton excesses valid up to the Planck scale. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 014007., Registrované v: WOS
52. [1.1] HARIGAYA, Keisuke - YANAGIDA, Tsutomu T. - YOKOZAKI, Norimi. Higgs boson mass of 125 GeV and g-2 of the muon in a gaugino mediation model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 7, art. no. 075010., Registrované v: WOS
53. [1.1] HEISIG, J. - KRAML, S. - LESSA, A. Constraining new physics with searches for long-lived particles: Implementation into SModelS. In PHYSICS LETTERS B. ISSN 0370-2693, JAN 10 2019, vol. 788, p. 87-95., Registrované v: WOS
54. [1.1] HUANG, Peisi - ROGLANS, Roger A. - SPIEGEL, Daniel D. - SUN, Yitian - WAGNER, Carlos E. M. Constraints on supersymmetric dark matter for heavy scalar superpartners. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095021., Registrované v: WOS
55. [1.1] HUITU, Katri - KARKKAINEN, Timo J. - MONDAL, Subhadeep - RAI, Santosh Kumar. Exploring collider aspects of a neutrinophilic Higgs doublet model in multilepton channels. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 035026., Registrované v: WOS
56. [1.1] CHAKRABORTY, Amit - CHAKRABORTY, Sabyasachi. Probing (g-2)(mu) at the LHC in the paradigm of R-parity violating MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075035., Registrované v: WOS
57. [1.1] CHIANG, Cheng-Wei - TSUMURA, Koji. Model with a gauged lepton flavor SU(2) symmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 069., Registrované v: WOS
58. [1.1] CHOUDHURY, Arghya - MONDAL, Subhadeep. Revisiting the exclusion limits from direct chargino-neutralino production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055024., Registrované v: WOS
59. [1.1] CHOUDHURY, Arghya - RAO, Soumya - ROSZKOWSKI, Leszek. Impact of LHC data on muon g-2 solutions in a vectorlike extension of the constrained MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075046., Registrované v: WOS
60. [1.1] CHOWDHURY, Debtosh - PATEL, Ketan M. - TATA, Xerxes - VEMPATI, Sudhir K. Indirect searches of the degenerate MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075025.,

Registrované v: WOS

61. [1.1] IBRAHIM, Tarek - ITANI, Ahmad - NATH, Pran. $\mu > e$ gamma decay in an MSSM extension. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 1, art. no. 015003., Registrované v: WOS
62. [1.1] KANEMURA, Shinya - SHINDOU, Tetsuo - SUGIYAMA, Hiroaki. R-parity conserving supersymmetric extension of the Zee model. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 115001., Registrované v: WOS
63. [1.1] KAVANAGH, B.J. - PANCI, P. - ZIEGLER, R. Faint light from dark matter: classifying and constraining dark matter-photon effective operators. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 11 2019, no. 4., Registrované v: WOS
64. [1.1] KEARNEY, John - ORLOFSKY, Nicholas - PIERCE, Aaron. Z boson mediated dark matter beyond the effective theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035020., Registrované v: WOS
65. [1.1] KUMAR, Jason - SANDICK, Pearl - TENG, Fei - YAMAMOTO, Takahiro. Gamma-ray signals from dark matter annihilation via charged mediators. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015022., Registrované v: WOS
66. [1.1] LANSBERG, J.P. New observables in inclusive production of quarkonia. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, DEC 20 2020, vol. 889, p. 1-106., Registrované v: WOS
67. [1.1] LI, Jinmian - WILLIAMS, Anthony G. Tau reconstruction methods at an electron-positron collider in the search for new physics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075019., Registrované v: WOS
68. [1.1] LI, Tianjun - RAZA, Shabbar. Electroweak supersymmetry from the generalized minimal supergravity model in the MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 5, art. no. 055016., Registrované v: WOS
69. [1.1] POZZO, G. - ZHANG, Y. Constraining resonant dark matter with combined LHC electroweakino searches. In PHYSICS LETTERS B. ISSN 0370-2693, FEB 10 2019, vol. 789, p. 582-591., Registrované v: WOS
70. [1.1] RESTREPO, Diego - RIVERA, Andres - SANCHEZ-PELAEZ, Marta - ZAPATA, Oscar - TANGARIFE, Walter. Radiative neutrino masses in the singlet-doublet fermion dark matter model with scalar singlets. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 013005., Registrované v: WOS
71. [1.1] SANTONI, M. Probing compressed mass spectra in electroweak supersymmetry with Recursive Jigsaw Reconstruction. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 058., Registrované v: WOS
72. [1.1] SETO, Osamu. Large invisible decay of a Higgs boson to neutrinos. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 073005., Registrované v: WOS
73. [1.1] STENGEL, Patrick - TATA, Xerxes. Same-sign Higgsino production at the CERN LHC: How not to hunt for natural supersymmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 11, art. no.

115024., Registrované v: WOS

74. [1.1] TATA, Xerxes. Supersymmetry: aspirations and prospects. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 10, art. no. 108001., Registrované v: WOS

75. [1.1] TRAN, H.M. - NGUYEN, H.T. GUT-inspired MSSM in light of muon g-2 and LHC results at root s=13 TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 26 2019, vol. 99, no. 3., Registrované v: WOS

76. [1.1] VON DER PAHLEN, Federico - PALACIO, Guillermo - RESTREPO, Diego - ZAPATA, Oscar. Radiative type III seesaw model and its collider phenomenology. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 033005., Registrované v: WOS

77. [1.1] WANG, Q. - LIU, F.H. Excitation Function of Initial Temperature of Heavy Flavor Quarkonium Emission Source in High Energy Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, AUG 17 2020, vol. 2020., Registrované v: WOS

78. [1.1] WANG, Weijian - HAN, Zhi-Long. Global U(1)(L) symmetry breaking in a neutrinophilic 2HDM: From LHC signatures to x-ray lines. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 053015., Registrované v: WOS

79. [1.1] XIANG, Qian-Fei - BI, Xiao-Jun - YIN, Peng-Fei - YU, Zhao-Huan. Searching for singlino-Higgsino dark matter in the NMSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055031., Registrované v: WOS

80. [1.1] XU, S. - ZHENG, S.B. Probing electroweak dark matter at 14 TeV LHC. In CHINESE PHYSICS C. ISSN 1674-1137, NOV 2020, vol. 44, no. 11., Registrované v: WOS

81. [1.1] YU, Zhao-Huan - BI, Xiao-Jun - YAN, Qi-Shu - YIN, Peng-Fei. Tau portal dark matter models at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 035008., Registrované v: WOS

82. [1.1] ZHENG, S.B. Minimal vectorlike model in supersymmetric unification. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 26 2020, vol. 80, no. 3., Registrované v: WOS

ADCA823 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in root s=7 TeV pp collisions with the ATLAS detector. In *Physics Letters B*, 2013, vol. 718, no. 3, p. 841-859. (2012: 4.569 - IF, Q1 - JCR, 3.353 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2012.11.039>

Ohlasy:

1. [1.1] ARBEY, A. - BATTAGLIA, M. - MAHMOUDI, F. Higgs production in neutralino decays in the MSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 3, art. no. 108., Registrované v: WOS

2. [1.1] BARTL, A. - EBERL, H. - GININA, E. - HIDAKA, K. - MAJEROTTO, W. $h(0) > c(c)$ as a test case for quark flavor violation in the MSSM. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 015007., Registrované v: WOS

3. [1.1] EGANA-UGRINOVIC, Daniel - LOW, Matthew - RUDERMAN, Joshua T. Charged fermions below 100 GeV. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 012., Registrované v: WOS
4. [1.1] ENDO, M. - HAMAGUCHI, K. - IWAMOTO, S. - KITAHARA, T. Muon $g - 2$ vs LHC Run 2 in supersymmetric models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 24 2020, no. 4., Registrované v: WOS

ADCA824 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in root $s=8$ TeV pp collisions with the ATLAS detector. In *Journal of High Energy Physics*, 2014, vol. 2014, no. 4, art. no. 169. (2013: 6.220 - IF, Q1 - JCR, 1.173 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP04\(2014\)169](https://doi.org/10.1007/JHEP04(2014)169)

Ohlasy:

1. [1.1] ABDALLAH, W. - KHALIL, S. - MORETTI, S. - MUNIR, S. Closing in on the Wino LSP via trilepton searches at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 1, art. no. 155., Registrované v: WOS
2. [1.1] ABDULLAH, Mohammad - FENG, Jonathan L. - IWAMOTO, Sho - LILLARD, Benjamin. Heavy bino dark matter and collider signals in the MSSM with vectorlike fourth-generation particles. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 095018., Registrované v: WOS
3. [1.1] AHMED, Waqas - CALIBBI, Lorenzo - LI, Tianjun - MUSTAFAYEV, Azar - RAZA, Shabbar. Low fine-tuning in Yukawa-deflected gauge mediation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095031., Registrované v: WOS
4. [1.1] AJAIB, M. Adeel - DUTTA, Bhaskar - GHOSH, Tathagata - GOGOLADZE, Ilia - SHAFI, Qaisar. Neutralinos and sleptons at the LHC in light of muon $(g-2)(\mu)$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 075033., Registrované v: WOS
5. [1.1] AMBROGI, Federico - KRAML, Sabine - KULKARNI, Suchita - LAA, Ursula - LESSA, Andre - WALTENBERGER, Wolfgang. On the coverage of the pMSSM by simplified model results. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 215., Registrované v: WOS
6. [1.1] ARCADI, Giorgio - DUTRA, Maira - GHOSH, Pradipta - LINDNER, Manfred - MAMBRINI, Yann - PIERRE, Mathias - PROFUMO, Stefano - QUEIROZ, Farinaldo S. The waning of the WIMP? A review of models, searches, and constraints. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 203., Registrované v: WOS
7. [1.1] ARCADI, G. - DJOUADI, A. - RAIDAL, M. Dark Matter through the Higgs portal. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, FEB 3 2020, vol. 842, p. 1-180., Registrované v: WOS
8. [1.1] ATHRON, P. - HARRIES, D. - WILLIAMS, A. G. Z' mass limits and the naturalness of supersymmetry. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 115024., Registrované v: WOS

9. [1.1] BARDHAN, Debjyoti - BHATTACHARYYA, Gautam - GHOSH, Diptimoy - PATRA, Monalisa - RAYCHAUDHURI, Sreerup. Detailed analysis of flavor-changing decays of top quarks as a probe of new physics at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015026., Registrované v: WOS
10. [1.1] BARDUCCI, D. - BELANGER, G. - BERNON, J. - BOUDJEMA, F. - DA SILVA, J. - KRAML, S. - LAA, U. - PUKHOV, A. Collider limits on new physics within micrOMEGAs_4.3. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 222, pp. 327-338., Registrované v: WOS
11. [1.1] BARMAN, Rahool Kumar - BHATTACHERJEE, Biplob - CHAKRABORTY, Amit - CHOUDHURY, Arghya. Study of MSSM heavy Higgs bosons decaying into charginos and neutralinos. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075013., Registrované v: WOS
12. [1.1] BARMAN, Rahool Kumar - BELANGER, Genevieve - BHATTACHERJEE, Biplob - GODBOLE, Rohini - MENDIRATTA, Gaurav - SENGUPTA, Dipan. Invisible decay of the Higgs boson in the context of a thermal and nonthermal relic in MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095018., Registrované v: WOS
13. [1.1] BELYAEV, Alexander S. - KING, Steve F. - SCHAEFERS, Patrick B. Muon $g-2$ and dark matter suggest nonuniversal gaugino masses: $SU(5) \times A(4)$ case study at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115002., Registrované v: WOS
14. [1.1] BERLIN, Asher - GORI, Stefania - LIN, Tongyan - WANG, Lian-Tao. Pseudoscalar portal dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 015005., Registrované v: WOS
15. [1.1] BEURIA, Jyotiranjana - DATA, Asesh Krishna - DEBNATH, Dipsikha - MATCHEV, Konstantin T. LHC collider phenomenology of minimal universal extra dimensions. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 226, pp. 187-205., Registrované v: WOS
16. [1.1] BOTHMANN, Enrico - FERRARESE, Piero - KRAUSS, Frank - KUTTIMALAI, Silvan - SCHUMANN, Steffen - THOMPSON, Jennifer. Aspects of perturbative QCD at a 100 TeV future hadron collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 034007., Registrované v: WOS
17. [1.1] BRAMANTE, Joseph - FOX, Patrick J. - MARTIN, Adam - OSTDIEK, Bryan - PLEHN, Tilman - SCHELL, Torben - TAKEUCHI, Michihisa. Relic neutralino surface at a 100 TeV collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 5, art. no. 054015., Registrované v: WOS
18. [1.1] CALIBBI, Lorenzo - LI, Tianjun - MUSTAFAYEV, Azar - RAZA, Shabbar. Improving naturalness in gauge mediation with nonunified messenger sectors. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115018., Registrované v: WOS
19. [1.1] CAO, Junjie - GUO, Xiaofei - HE, Yangle - WU, Peiwen - ZHANG, Yang. Diphoton signal of the light Higgs boson in natural NMSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 116001., Registrované v: WOS
20. [1.1] CARENA, Marcela - HABER, Howard E. - LOW, Ian - SHAH, Nausheen R. - WAGNER, Carlos E. M. Complementarity between nonstandard

- Higgs boson searches and precision Higgs boson measurements in the MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 3, art. no. 035003., Registrované v: WOS
21. [1.1] DATTA, Amitava - GANGULY, Nabanita - KHAN, Najimuddin - RAKSHIT, Subhendu. Exploring collider signatures of the inert Higgs doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015017., Registrované v: WOS
22. [1.1] DATTA, A. - GANGULY, N. The past, present and future of the heavier electroweakinos in the light of LHC and other data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 11 2019, no. 1., Registrované v: WOS
23. [1.1] DEUTSCHMANN, Nicolas - FLACKE, Thomas - KIM, Jong Soo. Current LHC constraints on minimal universal extra dimensions. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 771, pp. 515-520., Registrované v: WOS
24. [1.1] DOMINGO, F. - KIM, J.S. - LOZANO, V.M. - MARTIN-RAMIRO, P. - DE AUSTRI, R.R. Confronting the neutralino and chargino sector of the NMSSM with the multilepton searches at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 8 2020, vol. 101, no. 7., Registrované v: WOS
25. [1.1] DU, Guangle - LI, Tianjun - NANOPOULOS, D. V. - RAZA, Shabbar. Supernatural MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 2, art. no. 025038., Registrované v: WOS
26. [1.1] GRAHAM, Peter W. - KAPLAN, David E. - RAJENDRAN, Surjeet. Cosmological Relaxation of the Electroweak Scale. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 22, art. no. 221801., Registrované v: WOS
27. [1.1] GUO, Shu-Yuan - HAN, Zhi-Long - LIAO, Yi. Testing the type II radiative seesaw model: From dark matter detection to LHC signatures. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 115014., Registrované v: WOS
28. [1.1] HAMAGUCHI, Koichi - ISHIKAWA, Kazuya. Prospects for Higgs- and Z-resonant neutralino dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055009., Registrované v: WOS
29. [1.1] HAN, Chengcheng - WU, Lei - YANG, Jin Min - ZHANG, Mengchao - ZHANG, Yang. New approach for detecting a compressed bino/wino at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055030., Registrované v: WOS
30. [1.1] HARIGAYA, Keisuke - YANAGIDA, Tsutomu T. - YOKOZAKI, Norimi. Higgs boson mass of 125 GeV and $g-2$ of the muon in a gaugino mediation model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 7, art. no. 075010., Registrované v: WOS
31. [1.1] HUANG, Peisi - WAGNER, Carlos E. M. CMS kinematic edge from sbottoms. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 015014., Registrované v: WOS
32. [1.1] CHAKDAR, Shreyashi - GHOSH, Kirtiman - NANDI, S. Superworld without supersymmetry. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 754, pp. 162-166., Registrované v: WOS
33. [1.1] CHOUDHURY, Arghya - MONDAL, Subhadeep. Revisiting the exclusion limits from direct chargino-neutralino production at the LHC. In

- PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055024., Registrované v: WOS
34. [1.1] CHOUDHURY, Arghya - RAO, Soumya - ROSZKOWSKI, Leszek. Impact of LHC data on muon g-2 solutions in a vectorlike extension of the constrained MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075046., Registrované v: WOS
35. [1.1] KIM, Jong Soo - KRAUSS, Manuel E. - LOZANO, Victor Martin. Probing the electroweakino sector of general gauge mediation at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 150-157., Registrované v: WOS
36. [1.1] KOBAKHIDZE, Archil - TALIA, Matthew - WU, Lei. Probing the MSSM explanation of the muon g-2 anomaly in dark matter experiments and at a 100 TeV pp collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055023., Registrované v: WOS
37. [1.1] LI, Tianjun - RAZA, Shabbar. Electroweak supersymmetry from the generalized minimal supergravity model in the MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 5, art. no. 055016., Registrované v: WOS
38. [1.1] MUNIR, Shoaib. Light exotic Higgs bosons at the LHC. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC. ISSN 1742-6588, 2017, vol. 878, art. no. UNSP 012028., Registrované v: WOS
39. [1.1] PESKIN, Michael E. On the Trail of the Higgs Boson. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2016, vol. 528, no. 1-2, pp. 20-34., Registrované v: WOS
40. [1.1] POZZO, G. - ZHANG, Y. Constraining resonant dark matter with combined LHC electroweakino searches. In PHYSICS LETTERS B. ISSN 0370-2693, FEB 10 2019, vol. 789, p. 582-591., Registrované v: WOS
41. [1.1] VON DER PAHLEN, Federico - PALACIO, Guillermo - RESTREPO, Diego - ZAPATA, Oscar. Radiative type III seesaw model and its collider phenomenology. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 033005., Registrované v: WOS
42. [1.1] XIANG, Qian-Fei - BI, Xiao-Jun - YIN, Peng-Fei - YU, Zhao-Huan. Searching for singlino-Higgsino dark matter in the NMSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055031., Registrované v: WOS

ADCA825 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for direct slepton and gaugino production in final states with two leptons and missing transverse momentum with the ATLAS detector in pp collisions at root s=7 TeV. In *Physics Letters B*, 2013, vol. 718, no. 3, p. 879-901. (2012: 4.569 - IF, Q1 - JCR, 3.353 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2012.11.058>

Ohlasy:

1. [1.1] ARBEY, A. - BATTAGLIA, M. - MAHMOUDI, F. Higgs production in neutralino decays in the MSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 3, art. no. 108., Registrované v: WOS
2. [1.1] EGANA-UGRINOVIC, Daniel - LOW, Matthew -

RUDERMAN, Joshua T. Charged fermions below 100 GeV. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 012., Registrované v: WOS

3. [1.1] ELAHI, Fatemeh - MARTIN, Adam. Using the modified matrix element method to constrain L-mu-L-tau interactions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015021., Registrované v: WOS

4. [1.1] ENDO, M. - HAMAGUCHI, K. - IWAMOTO, S. - KITAHARA, T. Muon g - 2 vs LHC Run 2 in supersymmetric models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 24 2020, no. 4., Registrované v: WOS

5. [1.1] FUKS, B. - KLASSEN, M. - LAMPREA, D. R. - ROTHERING, M. Precision predictions for direct gaugino and slepton production at the LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 479-483., Registrované v: WOS

6. [1.1] FUKS, B. - NORDSTROM, K. - RUIZ, R. - WILLIAMSON, S.L. Sleptons without hadrons. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 11 2019, vol. 100, no. 7., Registrované v: WOS

ADCA826 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABED ABUD, A. - ABELING, K. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for direct stau production in events with two hadronic tau-leptons in root s=13 TeV pp collisions with the ATLAS detector. In *Physical Review D*, 2020, vol. 101, no. 3, art. no. 032009. (2019: 4.833 - IF, Q1 - JCR, 1.664 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.101.032009>

Ohlasy:

1. [1.1] CHAKRABORTI, M. - HEINEMEYER, S. - SAHA, I. Improved (g-2)(mu) measurements and supersymmetry. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 23 2020, vol. 80, no. 10., Registrované v: WOS

2. [1.1] STEGGEMANN, J. Extended Scalar Sectors. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 197-223., Registrované v: WOS

ADCA827 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for direct third-generation squark pair production in final states with missing transverse momentum and two b-jets in root s=8 TeV pp collisions with the ATLAS detector. In *Journal of High Energy Physics*, 2013, vol. 2013, no. 10, art. no. 189. (2012: 5.618 - IF, 1.475 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP10\(2013\)189](https://doi.org/10.1007/JHEP10(2013)189)

Ohlasy:

1. [1.1] ABRAHANTES, A. - ARGANDA, E. - PENARANDA, S. Top-quark polarization and asymmetries at the LHC in the effective description of squark interactions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 1, art. no. 37., Registrované v: WOS

2. [1.1] AMBROGI, Federico - KRAML, Sabine - KULKARNI, Suchita - LAA, Ursula - LESSA, Andre - MAGERL, Veronika - SONNEVELD, Jory -

TRAUB, Michael - WALTENBERGER, Wolfgang. SModelS v1.1 user manual: Improving simplified model constraints with efficiency maps. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 227, pp. 72-98., Registrované v: WOS

3. [1.1] AMBROGI, Federico - KRAML, Sabine - KULKARNI, Suchita - LAA, Ursula - LESSA, Andre - WALTENBERGER, Wolfgang. On the coverage of the pMSSM by simplified model results. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 215., Registrované v: WOS

4. [1.1] ANANDAKRISHNAN, Archana - COLLINS, Jack H. - FARINA, Marco - KUFLIK, Eric - PERELSTEIN, Maxim. Odd top partners at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075009., Registrované v: WOS

5. [1.1] ARBEY, A. - BATTAGLIA, M. - MAHMOUDI, F. Higgs production in neutralino decays in the MSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 3, art. no. 108., Registrované v: WOS

6. [1.1] BARDHAN, Debjyoti - BHATTACHARYYA, Gautam - GHOSH, Diptimoy - PATRA, Monalisa - RAYCHAUDHURI, Sreerup. Detailed analysis of flavor-changing decays of top quarks as a probe of new physics at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015026., Registrované v: WOS

7. [1.1] BEURIA, Jyotiranjana - DATA, Asesh Krishna - DEBNATH, Dipsikha - MATCHEV, Konstantin T. LHC collider phenomenology of minimal universal extra dimensions. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 226, pp. 187-205., Registrované v: WOS

8. [1.1] BUCKLEY, Matthew R. - FELD, David - GONCALVES, Dorival. Scalar simplified models for dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 015017., Registrované v: WOS

9. [1.1] COLLINS, Jack H. - DROR, Jeff Asaf - FARINA, Marco. Mixed stops and the ATLAS on-Z excess. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095022., Registrované v: WOS

10. [1.1] DERCKS, Daniel - MOORTGAT-PICK, Gudrid - REUTER, Juergen - SHIM, So Young. The fate of the littlest Higgs model with T-parity under 13 TeV LHC data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 049., Registrované v: WOS

11. [1.1] DREES, Manuel - KIM, Jong Soo. Minimal natural supersymmetry after the LHC8. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 095005., Registrované v: WOS

12. [1.1] DUMONT, Beranger - NISHIWAKI, Kenji - WATANABE, Ryoutaro. LHC constraints and prospects for S-1 scalar leptoquark explaining the $(B \rightarrow D^{(*)} \tau \nu)$ anomaly. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 034001., Registrované v: WOS

13. [1.1] FERRETTI, Gabriele - FRANCESCHINI, Roberto - PETERSSON, Christoffer - TORRE, Riccardo. Monojetlike Searches for Top Squarks with a b Tag. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 20, art. no. 201801., Registrované v: WOS

14. [1.1] FREYTSIS, Marat - LIGETI, Zoltan - RUDERMAN, Joshua T. Flavor models for $(B \rightarrow D^{(*)} \tau \nu)$. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 054018., Registrované v: WOS

15. [1.1] FREYTSIS, Marat - VOLANSKY, Tomer - WALSH, Jonathan R. Tagging partially reconstructed objects with jet substructure. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 769, pp. 333-338., Registrované v: WOS
16. [1.1] GONCALVES, Dorival - SAKURAI, Kazuki - TAKEUCHI, Michihisa. Monotop signature from the supersymmetric $t(\bar{t})$ over $\bar{b}H$ channel. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075009., Registrované v: WOS
17. [1.1] HAMAGUCHI, Koichi - LIEW, Seng Pei. Models of a 750 GeV quarkonium and the LHC excesses. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035012., Registrované v: WOS
18. [1.1] HIKASA, Ken-ichi - LI, Jinmian - WU, Lei - YANG, Jin Min. Single top squark production as a probe of natural supersymmetry at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 035003., Registrované v: WOS
19. [1.1] HUANG, Peisi - WAGNER, Carlos E. M. CMS kinematic edge from sbottoms. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 015014., Registrované v: WOS
20. [1.1] CHENG, Taoli - LI, Jinmian - LI, Tianjun. Supersymmetry with a heavy lightest supersymmetric particle. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 6, art. no. 065004., Registrované v: WOS
21. [1.1] KAWAMURA, Junichiro - OMURA, Yuji. Constraints on nonuniversal gaugino mass scenario using the latest LHC data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055019., Registrované v: WOS
22. [1.1] KIM, Jong Soo - SCHMEIER, Daniel - TATTERSALL, Jamie. Role of the 'N' in the natural NMSSM for the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055018., Registrované v: WOS
23. [1.1] KIM, J. S. - ROLBIECKI, K. - RUIZ, R. - TATTERSALL, J. - WEBER, T. Prospects for natural SUSY. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 095013., Registrované v: WOS
24. [1.1] KOUDA, Yusaku - KON, Tadashi - KURIHARA, Yoshimasa - ISHIKAWA, Tadashi - JIMBO, Masato - KATO, Kiyoshi - KURODA, Masaaki. One loop effects of natural SUSY in third generation fermion production at the ILC. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2017, no. 5, art. no. 053B02., Registrované v: WOS
25. [1.1] LIEW, Seng Pei - PAPUCCI, Michele - VICH, Alessandro - ZUREK, Kathryu M. Mono-X versus direct searches: simplified models for dark matter at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 6, art. no. 082., Registrované v: WOS
26. [1.1] LI, Jinmian - WILLIAMS, Anthony G. Tau reconstruction methods at an electron-positron collider in the search for new physics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075019., Registrované v: WOS
27. [1.1] VIGNAROLI, N. Seeking leptoquarks in the $t(\bar{t})$ over $\bar{b}l$ plus missing energy channel at the high-luminosity LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 15 2019, vol. 99, no. 3., Registrované v: WOS
28. [1.1] WAGNER-KUHR, Jeannine. EXPERIMENTAL STUDIES OF

ADCA828 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for Direct Top Squark Pair Production in Final States with One Isolated Lepton, Jets, and Missing Transverse Momentum in $\sqrt{s}=7$ TeV pp Collisions Using 4.7 fb⁻¹ of ATLAS Data. In *Physical Review Letters*, 2012, vol. 109, no. 21, art. no. 211803. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.109.211803>

Ohlasy:

1. [1.1] ALVARADO, C. - DELGADO, A. - MARTIN, A. - OSTDIEK, B. Dirac triplet extension of the MSSM. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 035009., Registrované v: WOS
2. [1.1] ARTYMOWSKI, Michal - LEWICKI, Marek - WELLS, James D. Gravitational wave and collider implications of electroweak baryogenesis aided by non-standard cosmology. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2017, no. 3, art. no. 066., Registrované v: WOS
3. [1.1] BAGLIO, J. - KRAUSS, C. O. - MUEHLLEITNER, M. - WALZ, K. Next-to-leading order NMSSM decays with CP-odd Higgs bosons and stops. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2015, no. 10, art. no. 024., Registrované v: WOS
4. [1.1] BARTL, A. - EBERL, H. - GININA, E. - HIDAKA, K. - MAJEROTTO, W. $h(0) \rightarrow c\bar{c}$ as a test case for quark flavor violation in the MSSM. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 015007., Registrované v: WOS
5. [1.1] BELYAEV, Alexander - SANZ, Veronica - THOMAS, Marc. Towards model-independent exclusion of light Stops. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2016, no. 1, art. no. 102., Registrované v: WOS
6. [1.1] BERGGREN, M. - CAKIR, A. - KRUECKER, D. - LIST, J. - MELZER-PELLMANN, I.A. - SAMANI, B. Safarzadeh - SEITZ, C. - WAYAND, S. Non-simplified SUSY: $(\tau\tilde{\nu})$ -coannihilation at LHC and ILC. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2016, vol. 76, no. 4, art. no. 183., Registrované v: WOS
7. [1.1] DERCKS, Daniel - MOORTGAT-PICK, Gudrid - REUTER, Juergen - SHIM, So Young. The fate of the littlest Higgs model with T-parity under 13 TeV LHC data. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2018, no. 5, art. no. 049., Registrované v: WOS
8. [1.1] HAN, T. - ISMAIL, A. - HAGHI, B.S.E. SUSY signals from QCD production at the upgraded LHC. In *PHYSICS LETTERS B*. ISSN 0370-2693, JUN 10 2019, vol. 793, p. 354-359., Registrované v: WOS
9. [1.1] KHAN, R.M. - AL-JUAID, M. - AL-MUTAIRI, H. - BIBIN, G. - ALCHIN, J. - MATROUD, A. - BURROWS, V. - TAN, I. - ZAYER, S. - NAIDV, B. - KALANTAN, B. - ARABI, Y.M. Implementing the comprehensive unit-based safety program model to improve the management of mechanically ventilated patients in Saudi Arabia. In *AMERICAN JOURNAL OF INFECTION CONTROL*. ISSN 0196-6553, JAN 2019, vol. 47, no. 1, p. 51-58., Registrované v: WOS

10. [1.1] LIU, G.L. - ZENG, Q.G. Muon g-2 anomaly confronted with the higgs global data in the left-right twin Higgs models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 19 2019, vol. 79, no. 7., Registrované v: WOS
11. [1.1] Ruling Out Light Stops. In BEYOND STANDARD MODEL COLLIDER PHENOMENOLOGY OF HIGGS PHYSICS AND SUPERSYMMETRY. ISSN 2190-5053, 2016, pp. 75-94., Registrované v: WOS
12. [1.1] SCHLAFFER, M. - SPANNOWSKY, M. - WEILER, A. Searching for supersymmetry scalelessly. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 8, art. no. 457., Registrované v: WOS

ADCA829 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for direct top squark pair production in events with a boson, -jets and missing transverse momentum in TeV collisions with the ATLAS detector. In *European Physical Journal C*, 2014, vol. 74, no. 6, art. no. 2883. (2013: 5.436 - IF, Q1 - JCR, 2.323 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-014-2883-6>

Ohlasy:

1. [1.1] AMBROGI, Federico - KRAML, Sabine - KULKARNI, Suchita - LAA, Ursula - LESSA, Andre - WALTENBERGER, Wolfgang. On the coverage of the pMSSM by simplified model results. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 215., Registrované v: WOS
2. [1.1] BEURIA, Jyotiranjana - DATA, Asesh Krishna - DEBNATH, Dipsikha - MATCHEV, Konstantin T. LHC collider phenomenology of minimal universal extra dimensions. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 226, pp. 187-205., Registrované v: WOS
3. [1.1] COLLINS, Jack H. - DROR, Jeff Asaf - FARINA, Marco. Mixed stops and the ATLAS on-Z excess. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095022., Registrované v: WOS
4. [1.1] DERCKS, Daniel - MOORTGAT-PICK, Gudrid - REUTER, Juergen - SHIM, So Young. The fate of the littlest Higgs model with T-parity under 13 TeV LHC data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 049., Registrované v: WOS
5. [1.1] FERRETTI, Gabriele - FRANCESCHINI, Roberto - PETERSSON, Christoffer - TORRE, Riccardo. Monojetlike Searches for Top Squarks with a b Tag. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 20, art. no. 201801., Registrované v: WOS
6. [1.1] HOLDOM, Bob - RATZLAFF, Melissa. Heavy Higgs decay to $t(\bar{t})\gamma$ and constraints on a 750 GeV pseudoscalar. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015020., Registrované v: WOS
7. [1.1] KANG, Zhaofeng - LI, Jinmian - ZHANG, Mengchao. Uncover compressed supersymmetry via boosted bosons from the heavier stop/sbottom. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 6, art. no. 371., Registrované v: WOS

ADCA830 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Search for direct top squark pair production in final states with two leptons in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. In *European Physical Journal C*, 2017, vol. 77, no. 12, art. no. 898. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-017-5445-x>

Ohlasy:

1. [1.1] ABDUGHANI, M. - REN, J. - WU, L. - YANG, J.M. Probing stop pair production at the LHC with graph neural networks. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, AUG 9 2019, no. 8., Registrované v: WOS
2. [1.1] ARHRIB, A. - BENBRIK, R. - HAROUIZ, H. - MORETTI, S. - ROUCHAD, A. A Guidebook to Hunting Charged Higgs Bosons at the LHC. In *FRONTIERS IN PHYSICS*. ISSN 2296-424X, MAR 10 2020, vol. 8., Registrované v: WOS
3. [1.1] BAGNASCHI, E. - BAHL, H. - FUCHS, E. - HAHN, T. - HEINEMEYER, S. - LIEBLER, S. - PATEL, S. - SLAVICH, P. - STEFANIAK, T. - WAGNER, C.E.M. - WEIGLEIN, G. MSSM Higgs boson searches at the LHC: benchmark scenarios for Run 2 and beyond. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, JUL 20 2019, vol. 79, no. 7., Registrované v: WOS
4. [1.1] BERNIGAUD, J. - HERRMANN, B. First steps towards the reconstruction of the squark flavour structure. In *SCIPOST PHYSICS*. ISSN 2542-4653, JUN 2019, vol. 6, no. 6., Registrované v: WOS
5. [1.1] BEVILACQUA, G. - HARTANTO, H.B. - KRAUS, M. - WEBER, T. - WOREK, M. Towards constraining dark matter at the LHC: higher order QCD predictions for $t(\bar{t}) + Z(Z \rightarrow \nu(l)\bar{\nu}(l))$. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, NOV 4 2019, no. 11., Registrované v: WOS
6. [1.1] COLUCCI, Stefano - FUKS, Benjamin - GIACCHINO, Federica - HONOREZ, Laura Lopez - TYTGAT, Michel H. G. - VANDECASTEELE, Jerome. Top-philic vectorlike portal to scalar dark matter. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035002., Registrované v: WOS
7. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In *FRONTIERS IN PHYSICS*. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
8. [1.1] CURTIN, D. - SETFORD, J. Signatures of mirror stars. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, MAR 9 2020, no. 3., Registrované v: WOS
9. [1.1] DAS, S.P. - FRAGA, J.F. - AVILA, C. Production of a light top-squark pair in association with a light non-SM Higgs boson within the NMSSM from proton-proton collisions at $\sqrt{s}=13$ TeV and 33 TeV. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, AUG 10 2019, vol. 34, no. 22., Registrované v: WOS
10. [1.1] GARNY, Mathias - HEISIG, Jan - HUFNAGEL, Marco - LUELF, Benedikt. Top-philic dark matter within and beyond the WIMP paradigm. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075002., Registrované v: WOS

11. [1.1] GHOSH, D.K. - HUITU, K. - MONDAL, S. - MITRA, M.
Same-sign trilepton signal for stop quark in the presence of sneutrino dark matter.
In PHYSICAL REVIEW D. ISSN 1550-7998, APR 15 2019, vol. 99, no. 7.,
Registrované v: WOS
12. [1.1] KAR, Arpan - MITRA, Sourav - MUKHOPADHYAYA,
Biswarup - CHOUDHURY, Tirthankar Roy. Dark matter, extra-terrestrial
gamma-rays and the MSSM: a viability study. In JOURNAL OF COSMOLOGY
AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 2, art. no. 045.,
Registrované v: WOS
13. [1.1] KIM, J.H. - LANE, S.D. - LEE, H.S. - LEWIS, I.M. -
SULLIVAN, M. Searching for dark photons with maverick top partners. In
PHYSICAL REVIEW D. ISSN 2470-0010, FEB 28 2020, vol. 101, no. 3.,
Registrované v: WOS
14. [1.1] SMARANDA, D.D. - MILLER, D.J. Scherk-Schwarz orbifolds
at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol.
100, no. 7., Registrované v: WOS

ADCA831 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. -
BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Search for direct top
squark pair production in events with a Higgs or Z boson, and missing transverse
momentum in root s=13 TeV pp collisions with the ATLAS detector. In *Journal of
High Energy Physics*, 2017, no. 8, art. no. 006. (2016: 6.063 - IF, Q1 - JCR, 1.163 -
SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS,
SCOPUS). ISSN 1029-8479. Dostupné na:
[https://doi.org/10.1007/JHEP08\(2017\)006](https://doi.org/10.1007/JHEP08(2017)006)

Ohlasy:

1. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. -
WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS.
ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
2. [1.1] DAS, S.P. - FRAGA, J.F. - AVILA, C. Production of a light
top-squark pair in association with a light non-SM Higgs boson within the
NMSSM from proton-proton collisions at root s=13 TeV and 33 TeV. In
INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X,
AUG 10 2019, vol. 34, no. 22., Registrované v: WOS
3. [1.1] DOMINGO, F. - KIM, J.S. - LOZANO, V.M. -
MARTIN-RAMIRO, P. - DE AUSTRI, R.R. Confronting the neutralino and
chargino sector of the NMSSM with the multilepton searches at the LHC. In
PHYSICAL REVIEW D. ISSN 2470-0010, APR 8 2020, vol. 101, no. 7.,
Registrované v: WOS
4. [1.1] FUKS, Benjamin - KLASSEN, Michael - SCHMIEMANN,
Saskia - SUNDER, Marthijn. Realistic simplified gaugino-higgsino models in the
MSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol.
78, no. 3, art. no. 209., Registrované v: WOS
5. [1.1] GHOSH, D.K. - HUITU, K. - MONDAL, S. - MITRA, M.
Same-sign trilepton signal for stop quark in the presence of sneutrino dark matter.
In PHYSICAL REVIEW D. ISSN 1550-7998, APR 15 2019, vol. 99, no. 7.,
Registrované v: WOS
6. [1.1] SMARANDA, D.D. - MILLER, D.J. Scherk-Schwarz orbifolds
at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol.
100, no. 7., Registrované v: WOS

ADCA832 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for direct top squark pair production in final states with two tau leptons in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *European Physical Journal C*, 2016, vol. 76, no. 2, art. no. 81. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-3897-z>

Ohlasy:

1. [1.1] BEURIA, Jyotiranjana - DATA, Asesh Krishna - DEBNATH, Dipsikha - MATCHEV, Konstantin T. LHC collider phenomenology of minimal universal extra dimensions. In *COMPUTER PHYSICS COMMUNICATIONS*. ISSN 0010-4655, 2018, vol. 226, pp. 187-205., Registrované v: WOS
2. [1.1] BUYUKDAG, Y. - GHERGHETTA, T. - MILLER, A.S. Partially composite supersymmetry. In *PHYSICAL REVIEW D*. ISSN 2470-0010, FEB 28 2019, vol. 99, no. 3., Registrované v: WOS
3. [1.1] KAMENIK, J.F. - KATZ, A. - STOLARSKI, D. On lepton flavor universality in top quark decays. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, JAN 4 2019, no. 1., Registrované v: WOS

ADCA833 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for direct top-squark pair production in final states with two leptons in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2014, vol. 2014, no. 6, art. no. 124. (2013: 6.220 - IF, Q1 - JCR, 1.173 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP06\(2014\)124](https://doi.org/10.1007/JHEP06(2014)124)

Ohlasy:

1. [1.1] AEBISCHER, Jason - CRIVELLIN, Andreas - GREUB, Christoph - YAMADA, Youichi. The MSSM without gluinos; an effective field theory for the stop sector. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2017, vol. 77, no. 11, art. no. 740., Registrované v: WOS
2. [1.1] ALLANACH, Ben - RAKLEV, Are - KVELLESTAD, Anders. Consistency of the recent ATLAS Z + E-T(miss) excess in a simplified general gauge mediation model. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2015, vol. 91, no. 9, art. no. UNSP 095016., Registrované v: WOS
3. [1.1] AMBROGI, Federico - KRAML, Sabine - KULKARNI, Suchita - LAA, Ursula - LESSA, Andre - WALTENBERGER, Wolfgang. On the coverage of the pMSSM by simplified model results. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 215., Registrované v: WOS
4. [1.1] AN, Haipeng - WANG, Lian-Tao. Opening Up the Compressed Region of Top Squark Searches at 13 TeV LHC. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2015, vol. 115, no. 18, art. no. 181602., Registrované v: WOS
5. [1.1] ARBEY, Alexandre - BATTAGLIA, Marco - COVI, Laura - HASENKAMP, Jasper - MAHMOUDI, Farvah. LHC constraints on gravitino dark matter. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 115008., Registrované v: WOS
6. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. -

- MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of heavy Higgs bosons decaying invisibly at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS
7. [1.1] BEURIA, Jyotiranjana - DATA, Asesh Krishna - DEBNATH, Dipsikha - MATCHEV, Konstantin T. LHC collider phenomenology of minimal universal extra dimensions. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 226, pp. 187-205., Registrované v: WOS
8. [1.1] CAI, Yi - GARCIA, Juan Herrero - SCHMIDT, Michael A. - VICENTE, Avelino - VOLKAS, Raymond R. From the Trees to the Forest: A Review of Radiative Neutrino Mass Models. In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2017, vol. 5, art. no. 63., Registrované v: WOS
9. [1.1] CAI, Yi - HAN, Tao - LI, Tong - RUIZ, Richard. Lepton Number Violation: Seesaw Models and Their Collider Tests. In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2018, vol. 6, art. no. 40., Registrované v: WOS
10. [1.1] DERCKS, Daniel - MOORTGAT-PICK, Gudrid - REUTER, Juergen - SHIM, So Young. The fate of the littlest Higgs model with T-parity under 13 TeV LHC data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 049., Registrované v: WOS
11. [1.1] DEUTSCHMANN, Nicolas - FLACKE, Thomas - KIM, Jong Soo. Current LHC constraints on minimal universal extra dimensions. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 771, pp. 515-520., Registrované v: WOS
12. [1.1] DIAMANTI, Roberta - CABRERA CATALAN, Maria Eugenia - ANDO, Shin'ichiro. Dark matter protohalos in a nine parameter MSSM and implications for direct and indirect detection. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 6, art. no. 065029., Registrované v: WOS
13. [1.1] DREES, Manuel - KIM, Jong Soo. Minimal natural supersymmetry after the LHC8. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 095005., Registrované v: WOS
14. [1.1] FERRETTI, Gabriele - FRANCESCHINI, Roberto - PETERSSON, Christoffer - TORRE, Riccardo. Monojetlike Searches for Top Squarks with a b Tag. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 20, art. no. 201801., Registrované v: WOS
15. [1.1] GROEBER, Ramona - MUEHLLEITNER, Margarete - POPENDA, Eva - WLOTZKA, Alexander. Light stop decays into $Wb(\chi)_{\overline{1}(0)}$ near the kinematic threshold. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 144-151., Registrované v: WOS
16. [1.1] CHAKRABORTY, Sabyasachi - DATTA, Asesh Krishna - HUITU, Katri - ROY, Sourov - WALTARI, Harri. Light top squarks in a $U(1)(R)$ lepton number model with a right handed neutrino and the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075005., Registrované v: WOS
17. [1.1] CHENG, Taoli - LI, Jinmian - LI, Tianjun. Supersymmetry with a heavy lightest supersymmetric particle. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 6, art. no. 065004., Registrované v: WOS
18. [1.1] IBARRA, A. - PIERCE, A. - SHAH, N. R. - VOGL, S. Anatomy of coannihilation with a scalar top partner. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 9, art. no. 095018., Registrované v: WOS
19. [1.1] KIM, Jong Soo - SCHMEIER, Daniel - TATTERSALL, Jamie.

Role of the 'N' in the natural NMSSM for the LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055018., Registrované v: WOS
 20. [1.1] ROLBIECKI, Krzysztof - TATTERSALL, Jamie. Refining light stop exclusion limits with $W+W^-$ cross sections. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2015, vol. 750, pp. 247-251., Registrované v: WOS

ADCA834 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for displaced muonic lepton jets from light Higgs boson decay in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *Physics Letters B*, 2013, vol. 721, no. 1-3, p. 32-50. (2012: 4.569 - IF, Q1 - JCR, 3.353 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2013.02.058>

Ohlasy:

1. [1.1] BUCHMUELLER, Oliver - DE ROECK, Albert - HAHN, Kristian - MCCULLOUGH, Matthew - SCHWALLER, Pedro - SUNG, Kevin - YU, Tien-Tien. Simplified models for displaced dark matter signatures. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2017, no. 9, art. no. 076., Registrované v: WOS
2. [1.1] CLARKE, Jackson D. Constraining portals with displaced Higgs decay searches at the LHC. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2015, no. 10, art. no. 061., Registrované v: WOS
3. [1.1] CRAIG, Nathaniel - KATZ, Andrey - STRASSLER, Matt - SUNDRUM, Raman. Naturalness in the dark at the LHC. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2015, no. 7, art. no. 105., Registrované v: WOS
4. [1.1] DAVOLI, Alessandro - DE SIMONE, Andrea - JACQUES, Thomas - SANZ, Veronica. Displaced vertices from pseudo-Dirac dark matter. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2017, no. 11, art. no. 025., Registrované v: WOS
5. [1.1] JANA, Sudip - OKADA, Nobuchika - RAUT, Digesh. Displaced vertex signature of type-I seesaw model. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035023., Registrované v: WOS
6. [1.1] LIU, Zhen - TWEEDIE, Brock. The fate of long-lived superparticles with hadronic decays after LHC Run 1. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2015, no. 6, art. no. 042., Registrované v: WOS

ADCA835 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for displaced vertices arising from decays of new heavy particles in 7 TeV pp collisions at ATLAS. In *Physics Letters B*, 2012, vol. 707, no. 5, p. 478-496. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2011.12.057>

Ohlasy:

1. [1.1] CRAIG, Nathaniel - KATZ, Andrey - STRASSLER, Matt - SUNDRUM, Raman. Naturalness in the dark at the LHC. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2015, no. 7, art. no. 105., Registrované v: WOS

2. [1.1] FUKUDA, Hajime - NAGATA, Natsumi - OTONO, Hidetoshi - SHIRAI, Satoshi. Higgsino dark matter or not: Role of disappearing track searches at the LHC and future colliders. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 781, pp. 306-311., Registrované v: WOS
3. [1.1] LIU, Zhen - TWEEDIE, Brock. The fate of long-lived superparticles with hadronic decays after LHC Run 1. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 042., Registrované v: WOS
4. [1.1] LI, Chong Sheng. Search for the Signal of Monotop Production at the Early LHC. In QCD HIGHER-ORDER EFFECTS AND SEARCH FOR NEW PHYSICS. ISSN 2190-5053, 2016, pp. 107-129., Registrované v: WOS
5. [1.1] LI, Wen Jun - NG, J. N. Doubly charged vector leptons and the Higgs portal. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 095012., Registrované v: WOS
6. [1.1] MAIEZZA, Alessio - NEMEVSEK, Miha - NESTI, Fabrizio. Lepton Number Violation in Higgs Decay at LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 8, art. no. 081802., Registrované v: WOS
7. [1.1] MAIEZZA, Alessio - NEMEVSEK, Miha - NESTI, Fabrizio. LNV Higgses at LHC. In CETUP 2015 WORKSHOP ON DARK MATTER, NEUTRINO PHYSICS AND ASTROPHYSICS & PPC 2015 IXTH INTERNATIONAL CONFERENCE ON INTERCONNECTIONS BETWEEN PARTICLE PHYSICS AND COSMOLOGY. ISSN 0094-243X, 2016, vol. 1743, art. no. 030008., Registrované v: WOS
8. [1.1] NAGATA, Natsumi - OTONO, Hidetoshi - SHIRAI, Satoshi. Probing bino-gluino coannihilation at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 748, pp. 24-29., Registrované v: WOS
9. [1.1] NEMEVSEK, Miha - NESTI, Fabrizio - POPARA, Goran. Keung-Senjanovic process at the LHC: From lepton number violation to displaced vertices to invisible decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115018., Registrované v: WOS
10. [1.1] SCHWALLER, Pedro - STOLARSKI, Daniel - WEILER, Andreas. Emerging jets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 5, art. no. 059., Registrované v: WOS

ADCA836 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s}=13\text{TeV}$. In *European Physical Journal C*, 2018, vol. 78, no. 3, art. no. 199. (2017: 5.172 - IF, Q1 - JCR, 2.022 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-018-5661-z>

Ohlasy:

1. [1.1] ABOUBRAHIM, Amin - NATH, Pran. Naturalness, the hyperbolic branch, and prospects for the observation of charged Higgs bosons at high luminosity LHC and 27 TeV LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095024., Registrované v: WOS
2. [1.1] ARBELAEZ, C. - HELO, J.C. - HIRSCH, M. Long-lived heavy particles in neutrino mass models. In PHYSICAL REVIEW D. ISSN 2470-0010,

SEP 3 2019, vol. 100, no. 5., Registrované v: WOS

3. [1.1] BANERJEE, A. - BHATTACHARYYA, G. - KUMAR, N.
Impact of Yukawa-like dimension-five operators on the Georgi-Machacek model.
In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 19 2019, vol. 99, no. 3.,
Registrované v: WOS

4. [1.1] BARDUCCI, Daniele - DE CURTIS, Stefania - REDI, Michele
- TESI, Andrea. An almost elementary Higgs: theory and practice. In JOURNAL
OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 017.,
Registrované v: WOS

5. [1.1] BARMAN, B. - BHATTACHARYYA, S. - GHOSH, P. -
KADAM, S. - SAHU, N. Fermion dark matter with scalar triplet at direct and
collider searches. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 18 2019,
vol. 100, no. 1., Registrované v: WOS

6. [1.1] BORAH, Debasish - FUKS, Benjamin - GOSWAMI, Deepanjali
- POULOSE, P. Investigating the scalar sector of left-right symmetric models
with leptonic probes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol.
98, no. 3, art. no. 035008., Registrované v: WOS

7. [1.1] BORGOHAIN, H. - DAS, M.K. - BORAH, D.
Phenomenological study of texture zeros in lepton mass matrices of minimal
left-right symmetric model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN
1029-8479, JUN 14 2019, no. 6., Registrované v: WOS

8. [1.1] BUONOCORE, L. - NASON, P. - TRAMONTANO, F. -
ZANDERIGHI, G. Leptons in the proton. In JOURNAL OF HIGH ENERGY
PHYSICS. ISSN 1029-8479, AUG 4 2020, no. 8., Registrované v: WOS

9. [1.1] CAI, Yi - HAN, Tao - LI, Tong - RUIZ, Richard. Lepton
Number Violation: Seesaw Models and Their Collider Tests. In FRONTIERS IN
PHYSICS. ISSN 2296-424X, 2018, vol. 6, art. no. 40., Registrované v: WOS

10. [1.1] CARRATTA, G. Search for exotic particles in multileptonic
final states with the ATLAS detector. In NUOVO CIMENTO C-COLLOQUIA
AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, MAR-JUN 2020,
vol. 43, no. 2-3., Registrované v: WOS

11. [1.1] CEPEDELLO, R. - HIRSCH, M. - ROCHA-MORAN, P. -
VICENTE, A. Minimal 3-loop neutrino mass models and charged lepton flavor
violation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG
17 2020, no. 8., Registrované v: WOS

12. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. -
WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS.
ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS

13. [1.1] DE MELO, T.B. - QUEIROZ, F.S. - VILLAMIZAR, Y. Doubly
charged scalar at the High-Luminosity and High-Energy LHC. In
INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X,
SEP 30 2019, vol. 34, no. 27., Registrované v: WOS

14. [1.1] DEV, P.S.B. - KHAN, S. - MITRA, M. - RAI, S.K.
Doubly-charged Higgs boson at a future electron-proton collider. In PHYSICAL
REVIEW D. ISSN 2470-0010, JUN 11 2019, vol. 99, no. 11., Registrované v:
WOS

15. [1.1] DEY, A. - LAHIRI, J. - MUKHOPADHYAYA, B. LHC signals
of triplet scalars as dark matter portal: cut-based approach and improvement with
gradient boosting and neural networks. In JOURNAL OF HIGH ENERGY
PHYSICS. ISSN 1029-8479, JUN 19 2020, no. 6., Registrované v: WOS

16. [1.1] FERREIRA, M.M. - DE MELO, T.B. - KOVALENKO, S. - PINHEIRO, P.R.D. - QUEIROZ, F.S. Lepton flavor violation and collider searches in a type I plus II seesaw model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
17. [1.1] FILIMONOVA, A. - SCHAFER, R. - WESTHOFF, S. Probing dark sectors with long-lived particles at Belle II. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 7 2020, vol. 101, no. 9., Registrované v: WOS
18. [1.1] FRANK, M. - FUKS, B. - HUITU, K. - MONDAL, S. - RAI, S.K. - WALTARI, H. Left-right supersymmetric option at a high-energy upgrade of the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 12 2020, vol. 101, no. 11., Registrované v: WOS
19. [1.1] GARDNER, S. - YAN, X.S. Light scalars with lepton number to solve the $(g-2)(e)$ anomaly. In PHYSICAL REVIEW D. ISSN 1550-7998, OCT 14 2020, vol. 102, no. 7., Registrované v: WOS
20. [1.1] GHOSH, Tathagata - JANA, Sudip - NANDI, S. Neutrino mass from Higgs quadruplet and multicharged Higgs searches at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115037., Registrované v: WOS
21. [1.1] GLUZA, J. - KORDIACZYNSKA, M. - SRIVASTAVA, T. Doubly Charged Higgs Bosons and Spontaneous Symmetry Breaking at eV and TeV Scales. In SYMMETRY-BASEL. JAN 2020, vol. 12, no. 1., Registrované v: WOS
22. [1.1] GUO, C. - GUO, S.Y. - LIAO, Y. Dark matter and LHC phenomenology of a scale-invariant scotogenic model. In CHINESE PHYSICS C. ISSN 1674-1137, OCT 2019, vol. 43, no. 10., Registrované v: WOS
23. [1.1] HAO, Y.L. Connection between $\nu n \rightarrow (\nu)\overline{(\nu)}$ reactions and $n\text{-(}\overline{n}\text{)}$ oscillations via additional Higgs triplet bosons. In PHYSICAL REVIEW D. ISSN 1550-7998, MAR 24 2020, vol. 101, no. 5., Registrované v: WOS
24. [1.1] HERRERO-GARCIA, J. - SCHMIDT, M.A. Neutrino mass models: new classification and model-independent upper limits on their scale. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
25. [1.1] HUITU, K. A minimal supersymmetric left-right model, dark matter and signals at the LHC. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 21, SI, p. 3187-3203., Registrované v: WOS
26. [1.1] CHATTERJEE, A. - FRANK, M. - FUKS, B. - HUITU, K. - MONDAL, S. - RAI, S.K. - WALTARI, H. Multileptonic signals of co-annihilating left-right supersymmetric dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 15 2019, vol. 99, no. 3., Registrované v: WOS
27. [1.1] CHAUHAN, G. Vacuum stability and symmetry breaking in left-right symmetric model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 18 2019, no. 12., Registrované v: WOS
28. [1.1] CHUN, E.J. - KHAN, S. - MANDAL, S. - MITRA, M. - SHIL, S. Same-sign tetralepton signature at the Large Hadron Collider and a future pp collider. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 7 2020, vol. 101, no. 7., Registrované v: WOS
29. [1.1] LI, T. - SCHMIDT, M.A. Sensitivity of future lepton colliders

and low-energy experiments to charged lepton flavor violation from bileptons. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 3 2019, vol. 100, no. 11., Registrované v: WOS

30. [1.1] NOMURA, Takaaki - OKADA, Hiroshi. Zee-Babu type model with $U(1)(L \mu - L \tau)$ gauge symmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095023., Registrované v: WOS

31. [1.1] NOMURA, T. - OKADA, H. Muon anomalous magnetic moment, Z boson decays, and collider physics in multicharged particles. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 27 2020, vol. 101, no. 1., Registrované v: WOS

32. [1.1] PADHAN, R. - DAS, D. - MITRA, M. - NAYAK, A.K. Probing doubly and singly charged Higgs bosons at the pp collider HE-LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 29 2020, vol. 101, no. 7., Registrované v: WOS

33. [1.1] PIRES, C.A.D. - DE FREITAS, F.F. - SHU, J. - HUANG, L. - OLEGARIO, P.W.V. Implementing the inverse type-II seesaw mechanism into the 3-3-1 model. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2019, vol. 797., Registrované v: WOS

34. [1.1] PRIMULANDO, R. - JULIO, J. - UTTAYARAT, P. Scalar phenomenology in type-II seesaw model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 6 2019, no. 8., Registrované v: WOS

35. [1.1] RAHILI, L. - ARHRIB, A. - BENBRIK, R. Associated production of SM Higgs with a photon in type-II seesaw models at the ILC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS

36. [1.1] STEGGEMANN, J. Extended Scalar Sectors. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 197-223., Registrované v: WOS

ADCA837 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCÉI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for doubly charged Higgs bosons in like-sign dilepton final states at $\sqrt{s}=7$ TeV with the ATLAS detector. In *European Physical Journal C*, 2012, vol. 72, no. 11, art. no. 2244. (2011: 3.631 - IF, Q2 - JCR, 2.962 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-012-2244-2>

Ohlasy:

1. [1.1] ANTUSCH, S. - FISCHER, O. - HAMMAD, A. - SCHERB, C. Low scale type II seesaw: present constraints and prospects for displaced vertex searches. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 25 2019, no. 2., Registrované v: WOS

2. [1.1] AYDEMIR, Ufuk - MINIC, Djordje - SUN, Chen - TAKEUCHI, Tatsu. Higgs mass, superconnections, and the TeV-scale left-right symmetric model. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 4, art. no. 045020., Registrované v: WOS

3. [1.1] BABU, K. S. - JANA, Sudip. Probing doubly charged Higgs bosons at the LHC through photon initiated processes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055020., Registrované v: WOS

4. [1.1] BERTOLINI, Stefano - DI LUZIO, Luca - KOLESOVA, Helena - MALINSKY, Michal. Massive neutrinos and invisible axion minimally

- connected. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055014., Registrované v: WOS
5. [1.1] BHATTACHERJEE, Biplob - BYAKTI, Pritibhajan - KHOSA, Charanjit K. - LAHIRI, Jayita - MENDIRATTA, Gaurav. Alternative search strategies for a BSM resonance fitting the ATLAS diboson excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075015., Registrované v: WOS
6. [1.1] BONILLA, Cesar - FONSECA, Renato M. - VALLE, J. W. F. Consistency of the triplet seesaw model revisited. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 075028., Registrované v: WOS
7. [1.1] BONILLA, Cesar - ROMAO, Jorge C. - VALLE, Jose W. F. Electroweak breaking and neutrino mass: 'invisible' Higgs decays at the LHC (type II seesaw). In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2016, vol. 18, art. no. 033033., Registrované v: WOS
8. [1.1] CAO, Jun - TIAN, Xi-Yan. Doubly and singly charged Higgs pair production at high-energy $e(+)e(-)$ linear colliders. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 10, art. no. 1650056., Registrované v: WOS
9. [1.1] CORCELLA, Gennaro - CORIANO, Claudio - COSTANTINI, Antonio - FRAMPTON, Paul H. Exploring scalar and vector bileptons at the LHC in a 331 model. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 785, pp. 73-83., Registrované v: WOS
10. [1.1] DE MELO, T.B. - QUEIROZ, F.S. - VILLAMIZAR, Y. Doubly charged scalar at the High-Luminosity and High-Energy LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, SEP 30 2019, vol. 34, no. 27., Registrované v: WOS
11. [1.1] DEPPISCH, Frank F. - DEV, P. S. Bhupal - PILAFTSIS, Apostolos. Neutrinos and collider physics. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, art. no. 075019., Registrované v: WOS
12. [1.1] DEY, Ujjal Kumar - MOHANTY, Subhendra - TOMAR, Gaurav. 750 GeV resonance in the dark left-right model. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 756, pp. 384-389., Registrované v: WOS
13. [1.1] FREITAS, F. F. - PIRES, C. A. de S. - DA SILVA, P. S. Rodrigues. Inverse type II seesaw mechanism and its signature at the LHC and ILC. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 769, pp. 48-56., Registrované v: WOS
14. [1.1] FUKS, B. - NEMEVSEK, M. - RUIZ, R. Doubly charged Higgs boson production at hadron colliders. In PHYSICAL REVIEW D. ISSN 1550-7998, APR 13 2020, vol. 101, no. 7., Registrované v: WOS
15. [1.1] GEIB, Tanja - KING, Stephen F. - MERLE, Alexander - NO, Jose Miguel - PANIZZU, Luca. Probing the origin of neutrino masses and mixings via doubly charged scalars: Complementarity of the intensity and the energy frontiers. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 073007., Registrované v: WOS
16. [1.1] GHOSH, Kirtiman - JANA, Sudip - NANDI, S. Neutrino mass generation at TeV scale and new physics signatures from charged Higgs at the LHC for photon initiated processes. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 180., Registrované v: WOS
17. [1.1] GUO, Shu-Yuan - HAN, Zhi-Long - LIAO, Yi. Testing the type II radiative seesaw model: From dark matter detection to LHC signatures. In

- PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 115014., Registrované v: WOS
18. [1.1] GUSTAFSSON, M. - NO, J.M. - RIVERA, M.A. Lepton number violating operators with standard model gauge fields: a survey of neutrino masses from 3-loops and their link to dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 13 2020, no. 11., Registrované v: WOS
19. [1.1] HAN, Zhi-Long - DING, Ran - LIAO, Yi. LHC phenomenology of the type II seesaw mechanism: Nondegenerate case. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 093006., Registrované v: WOS
20. [1.1] HERRERO-GARCIA, Juan - NEBOT, Miguel - RIUS, Nuria - SANTAMARIA, Arcadi. Testing the Zee-Babu model via neutrino data, lepton flavour violation and direct searches at the LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 1678-1684., Registrované v: WOS
21. [1.1] CHABAB, M. - PEYRANERE, M. C. - RAHILI, L. Naturalness in a type II seesaw model and implications for physical scalars. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115021., Registrované v: WOS
22. [1.1] CHAKRABORTTY, Joydeep - GHOSH, Pradipta - MONDAL, Subhadeep - SRIVASTAVA, Tripurari. Reconciling $(g-2)_{\mu}$ and charged lepton flavor violating processes through a doubly charged scalar. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115004., Registrované v: WOS
23. [1.1] CHECCHIA, Paolo. Implications of a 125 GeV Higgs boson. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 7, art. no. 1530003., Registrované v: WOS
24. [1.1] CHIANG, Cheng-Wei - KANEMURA, Shinya - YAGYU, Kei. Phenomenology of the Georgi-Machacek model at future electron-positron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055002., Registrované v: WOS
25. [1.1] KANEMURA, Shinya - KIKUCHI, Mariko - YAGYU, Kei. Fingerprinting the extended Higgs sector using one-loop corrected Higgs boson couplings and future precision measurements. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 896, pp. 80-137., Registrované v: WOS
26. [1.1] KANG, Zhaofeng - LI, Jinmian - LI, Tianjun - LIU, Yandong - NING, Guo-Zhu. Light doubly charged Higgs boson via the WW^* channel at LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 12, art. no. 574., Registrované v: WOS
27. [1.1] MAGILL, Gabriel - PLESTID, Ryan. Probing new charged scalars with neutrino trident production. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055003., Registrované v: WOS
28. [1.1] MONDAL, Tanmoy - DEY, Ujjal Kumar - KONAR, Partha. Implications of unitarity and charge breaking minima in a left-right symmetric model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 096005., Registrované v: WOS
29. [1.1] MOYOTL, A. - TAVARES-VELASCO, G. - TOSCANO, J. J. CP-odd contributions to the $ZZ^*\gamma$, $ZZ\gamma^*$, and ZZZ^* vertices induced by nondiagonal charged scalar boson couplings. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 093005., Registrované v: WOS

30. [1.1] SHEN, Jie-Fen - BI, Yan-Ping - YU, Yi - ZHANG, Yan-Ju. Production of singly and doubly charged Higgs bosons from Higgs triplet model at future linear colliders. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 16, art. no. 1550096., Registrované v: WOS
31. [1.1] SHEN, Jie-Fen - LI, Zhen-Xin. Doubly charged Higgs bosons pair production through WW fusion at high-energy $e^{+}e^{-}$ linear colliders. In EPL. ISSN 0295-5075, 2015, vol. 111, no. 3, art. no. 31001., Registrované v: WOS
32. [1.1] VOLKAS, Raymond R. Searching for radiative neutrino mass generation at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 12, art. no. 1530030., Registrované v: WOS
33. [1.1] YAO, Chang-Yuan - DING, Gui-Jun. Systematic analysis of Dirac neutrino masses from a dimension five operator. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095042., Registrované v: WOS
34. [1.1] YU, Yi - BI, Yan-Ping - SHEN, Jie-Fen. Associated production of the doubly-charged scalar pair with the Higgs boson in the Georgi-Machacek model at the ILC. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 759, pp. 513-519., Registrované v: WOS
35. [1.1] ZHANG, Yan-Ju - CAO, Jun - ZHANG, Wen-Qing. Associated Production of the Charged and Neutral Higgs Bosons at the ILC within the Higgs Triplet Model. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 9, pp. 3981-3992., Registrované v: WOS

ADCA838 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for doubly charged scalar bosons decaying into same-sign W boson pairs with the ATLAS detector. In *European Physical Journal C*, 2019, vol. 79, no. 1, art. no. 58. (2018: 4.843 - IF, Q1 - JCR, 1.972 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-018-6500-y>

Ohlasy:

1. [1.1] ALCAIDE, J. - MILEO, N.I. LHC sensitivity to singly charged scalars decaying into electrons and muons. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 23 2020, vol. 102, no. 7., Registrované v: WOS
2. [1.1] ANTUSCH, S. - FISCHER, O. - HAMMAD, A. - SCHERB, C. Low scale type II seesaw: present constraints and prospects for displaced vertex searches. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 25 2019, no. 2., Registrované v: WOS
3. [1.1] ARBELAEZ, C. - HELO, J.C. - HIRSCH, M. Long-lived heavy particles in neutrino mass models. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 3 2019, vol. 100, no. 5., Registrované v: WOS
4. [1.1] ARDURA, M. - HARTLEY, D. - DANDOY, C. - LEHMANN, L. - JAGLOWSKI, S. - AULETTA, J.J. - BHATT, N. - HUBER, J. - JUCKETT, M.B. - MUELLER, M. - ROTZ, S. - PHELAN, R. - TARQUINI, S. - ROSATI, C. Addressing the Impact of the Coronavirus Disease 2019 (COVID-19) Pandemic on Hematopoietic Cell Transplantation: Learning Networks as a Means

- for Sharing Best Practices. In BIOLOGY OF BLOOD AND MARROW TRANSPLANTATION. ISSN 1083-8791, JUL 2020, vol. 26, no. 7, p. E147-E160., Registrované v: WOS
5. [1.1] BANERJEE, A. - BHATTACHARYYA, G. - KUMAR, N. Impact of Yukawa-like dimension-five operators on the Georgi-Machacek model. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 19 2019, vol. 99, no. 3., Registrované v: WOS
 6. [1.1] CEPPEDELLO, R. - HIRSCH, M. - ROCHA-MORAN, P. - VICENTE, A. Minimal 3-loop neutrino mass models and charged lepton flavor violation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 17 2020, no. 8., Registrované v: WOS
 7. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
 8. [1.1] DEY, A. - LAHIRI, J. - MUKHOPADHYAYA, B. LHC signals of triplet scalars as dark matter portal: cut-based approach and improvement with gradient boosting and neural networks. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 19 2020, no. 6., Registrované v: WOS
 9. [1.1] FERREIRA, M.M. - DE MELO, T.B. - KOVALENKO, S. - PINHEIRO, P.R.D. - QUEIROZ, F.S. Lepton flavor violation and collider searches in a type I plus II seesaw model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
 10. [1.1] FUKS, B. - NEMEVSEK, M. - RUIZ, R. Doubly charged Higgs boson production at hadron colliders. In PHYSICAL REVIEW D. ISSN 1550-7998, APR 13 2020, vol. 101, no. 7., Registrované v: WOS
 11. [1.1] GHOSH, N. - GHOSH, S. - SAHA, I. Charged Higgs boson searches in the Georgi-Machacek model at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 30 2020, vol. 101, no. 1., Registrované v: WOS
 12. [1.1] CHUN, E.J. - KHAN, S. - MANDAL, S. - MITRA, M. - SHIL, S. Same-sign tetralepton signature at the Large Hadron Collider and a future pp collider. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 7 2020, vol. 101, no. 7., Registrované v: WOS
 13. [1.1] PADHAN, R. - DAS, D. - MITRA, M. - NAYAK, A.K. Probing doubly and singly charged Higgs bosons at the pp collider HE-LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 29 2020, vol. 101, no. 7., Registrované v: WOS
 14. [1.1] RAHILI, L. - ARHRIB, A. - BENBRIK, R. Associated production of SM Higgs with a photon in type-II seesaw models at the ILC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
 15. [1.1] STEGGEMANN, J. Extended Scalar Sectors. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 197-223., Registrované v: WOS

ADCA839 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for Down-Type Fourth Generation Quarks with the ATLAS Detector in Events with One Lepton and Hadronically Decaying W Bosons. In *Physical Review Letters*, 2012, vol. 109, no. 3, art. no. 032001. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 -

SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

1. [1.1] DJOUADI, Abdelhak. Implications of the H Boson Discovery. In H BOSON, 2017, vol. 72, pp. 85-133., Registrované v: WOS

ADCA840 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - ABED ABUD, A. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for electroweak diboson production in association with a high-mass dijet system in semileptonic final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Physical Review D*, 2019, vol. 100, no. 3, art. no. 032007. (2018: 4.368 - IF, Q1 - JCR, 1.703 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.100.032007>

Ohlasy:

1. [1.1] DENNER, A. - FRANKEN, R. - PELLE, M. - SCHMIDT, T. NLO QCD and EW corrections to vector-boson scattering into ZZ at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 20 2020, no. 11., Registrované v: WOS
2. [1.1] GARCIA-GARCIA, C. - HERRERO, M. - MORALES, R.A. Unitarization effects in EFT predictions of WZ scattering at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 8 2019, vol. 100, no. 9., Registrované v: WOS

ADCA841 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - ABED ABUD, A. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in $\sqrt{s}=13$ TeV pp collisions using the ATLAS detector. In *European Physical Journal C*, 2020, vol. 80, no. 2, art. no. 123. (2019: 4.389 - IF, Q1 - JCR, 1.763 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-019-7594-6>

Ohlasy:

1. [1.1] ALCAIDE, J. - MILEO, N.I. LHC sensitivity to singly charged scalars decaying into electrons and muons. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 23 2020, vol. 102, no. 7., Registrované v: WOS
2. [1.1] CANEPA, A. - HAN, T. - WANG, X. The Search for Electroweakinos. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 425-454., Registrované v: WOS
3. [1.1] CEPPEDELLO, R. - HIRSCH, M. - ROCHA-MORAN, P. - VICENTE, A. Minimal 3-loop neutrino mass models and charged lepton flavor violation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 17 2020, no. 8., Registrované v: WOS
4. [1.1] CUI, Y.N. - SHAMMA, M. WIMPogenesis for asymmetric dark matter and the baryon asymmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 9 2020, no. 12., Registrované v: WOS
5. [1.1] DARME, L. - FEDELE, M. - KOWALSKA, K. - SESSOLO, E.M. Flavour anomalies from a split dark sector. In JOURNAL OF HIGH

ENERGY PHYSICS. ISSN 1029-8479, AUG 28 2020, no. 8., Registrované v: WOS

6. [1.1] ENDO, M. - HAMAGUCHI, K. - IWAMOTO, S. - KITAHARA, T. Muon $g - 2$ vs LHC Run 2 in supersymmetric models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 24 2020, no. 4., Registrované v: WOS

7. [1.1] FIASCHI, J. - KLASSEN, M. Higgsino and gaugino pair production at the LHC with aNNLO plus NNLL precision. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 20 2020, vol. 102, no. 9., Registrované v: WOS

8. [1.1] FIASCHI, J. - KLASSEN, M. - SUNDER, M. Slepton pair production with aNNLO plus NNLL precision. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 8 2020, no. 4., Registrované v: WOS

9. [1.1] FRANK, M. - HICYILMAZ, Y. - MORETTI, S. - OZDAL, O. Leptophobic Z' bosons in the secluded UMSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 21 2020, vol. 102, no. 11., Registrované v: WOS

10. [1.1] GUO, S.Y. - HAN, Z.L. Observable signatures of scotogenic Dirac model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 9 2020, no. 12., Registrované v: WOS

11. [1.1] CHAKRABORTI, M. - HEINEMEYER, S. - SAHA, I. Improved $(g-2)_{\mu}$ measurements and supersymmetry. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 23 2020, vol. 80, no. 10., Registrované v: WOS

12. [1.1] KAWAMURA, J. - OKAWA, S. - OMURA, Y. Current status and muon $g - 2$ explanation of lepton portal dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 10 2020, no. 8., Registrované v: WOS

13. [1.1] TATA, X. Natural supersymmetry: status and prospects. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 21, SI, p. 3061-3083., Registrované v: WOS

ADCA842 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for electroweak production of supersymmetric particles in final states with two or three leptons at root $s=13$ TeV with the ATLAS detector. In *European Physical Journal C*, 2018, vol. 78, no. 12, art. no. 995. (2017: 5.172 - IF, Q1 - JCR, 2.022 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-018-6423-7>

Ohlasy:

1. [1.1] ABDALLAH, W. - CHATTERJEE, A. - DATTA, A. Revisiting singlino dark matter of the natural $Z(3)$ -symmetric NMSSM in the light of LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 12 2019, no. 9., Registrované v: WOS

2. [1.1] ABE, Y. - TOMA, T. - TSUMURA, K. A mu-tau-philic scalar doublet under $Z(n)$ flavor symmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 28 2019, no. 6., Registrované v: WOS

3. [1.1] ABOUBRAHIM, A. - FENG, W.Z. - NATH, P. Expanding the parameter space of natural supersymmetry. In JOURNAL OF HIGH ENERGY

- PHYSICS. ISSN 1029-8479, APR 22 2020, no. 4., Registrované v: WOS
4. [1.1] ALCAIDE, J. - MILEO, N.I. LHC sensitivity to singly charged scalars decaying into electrons and muons. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 23 2020, vol. 102, no. 7., Registrované v: WOS
 5. [1.1] ANDRIANALA, F. - ROLOFF, P. - SCHULTE, D. Beam parameters optimisation at CLIC for the threshold scan of the process $e^{(+)}e^{(-)} \rightarrow (\mu)^{\text{over-tilde}}(R)^{(+)}(\mu)^{\text{over-tilde}}(R)^{(-)}$ $\rightarrow \mu^{(+)}\mu^{(-)}(\chi)^{\text{over-tilde}}(1)(0)(\chi)^{\text{over-tilde}}(1)(0)$ at multi-TeV energies. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, MAR 1 2020, vol. 955., Registrované v: WOS
 6. [1.1] ARNAN, P. - CRIVELLIN, A. - FEDELE, M. - MESCIA, F. Generic loop effects of new scalars and fermions in $b s^{(+-)}$ and a vector-like 4(th) generation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 24 2019, no. 6., Registrované v: WOS
 7. [1.1] BAHL, H. - LIEBLER, S. - STEFANIAK, T. MSSM Higgs benchmark scenarios for Run 2 and beyond: the low $\tan\beta$ region. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS
 8. [1.1] BANERJEE, H. - ROY, S. Signatures of supersymmetry and a $L\text{-}\mu - L\text{-}\tau$ gauge boson at Belle-II. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 25 2019, vol. 99, no. 3., Registrované v: WOS
 9. [1.1] BATELL, B. - VERHAAREN, C.B. Breaking mirror twin hypercharge. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 3 2019, no. 12., Registrované v: WOS
 10. [1.1] BAUMHOLZER, S. - BRDAR, V. - SCHWALLER, P. - SEGNER, A. Shining light on the scotogenic model: interplay of colliders and cosmology. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 21 2020, no. 9., Registrované v: WOS
 11. [1.1] BAUM, S. - SANDICK, P. - STENGEL, P. Hunting for scalar lepton partners at future electron colliders. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 29 2020, vol. 102, no. 1., Registrované v: WOS
 12. [1.1] BELANGER, G. - DESAI, N. - GOUDELIS, A. - HARZ, J. - LESSA, A. - NO, J.M. - PUKHOV, A. - SEKMEN, S. - SENGUPTA, D. - ZALDIVAR, B. - ZURITA, J. LHC-friendly minimal freeze-in models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 27 2019, no. 2., Registrované v: WOS
 13. [1.1] CANEPA, A. - HAN, T. - WANG, X. The Search for Electroweakinos. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 425-454., Registrované v: WOS
 14. [1.1] CARENA, M. - OSBORNE, J. - SHAH, N.R. - WAGNER, C.E.M. Return of the WIMP: Missing energy signals and the Galactic Center excess. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 3 2019, vol. 100, no. 5., Registrované v: WOS
 15. [1.1] COX, P. - HAN, C.C. - YANAGIDA, T.T. - YOKOZAKI, N. Gaugino mediation scenarios for muon $g-2$ and dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 20 2019, no. 8., Registrované v: WOS

16. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
17. [1.1] DERCKX, D. - ROBENS, T. Constraining the Inert Doublet Model using Vector Boson Fusion. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
18. [1.1] DOMINGUEZ-MEIJIDE, A. - VASIL, E. - OUTEIRO, T.F. Pharmacological Modulators of Tau Aggregation and Spreading. In BRAIN SCIENCES. NOV 2020, vol. 10, no. 11., Registrované v: WOS
19. [1.1] ENDO, M. - HAMAGUCHI, K. - IWAMOTO, S. - KITAHARA, T. Muon $g - 2$ vs LHC Run 2 in supersymmetric models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 24 2020, no. 4., Registrované v: WOS
20. [1.1] ENOMOTO, K. - KANEMURA, S. - SAKURAI, K. - SUGIYAMA, H. New model for radiatively generated Dirac neutrino masses and lepton flavor violating decays of the Higgs boson. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 29 2019, vol. 100, no. 1., Registrované v: WOS
21. [1.1] FIASCHI, J. - KLASSEN, M. Higgsino and gaugino pair production at the LHC with aNNLO plus NNLL precision. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 20 2020, vol. 102, no. 9., Registrované v: WOS
22. [1.1] FUKS, B. - NORDSTROM, K. - RUIZ, R. - WILLIAMSON, S.L. Sleptons without hadrons. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 11 2019, vol. 100, no. 7., Registrované v: WOS
23. [1.1] GHOSH, D.K. - HUITU, K. - MONDAL, S. - MITRA, M. Same-sign trilepton signal for stop quark in the presence of sneutrino dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, APR 15 2019, vol. 99, no. 7., Registrované v: WOS
24. [1.1] GORI, S. - LIU, Z. - SHAKYA, B. Heavy Higgs as a portal to the supersymmetric electroweak sector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 5 2019, no. 4., Registrované v: WOS
25. [1.1] CHAKRABORTI, M. - HEINEMEYER, S. - SAHA, I. Improved $(g-2)(\mu)$ measurements and supersymmetry. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 23 2020, vol. 80, no. 10., Registrované v: WOS
26. [1.1] CHAKRABORTY, S. - ROY, T.S. Radiatively generated source of flavor universal scalar soft masses. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 20 2019, vol. 100, no. 3., Registrované v: WOS
27. [1.1] CHALA, M. - TITOV, A. One-loop matching in the SMEFT extended with a sterile neutrino. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 27 2020, no. 5., Registrované v: WOS
28. [1.1] CHEN, K.F. - CHIANG, C.W. - KEI, Y.Y. An explanation for the muon and electron $g - 2$ anomalies and dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 17 2020, no. 9., Registrované v: WOS
29. [1.1] IBE, M. - SUZUKI, M. - YANAGIDA, T.T. - YOKOZAKI, N. Muon $g-2$ in Split-Family SUSY in light of LHC run II. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 14 2019, vol. 79, no. 8., Registrované v: WOS
30. [1.1] KAR, A. - MITRA, S. - MUKHOPADHYAYA, B. -

CHOUDHURY, T.R. Can Square Kilometre Array phase 1 go much beyond the LHC in supersymmetry search?. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 29 2019, vol. 99, no. 2., Registrované v: WOS

31. [1.1] KAVANAGH, B.J. - PANCI, P. - ZIEGLER, R. Faint light from dark matter: classifying and constraining dark matter-photon effective operators. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 11 2019, no. 4., Registrované v: WOS

32. [1.1] KHAN, Sarif - MITRA, Manimala - PATRA, Ayon. Neutrino and collider implications of a left-right extended Zee model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115038., Registrované v: WOS

33. [1.1] KING, S.F. - MORETTI, S. - NEVZOROV, R. A Review of the Exceptional Supersymmetric Standard Model. In SYMMETRY-BASEL. APR 2020, vol. 12, no. 4., Registrované v: WOS

34. [1.1] KOWALSKA, K. - SESSOLO, E.M. - YAMAMOTO, Y. Constraints on charmphilic solutions to the muon g-2 with leptiquarks. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 11 2019, vol. 99, no. 5., Registrované v: WOS

35. [1.1] MADGE, E. - SCHWALLER, P. Leptophilic dark matter from gauged lepton number: phenomenology and gravitational wave signatures. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 8 2019, no. 2., Registrované v: WOS

36. [1.1] PYARELAL, A. - SU, S.F. Higgs assisted razor search for Higgsinos at a 100 TeV pp collider. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, APR 17 2020, vol. 63, no. 10., Registrované v: WOS

37. [1.1] RESTREPO, D. - RIVERA, A. Phenomenological consistency of the singlet-triplet scotogenic model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 21 2020, no. 4., Registrované v: WOS

38. [1.1] SMARANDA, D.D. - MILLER, D.J. Scherk-Schwarz orbifolds at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS

39. [1.1] XU, S. - ZHENG, S.B. Probing electroweak dark matter at 14 TeV LHC. In CHINESE PHYSICS C. ISSN 1674-1137, NOV 2020, vol. 44, no. 11., Registrované v: WOS

40. [1.1] ZHENG, S.B. Minimal vectorlike model in supersymmetric unification. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 26 2020, vol. 80, no. 3., Registrované v: WOS

ADCA843 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for electroweak production of supersymmetric states in scenarios with compressed mass spectra at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Physical Review D*, 2018, vol. 97, no. 5, art. no. 052010. (2017: 4.394 - IF, Q1 - JCR, 1.801 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.97.052010>

Ohlasy:

1. [1.1] ABDUGHANI, M. - WU, L. On the coverage of neutralino dark matter in coannihilations at the upgraded LHC. In EUROPEAN PHYSICAL

JOURNAL C. ISSN 1434-6044, MAR 12 2020, vol. 80, no. 3., Registrované v: WOS

2. [1.1] ABOUBRAHIM, Amin - NATH, Pran. Naturalness, the hyperbolic branch, and prospects for the observation of charged Higgs bosons at high luminosity LHC and 27 TeV LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095024., Registrované v: WOS
3. [1.1] AHRICHE, A. - ARHRIB, A. - JUEID, A. - NASRI, S. - DE LA PUENTE, A. Mono-Higgs signature in the scotogenic model with Majorana dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, FEB 27 2020, vol. 101, no. 3., Registrované v: WOS
4. [1.1] BAER, Howard - BARGER, Vernon - GAINER, James S. - SENGUPTA, Dibyashree - SERCE, Hasan - TATA, Xerxes. LHC luminosity and energy upgrades confront natural supersymmetry models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075010., Registrované v: WOS
5. [1.1] BAER, H. - BARGER, V. - SENGUPTA, D. - SALAM, S. - SINHA, K. Status of weak scale supersymmetry after LHC Run 2 and ton-scale noble liquid WIMP searches. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 21, SI, p. 3085-3141., Registrované v: WOS
6. [1.1] BAER, H. - BERGGREN, M. - FUJII, K. - LIST, J. - LEHTINEN, S.L. - TANABE, T. - YAN, J. ILC as a natural SUSY discovery machine and precision microscope: From light Higgsinos to tests of unification. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 20 2020, vol. 101, no. 9., Registrované v: WOS
7. [1.1] BAUM, S. - SANDICK, P. - STENGEL, P. Hunting for scalar lepton partners at future electron colliders. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 29 2020, vol. 102, no. 1., Registrované v: WOS
8. [1.1] BETANCUR, Amalia - ZAPATA, Oscar. Phenomenology of doublet-triplet fermionic dark matter in nonstandard cosmology and multicomponent dark sectors. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095003., Registrované v: WOS
9. [1.1] CARENA, Marcela - OSBORNE, James - SHAH, Nausheen R. - WAGNER, Carlos E. M. Supersymmetry and LHC missing energy signals. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115010., Registrované v: WOS
10. [1.1] COX, Peter - HAN, Chengcheng - YANAGIDA, Tsutomu T. Muon g-2 and dark matter in the minimal supersymmetric standard model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 055015., Registrované v: WOS
11. [1.1] DAS, Biswaranjan - MORETTI, Stefano - MUNIR, Shoaib - POULOSE, Poulouse. Quantum interference among heavy NMSSM Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 055020., Registrované v: WOS
12. [1.1] DE BENEDETTI, Ron - LI, Chuang - LI, Tianjun - LUX, Adam - MAXIN, James A. - NANOPOULOS, Dimitri V. Inspiration from intersecting D-branes: general supersymmetry breaking soft terms in no-scale F-SU(5). In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 11, art. no. 958., Registrované v: WOS
13. [1.1] DOMINGO, F. - KIM, J.S. - LOZANO, V.M. -

MARTIN-RAMIRO, P. - DE AUSTRI, R.R. Confronting the neutralino and chargino sector of the NMSSM with the multilepton searches at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 8 2020, vol. 101, no. 7., Registrované v: WOS

14. [1.1] ELLWANGER, Ulrich - HUGONIE, Cyril. The higgsino-singlino sector of the NMSSM: combined constraints from dark matter and the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 735., Registrované v: WOS

15. [1.1] FRANK, M. Evading Z' boson mass limits in $U(1)'$ supersymmetric models. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 21, SI, p. 3205-3220., Registrované v: WOS

16. [1.1] MORETTI, S. - SHEPHERD-THEMISTOCLEOUS, C.H. - WALTARI, H. Lepton number violation in heavy Higgs boson decays to sneutrinos. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 28 2020, vol. 101, no. 1., Registrované v: WOS

17. [1.1] PYARELAL, A. - SU, S.F. Higgs assisted razor search for Higgsinos at a 100 TeV pp collider. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, APR 17 2020, vol. 63, no. 10., Registrované v: WOS

18. [1.1] TATA, X. Natural supersymmetry: status and prospects. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 21, SI, p. 3061-3083., Registrované v: WOS

ADCA844 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for events with large missing transverse momentum, jets, and at least two tau leptons in 7 TeV proton-proton collision data with the ATLAS detector ATLAS Collaboration. In *Physics Letters B*, 2012, vol. 714, no. 2-5, p. 180-196. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] ALVES, Daniele S. M. - FOX, Patrick J. - WEINER, Neal. Supersymmetry with a sister Higgs boson. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055003., Registrované v: WOS

ADCA845 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for excited electrons and muons in $\sqrt{s}=8$ TeV proton-proton collisions with the ATLAS detector. In *New Journal of Physics*, 2013, vol. 15, art. no. 093011. (2012: 4.063 - IF, Q1 - JCR, 3.368 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1367-2630. Dostupné na: <https://doi.org/10.1088/1367-2630/15/9/093011>

Ohlasy:

1. [1.1] BIONDINI, S. - PANELLA, O. Exotic leptons at future linear colliders. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 015023., Registrované v: WOS

2. [1.1] BIONDINI, S. - PANELLA, O. Leptogenesis and composite heavy neutrinos with gauge-mediated interactions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 644., Registrované

v: WOS

3. [1.1] CALISKAN, A. Single production of composite electrons at future SPPC-based lepton-hadron colliders. In CANADIAN JOURNAL OF PHYSICS. ISSN 0008-4204, APR 2020, vol. 98, no. 4, p. 349-356., Registrované v: WOS

4. [1.1] CALISKAN, A. - KARA, S. O. - OZANSOY, A. Excited Muon Searches at the FCC-Based Muon-Hadron Colliders. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, art. no. 1540243., Registrované v: WOS

5. [1.1] CALISKAN, A. - KARA, S. O. Single production of the excited electrons in the future FCC-based lepton-hadron colliders. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 24, art. no. 1850141., Registrované v: WOS

6. [1.1] KHARUK, I. V. - SIBIRYAKOV, S. M. Emergent Lorentz invariance with chiral fermions. In THEORETICAL AND MATHEMATICAL PHYSICS. ISSN 0040-5779, 2016, vol. 189, no. 3, pp. 1755-1774., Registrované v: WOS

7. [1.1] LEONARDI, R. - ALUNNI, L. - ROMEO, F. - FANO, L. - PANELLA, O. Hunting for heavy composite Majorana neutrinos at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 11, pp. 1-14., Registrované v: WOS

8. [1.1] PANELLA, O. - LEONARDI, R. - PANCHERI, G. - SRIVASTAVA, Y. N. - NARAIN, M. - HEINTZ, U. Production of exotic composite quarks at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075034., Registrované v: WOS

ADCA846 AABOUD, M. - AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for excited electrons singly produced in proton-proton collisions at root s=13 TeV with the ATLAS experiment at the LHC. In *European Physical Journal C*, 2019, vol. 79, no. 9, art. no. 803. (2018: 4.843 - IF, Q1 - JCR, 1.972 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-019-7295-1>

Ohlasy:

1. [1.1] CHALA, M. - KOZOW, P. - RAMOS, M. - TITOV, A. Effective field theory for vector-like leptons and its collider signals. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS

ADCA847 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for excited leptons in proton-proton collisions at root s=7 TeV with the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2012, vol. 85, no. 7, art. no. 072003. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Ohlasy:

1. [1.1] BIONDINI, S. - PANELLA, O. Exotic leptons at future linear colliders. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 015023., Registrované v: WOS

ADCA848 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for exclusive Higgs and Z boson decays to phi gamma and rho gamma with the ATLAS detector. In *Journal of High Energy Physics*, 2018, no. 7, art. no. 127. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1029-8479.

Ohlasy:

1. [1.1] DAWSON, S. - ENGLERT, C. - PLEHN, T. Higgs physics: It ain't over till it is over. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, JUL 3 2019, vol. 816, p. 1-85., Registrované v: WOS
2. [1.1] EGANA-UGRINOVIC, D. - HOMILLER, S. - MEADE, P. Higgs bosons with large couplings to light quarks. In PHYSICAL REVIEW D. ISSN 1550-7998, DEC 23 2019, vol. 100, no. 11., Registrované v: WOS

ADCA849 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCÉL, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for extra dimensions in diphoton events from proton-proton collisions at $\sqrt{s}=7$ TeV in the ATLAS detector at the LHC. In *New Journal of Physics*, 2013, vol. 15, art. no. 043007. (2012: 4.063 - IF, Q1 - JCR, 3.368 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1367-2630. Dostupné na: <https://doi.org/10.1088/1367-2630/15/4/043007>

Ohlasy:

1. [1.1] ARUN, Mathew Thomas - CHOUDHURY, Debajyoti - DAS, Ashmita - SENGUPTA, Soumitra. Graviton modes in multiply warped geometry. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 746, pp. 266-275., Registrované v: WOS
2. [1.1] ARUN, Mathew Thomas - CHOUDHURY, Debajyoti. Stabilization of moduli in spacetime with nested warping and the UED. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 923, pp. 258-276., Registrované v: WOS
3. [1.1] ARUN, Mathew Thomas - SAHA, Pratishruti. Gravitons in multiply warped scenarios: At 750 GeV and beyond. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2017, vol. 88, no. 6, art. no. 93., Registrované v: WOS
4. [1.1] ASSYYAEE, Shahrokh - RIAZI, Nematollah. Z(2) massive axions, domain walls and inflation. In ANNALS OF PHYSICS. ISSN 0003-4916, 2017, vol. 376, p. 460-483., Registrované v: WOS
5. [1.1] CSAKI, Csaba - GROJEAN, Christophe - TERNING, John. Alternatives to an elementary Higgs. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2016, vol. 88, no. 4, art. no. 045001., Registrované v: WOS
6. [1.1] DAS, Goutam - MATHEWS, Prakash. Neutral triple vector boson production in Randall-Sundrum model at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 094034., Registrované v: WOS
7. [1.1] CHOUDHURY, Sayantan - MITRA, Joydip - SENGUPTA, Soumitra. Fermion localization in higher curvature spacetime. In CLASSICAL AND QUANTUM GRAVITY. ISSN 0264-9381, 2018, vol. 35, no. 2, art. no. 025007., Registrované v: WOS
8. [1.1] KHATIBI, Sara - NAJAFABADI, Mojtaba Mohammadi.

Constraints on top quark flavor changing neutral currents using diphoton events at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 909, pp. 607-618., Registrované v: WOS

9. [1.1] SAHIN, I. - KOKSAL, M. - INAN, S. C. - BILLUR, A. A. - SAHIN, B. - TEKTAS, P. - ALICI, E. - YILDIRIM, R. Graviton production through photon-quark scattering at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 035017., Registrované v: WOS

ADCA850 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCÉI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for extra dimensions using diphoton events in 7 TeV proton-proton collisions with the ATLAS detector ATLAS Collaboration. In *Physics Letters B*, 2012, vol. 710, no. 4-5, p. 538-556. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2012.03.022>

Ohlasy:

1. [1.1] ANAND, Sampurn - CHOUDHURY, Debajyoti - SEN, Anjan A. - SENGUPTA, Soumitra. Geometric approach to modulus stabilization. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 2, art. no. 026008., Registrované v: WOS

2. [1.1] ARUN, Mathew Thomas - CHOUDHURY, Debajyoti - DAS, Ashmita - SENGUPTA, Soumitra. Graviton modes in multiply warped geometry. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 746, pp. 266-275., Registrované v: WOS

3. [1.1] ARUN, Mathew Thomas - CHOUDHURY, Debajyoti. Stabilization of moduli in spacetime with nested warping and the UED. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 923, pp. 258-276., Registrované v: WOS

4. [1.1] BARNOVSKA, Zuzana. Search for narrow scalar $X \rightarrow \gamma \gamma$ in the mass range 65-600 GeV with the ATLAS detector. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 2460-2462., Registrované v: WOS

5. [1.1] DAS, Ashmita - MUKHERJEE, Hiya - PAUL, Tanmoy - SENGUPTA, Soumitra. Radion stabilization in higher curvature warped spacetime. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 2, art. no. 108., Registrované v: WOS

6. [1.1] DAS, Ashmita - SENGUPTA, Soumitra. Lightest Kaluza-Klein graviton mode in a back-reacted Randall-Sundrum scenario. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 8, art. no. 423., Registrované v: WOS

7. [1.1] DAS, Goutam - MATHEWS, Prakash. Neutral triple vector boson production in Randall-Sundrum model at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 094034., Registrované v: WOS

8. [1.1] ETESAMI, Seyed Mohsen - NAJAFABADI, Mojtaba Mohammadi. Double Higgs boson production with a jet substructure analysis to probe extra dimensions. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 073013., Registrované v: WOS

9. [1.1] GAVELA, M.B. - NO, J.M. - SANZ, V. - DE TROCONIZ, J.F. Nonresonant Searches for Axionlike Particles at the LHC. In PHYSICAL

REVIEW LETTERS. ISSN 0031-9007, FEB 6 2020, vol. 124, no. 5.,
Registrované v: WOS

10. [1.1] KARACA, Koray. A case study in experimental exploration:
exploratory data selection at the Large Hadron Collider. In SYNTHESE. ISSN
0039-7857, 2017, vol. 194, no. 2, pp. 333-354., Registrované v: WOS

11. [1.1] PAUL, Tanmoy - SENGUPTA, Soumitra. Graviton
Kaluza-Klein modes in nonflat branes with stabilized modulus. In PHYSICAL
REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 8, art. no. 085035.,
Registrované v: WOS

12. [1.1] PAUL, Tanmoy. A possible testbed for warped extra dimension
from the angle of Buchdahl's limit. In EUROPEAN PHYSICAL JOURNAL C.
ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 508., Registrované v: WOS

ADCA851 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef -
KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for FCNC
single top-quark production at root s=7 TeV with the ATLAS detector. In *Physics
Letters B*, 2012, vol. 712, no. 4-5, p. 351-369. (2011: 3.955 - IF, Q1 - JCR, 3.028 -
SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS,
SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] ALICI, E. - KOKSAL, M. Probing the anomalous tq gamma
couplings through single top production at the future lepton-hadron colliders. In
MODERN PHYSICS LETTERS A. ISSN 0217-7323, NOV 30 2019, vol. 34, no.
36., Registrované v: WOS

2. [1.1] ARANDA, J.I. - ESPINOSA-GOMEZ, D. - MONTANO, J. -
RAMIREZ-ZAVALA, F. - TUTUTI, E.S. Rare decays of the top quark
mediated by Z' gauge bosons and flavor violation. In MODERN PHYSICS
LETTERS A. ISSN 0217-7323, JUN 14 2020, vol. 35, no. 18., Registrované v:
WOS

3. [1.1] BASKAKOV, Alexey - BOOS, Edward - BUNICHEV,
Vycheslav - DUBININ, Mikhail - DUDKO, Lev - MYAGKOV, Igor -
PERFILOV, Maxim - VOROTNIKOV, Georgy. New Physics search in the
processes of the electroweak top quark production. In 19TH INTERNATIONAL
SEMINAR ON HIGH ENERGY PHYSICS (QUARKS-2016). ISSN 2100-014X,
2016, vol. 125, art. no. UNSP 02008., Registrované v: WOS

4. [1.1] BHATTACHARYA, Bhuvanajyoti - LONDON, David - CLINE,
James M. - DATTA, Alakabha - DUPUIS, Grace. Quark-flavored scalar dark
matter. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art.
no. 115012., Registrované v: WOS

5. [1.1] DURIEUX, Gauthier - MALTONI, Fabio - ZHANG, Cen.
Global approach to top-quark flavor-changing interactions. In PHYSICAL
REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 7, art. no. 074017.,
Registrované v: WOS

6. [1.1] FICHET, Sylvain - HERRMANN, Bjoern - STOLL, Yannick.
Tasting the SU(5) nature of supersymmetry at the LHC. In JOURNAL OF HIGH
ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 5, art. no. 091., Registrované v:
WOS

7. [1.1] GUO, Yu-Chen - YUE, Chong-Xing - YANG, Shuo. Search for
anomalous couplings via single top quark production in association with a photon
at LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol.

- 76, no. 11, art. no. 596., Registrované v: WOS
8. [1.1] SHI, L.S. - ZHANG, C. Probing the top quark flavor-changing couplings at CEPC * * Supported by CNRS via the LIA FCPPL, by the CEPC theory study grant, and by IHEP (Y7515540U1). In CHINESE PHYSICS C. ISSN 1674-1137, NOV 2019, vol. 43, no. 11., Registrované v: WOS
9. [1.1] SOUTH, David M. - TURCATO, Monica. Review of searches for rare processes and physics beyond the Standard Model at HERA. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 6, art. no. 336., Registrované v: WOS
10. [1.1] WAGNER-KUHR, Jeannine. EXPERIMENTAL STUDIES OF TOP QUARK PRODUCTION. In ACTA PHYSICA SLOVACA. ISSN 0323-0465, 2016, vol. 66, no. 1, pp. 1-68., Registrované v: WOS

ADCA852 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for first generation scalar leptoquarks in pp collisions at root s=7 TeV with the ATLAS detector. In *Physics Letters B*, 2012, vol. 709, no. 3, p. 158-176. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2012.02.004>

Ohlasy:

1. [1.1] ALVES, Daniele S. M. - FOX, Patrick J. - WEINER, Neal. Supersymmetry with a sister Higgs boson. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055003., Registrované v: WOS
2. [1.1] BLUM, Kfir - EFRATI, Aielet - FRUGIUELE, Claudia - NIR, Yosef. Exotic colored scalars at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 2, art. no. 104., Registrované v: WOS
3. [1.1] CAI, Yi - CLARKE, Jackson D. - SCHMIDT, Michael A. - VOLKAS, Raymond R. Testing radiative neutrino mass models at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 2, art. no. 161., Registrované v: WOS
4. [1.1] DIAZ, Bastian - SCHMALTZ, Martin - ZHONG, Yi-Ming. The leptoquark hunter's guide: pair production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 10, art. no. 097., Registrované v: WOS
5. [1.1] DING, Ran - HAN, Zhi-Long - HUANG, Li - LIAO, Yi. Phenomenology of colored radiative neutrino mass model and its implications on cosmic-ray observations. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 10, art. no. 103101., Registrované v: WOS
6. [1.1] DORSNER, I. - FAJFER, S. - GRELJO, A. - KAMENIK, J. F. - KOSNIK, N. Physics of of leptoquarks in precision experiments and at particle colliders. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2016, vol. 641, pp. 1-68., Registrované v: WOS
7. [1.1] EVANS, Jason L. - NAGATA, Natsumi. Signatures of leptoquarks at the LHC and right-handed neutrinos. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 1, art. no. 015022., Registrované v: WOS
8. [1.1] HAMMETT, J. B. - ROSS, D. A. NLO leptoquark production and decay: the narrow-width approximation and beyond. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 7, art. no. 148., Registrované v: WOS
9. [1.1] CHANG, We-Fu - LIOU, Siao-Cing - WONG, Chi-Fong - XU,

Fanrong. Charged lepton flavor violating processes and scalar leptoquark decay branching ratios in the colored Zee-Babu model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 10, art. no. 106., Registrované v: WOS

10. [1.1] MANDAL, Tanumoy - MITRA, Subhadip - SETH, Satyajit. Single productions of colored particles at the LHC: an example with scalar leptoquarks. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 7, art. no. 028., Registrované v: WOS

11. [1.1] MANDAL, Tanumoy - MITRA, Subhadip - SETH, Satyajit. Pair production of scalar leptoquarks at the LHC to NLO parton shower accuracy. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 035018., Registrované v: WOS

12. [1.1] ROMEO, Francesco. Search for leptoquark-like signatures with the ATLAS and CMS detectors. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 638-643., Registrované v: WOS

13. [1.1] SCHMALTZ, M. - ZHONG, Y.M. The leptoquark Hunter's guide: large coupling. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 15 2019, no. 1., Registrované v: WOS

14. [1.1] SOUTH, David M. - TURCATO, Monica. Review of searches for rare processes and physics beyond the Standard Model at HERA. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 6, art. no. 336., Registrované v: WOS

ADCA853 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for flavor-changing neutral currents in top quark decays $t \rightarrow Hc$ and $t \rightarrow Hb$ in multilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Physical Review D*, 2018, vol. 98, no. 3, art. no. 032002. (2017: 4.394 - IF, Q1 - JCR, 1.801 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.98.032002>

Ohlasy:

1. [1.1] HOU, G.W.S. Perspectives and outlook from HEP window on the universe. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, JAN 20 2019, vol. 34, no. 2., Registrované v: WOS

2. [1.1] HOU, Wei-Shu - KOHDA, Masaya - MODAK, Tanmoy. Probing for extra top Yukawa couplings in light of the $t \rightarrow b \gamma$ (125) observation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075007., Registrované v: WOS

3. [1.1] JAIN, R. - KAO, C. Charming top decays with a flavor changing neutral Higgs boson and WW at hadron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 27 2019, vol. 99, no. 5., Registrované v: WOS

4. [1.1] MANDRIK, P. Prospect for top quark FCNC searches at the FCC-hh. In 4TH INTERNATIONAL CONFERENCE ON PARTICLE PHYSICS AND ASTROPHYSICS (ICPPA-2018). ISSN 1742-6588, 2019, vol. 1390., Registrované v: WOS

ADCA854 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for flavour-changing neutral current top-quark decays to $q\bar{q}$ in pp collision data collected with the ATLAS detector at $\sqrt{s}=8$ TeV. In *European Physical Journal C*, 2016, vol. 76, no. 1, art. no. 12. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-015-3851-5>

Ohlasy:

1. [1.1] GUZZI, M. - KIDONAKIS, N. $t\bar{t}Z$ production at hadron colliders. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, MAY 25 2020, vol. 80, no. 5., Registrované v: WOS
2. [1.1] HAN, Z.L. - DING, R. - LIN, S.J. - ZHU, B. Gauged $U(1)_{L\tau}$ scotogenic model in light of $R-K^*$ anomaly and AMS-02 positron excess. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, DEC 2019, vol. 79, no. 12., Registrované v: WOS
3. [1.1] HUNG, P. Q. - LIN, Yu-Xiang - NUGROHO, Chrisna Setyo - YUAN, Tzu-Chiang. Top quark rare decays via loop-induced FCNC interactions in extended mirror fermion model. In *NUCLEAR PHYSICS B*. ISSN 0550-3213, 2018, vol. 927, pp. 166-183., Registrované v: WOS
4. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS
5. [1.1] KHANPOUR, Hamzeh - KHATIBI, Sara - YANEHSARI, Morteza Khatiri - NAJAFABADI, Mojtaba Mohammadi. Single top quark production as a probe of anomalous $tq\gamma$ and tqZ couplings at the FCC-ee. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2017, vol. 775, pp. 25-31., Registrované v: WOS
6. [1.1] WANG, Lei - YANG, Jin Min - ZHANG, Yang. Probing a pseudoscalar at the LHC in light of muon $g-2$ and $R(D^{(*)})$ excesses. In *NUCLEAR PHYSICS B*. ISSN 0550-3213, 2017, vol. 924, pp. 47-62., Registrované v: WOS

ADCA855 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABED ABUD, A. - ABELING, K. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for flavour-changing neutral currents in processes with one top quark and a photon using 81 fb⁻¹ of pp collisions at $\sqrt{s}=13$ TeV with the ATLAS experiment. In *Physics Letters B : Nuclear, Elementary Particle and High-Energy Physics*, 2020, vol. 800, art. no. 135082. (2019: 4.384 - IF, Q1 - JCR, 1.795 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2019.135082>

Ohlasy:

1. [1.1] TAN, Y. - YUE, C.X. Anomalous $tq\gamma$ Couplings and Radiative B Meson Decays. In *CHINESE PHYSICS LETTERS*. ISSN 0256-307X, OCT 2020, vol. 37, no. 10., Registrované v: WOS

ADCA856 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for flavour-changing neutral current top quark decays $t \rightarrow Hq$ in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2015,

vol. 2015, no. 12, art. no. 061. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP12\(2015\)061](https://doi.org/10.1007/JHEP12(2015)061)

Ohlasy:

1. [1.1] HOU, Wei-Shu - KIKUCHI, Mariko. Probing extra Yukawa couplings by precision measurements of Higgs boson properties. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015033., Registrované v: WOS
2. [1.1] CHIANG, Cheng-Wei - FUKUDA, Hajime - TAKEUCHI, Michihisa - YANAGIDA, Tsutomu T. Current status of top-specific variant axion model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 035015., Registrované v: WOS
3. [1.1] IGURO, Syuhei - OMURA, Yuji. Status of the semileptonic B decays and muon $g-2$ in general 2HDMs with right-handed neutrinos. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 173., Registrované v: WOS
4. [1.1] KO, P. - OMURA, Yuji - SHIGEKAMI, Yoshihiro - YU, Chaehyun. LHCb anomaly and B physics in flavored Z' models with flavored Higgs doublets. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115040., Registrované v: WOS
5. [1.1] YANG, Bing-Fang - LIU, Zhi-Yong - LIU, Ning. Rare Higgs three body decay induced by top-Higgs FCNC coupling in the littlest Higgs model with T-parity. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 4, art. no. 043103., Registrované v: WOS

ADCA857 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for flavour-changing neutral current top-quark decays $t \rightarrow qZ$ in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2018, no. 7, art. no. 176. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP07\(2018\)176](https://doi.org/10.1007/JHEP07(2018)176)

Ohlasy:

1. [1.1] BEHERA, S. - ISLAM, R. - KUMAR, M. - POULOSE, P. - RAHAMAN, R. Fingerprinting the top quark FCNC via anomalous Ztq couplings at the LHeC. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 9 2019, vol. 100, no. 1., Registrované v: WOS
2. [1.1] HOU, G.W.S. Perspectives and outlook from HEP window on the universe. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, JAN 20 2019, vol. 34, no. 2., Registrované v: WOS

ADCA858 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for four-top-quark production in the single-lepton and opposite-sign dilepton final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Physical Review D*, 2019, vol. 99, no. 5, art. no. 052009. (2018: 4.368 - IF, Q1 - JCR, 1.703 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.99.052009>

Ohlasy:

1. [1.1] HOU, W.S. - KOHDA, M. - MODAK, T. Implications of

four-top and top-pair studies on triple-top production. In PHYSICS LETTERS B. ISSN 0370-2693, NOV 10 2019, vol. 798., Registrované v: WOS

ADCA859 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABELOOS, B. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for gluinos in events with an isolated lepton, jets and missing transverse momentum at root s=13 TeV with the ATLAS detector. In *European Physical Journal C*, 2016, vol. 76, no. 10, art. no. 565. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4397-x>

Ohlasy:

1. [1.1] ALCAIDE, J. - MILEO, N.I. LHC sensitivity to singly charged scalars decaying into electrons and muons. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 23 2020, vol. 102, no. 7., Registrované v: WOS
2. [1.1] BELYAEV, Alexander S. - FLACKE, Thomas - JAIN, Bithika - SCHAEFERS, Patrick B. LHC dark matter signals from vector resonances and top partners. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035019., Registrované v: WOS
3. [1.1] CABOUAT, B. - GAUNT, J.R. Combining single and double parton scatterings in a parton shower. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 1 2020, no. 10., Registrované v: WOS
4. [1.1] DAS, Dipankar - LOPEZ-IBANEZ, M. L. - JAY PEREZ, M. - VIVES, Oscar. Effective theories of flavor and the nonuniversal MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035001., Registrované v: WOS
5. [1.1] DERCKS, Daniel - DESAI, Nishita - KIM, Jong Soo - ROLBIECKI, Krzysztof - TATTERSALL, Jamie - WEBER, Torsten. CheckMATE 2: From the model to the limit. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2017, vol. 221, pp. 383-418., Registrované v: WOS
6. [1.1] DERCKS, Daniel - MOORTGAT-PICK, Gudrid - REUTER, Juergen - SHIM, So Young. The fate of the littlest Higgs model with T-parity under 13 TeV LHC data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 049., Registrované v: WOS
7. [1.1] DERCKS, D. - ROBENS, T. Constraining the Inert Doublet Model using Vector Boson Fusion. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
8. [1.1] DEUTSCHMANN, Nicolas - FLACKE, Thomas - KIM, Jong Soo. Current LHC constraints on minimal universal extra dimensions. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 771, pp. 515-520., Registrované v: WOS
9. [1.1] GEHRLEIN, J. - IPEK, S. - FOX, P.J. Bio phenomenology at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 13 2019, no. 3., Registrované v: WOS
10. [1.1] GHOSH, Pradipta - LARA, Inaki - LOPEZ-FOGLIANI, Daniel E. - MUNOZ, Carlos - DE AUSTRI, Roberto Ruiz. Searching for left sneutrino LSP at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 18-19, art. no. 1850110., Registrované v: WOS

11. [1.1] CHOWDHURY, Debtosh - PATEL, Ketan M. - TATA, Xerxes - VEMPATI, Sudhir K. Indirect searches of the degenerate MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075025., Registrované v: WOS
12. [1.1] KOWALSKA, Kamila - SESSOLO, Enrico Maria. MSSM fits to the ATLAS 1 lepton excess. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 2, art. no. 79., Registrované v: WOS
13. [1.1] KOWALSKA, Kamila. Phenomenological MSSM in light of new 13 TeV LHC data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 12, art. no. 684., Registrované v: WOS
14. [1.1] MORETTI, Stefano - O'BRIEN, Dermot - PANIZZI, Luca - PRAGER, Hugo. Production of extra quarks decaying to dark matter beyond the narrow width approximation at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035033., Registrované v: WOS

ADCA860 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for Gluinos in Events with Two Same-Sign Leptons, Jets, and Missing Transverse Momentum with the ATLAS Detector in pp Collisions at $\sqrt{s}=7$ TeV. In *Physical Review Letters*, 2012, vol. 108, no. 24, art. no. 241802. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

1. [1.1] ALVES, Daniele S. M. - FOX, Patrick J. - WEINER, Neal. Supersymmetry with a sister Higgs boson. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055003., Registrované v: WOS
2. [1.1] BARTL, A. - EBERL, H. - GININA, E. - HIDAKA, K. - MAJEROTTO, W. $h(0) > c(c)$ as a test case for quark flavor violation in the MSSM. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 015007., Registrované v: WOS
3. [1.1] PENG, Tao - RAMSEY-MUSOLF, Michael J. - WINSLOW, Peter. TeV lepton number violation: From neutrinoless double-beta decay to the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 093002., Registrované v: WOS
4. [1.1] STEVENS, Hanna E. - VACCARINO, Flora M. How Animal Models Inform Child and Adolescent Psychiatry. In JOURNAL OF THE AMERICAN ACADEMY OF CHILD AND ADOLESCENT PSYCHIATRY. ISSN 0890-8567, 2015, vol. 54, no. 5, pp. 352-359., Registrované v: WOS

ADCA861 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for $H \rightarrow \gamma \gamma$ produced in association with top quarks and constraints on the Yukawa coupling between the top quark and the Higgs boson using data taken at 7 TeV and 8 TeV with the ATLAS detector. In *Physics Letters B*, 2015, vol. 740, p. 222-242. (2014: 6.131 - IF, Q1 - JCR, 3.562 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2014.11.049>

Ohlasy:

1. [1.1] ARBEY, Alexandre - FICHET, Sylvain - MAHMOUDI, Farvah - MOREAU, Gregory. The correlation matrix of Higgs rates at the LHC. In

- JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, vol., no. 11, art. no. 097., Registrované v: WOS
2. [1.1] BADZIAK, Marcin - WAGNER, Carlos E. M. Enhancing the Higgs associated production with a top quark pair. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 123., Registrované v: WOS
3. [1.1] BADZIAK, Marcin - WAGNER, Carlos E. M. Enhanced Higgs associated production with a top quark pair in the NMSSM with light singlets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 2, art. no. 050., Registrované v: WOS
4. [1.1] BELANGER, Genevieve - GHOSH, Diptimoy - GODBOLE, Rohini - KULKARNI, Suchita. Light stop in the MSSM after LHC Run 1. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art. no. 214., Registrované v: WOS
5. [1.1] Beyond Standard Model Collider Phenomenology of Higgs Physics and Supersymmetry Introduction. In BEYOND STANDARD MODEL COLLIDER PHENOMENOLOGY OF HIGGS PHYSICS AND SUPERSYMMETRY. ISSN 2190-5053, 2016, pp. 1-10., Registrované v: WOS
6. [1.1] BOUDJEMA, Fawzi - GUADAGNOLI, Diego - GODBOLE, Rohini M. - MOHAN, Kirtimaan A. Laboratory-frame observables for probing the top-Higgs boson interaction. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 1, art. no. 015019., Registrované v: WOS
7. [1.1] CORBETT, Tyler - EBOLI, Oscar J. P. - GONCALVES, Dorival - GONZALEZ-FRAILE, J. - PLEHN, Tilman - RAUCH, Michael. The Higgs legacy of the LHC Run I. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 8, art. no. 156., Registrované v: WOS
8. [1.1] COX, Peter - MEDINA, Anibal D. - RAY, Tirtha Sankar - SPRAY, Andrew. Novel collider and dark matter phenomenology of a top-philic Z' . In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 6, art. no. 110., Registrované v: WOS
9. [1.1] DEMARTIN, Federico - MAIER, Benedikt - MALTONI, Fabio - MAWATARI, Kentarou - ZARO, Marco. $t\bar{t}WH$ associated production at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 1, art. no. 34., Registrované v: WOS
10. [1.1] DENNER, Ansgar - FEGGER, Robert. NLO QCD corrections to off-shell top-antitop production with leptonic decays in association with a Higgs boson at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 11, art. no. 209., Registrované v: WOS
11. [1.1] DENNER, Ansgar - LANG, Jean-Nicolas - PELLEN, Mathieu - UCCIRATI, Sandro. Higgs production in association with off-shell top-antitop pairs at NLO EW and QCD at the dLHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 2, art. no. 053., Registrované v: WOS
12. [1.1] DENNER, A. - FEGGER, R. - SCHARF, A. Irreducible background and interference effects for Higgs-boson production in association with a top-quark pair. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 008., Registrované v: WOS
13. [1.1] DEUTSCHMANN, Nicolas - DUHR, Claude - MALTONI, Fabio - VRYONIDOU, Eleni. Gluon-fusion Higgs production in the Standard Model Effective Field Theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 12, art. no. 063., Registrované v: WOS

14. [1.1] DROR, Jeff Asaf - FARINA, Marco - SALVIONI, Ennio - SERRA, Javi. Strong $t\bar{t}$ scattering at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 1, art. no. 071., Registrované v: WOS
15. [1.1] FICHET, Sylvain - MOREAU, Gregory. Anatomy of the Higgs fits: A first guide to statistical treatments of the theoretical uncertainties. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 905, pp. 391-446., Registrované v: WOS
16. [1.1] FRIXIONE, S. - HIRSCHI, V. - PAGANI, D. - SHAO, H.S. - ZARO, M. Electroweak and QCD corrections to top-pair hadroproduction in association with heavy bosons. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 184., Registrované v: WOS
17. [1.1] GONCALVES, Dorival - SAKURAI, Kazuki - TAKEUCHI, Michihisa. Monotop signature from the supersymmetric $t(t)\text{over-bar}H$ channel. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075009., Registrované v: WOS
18. [1.1] GONCALVES, Dorival - SAKURAI, Kazuki - TAKEUCHI, Michihisa. Tagging a monotop signature in natural SUSY. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015030., Registrované v: WOS
19. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS
20. [1.1] CHANG, Jung - CHEUNG, Kingman - LEE, Jae Sik - LU, Chih-Ting. Entangling Higgs production associated with a single top and a top-quark pair in the presence of anomalous top-Yukawa coupling. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, vol., no. 4, art. no. 138., Registrované v: WOS
21. [1.1] CHANG, Sanghyeon - KANG, Sin Kyu - LEE, Jong-Phil - SONG, Jeonghyeon. Higgs potential and hidden light Higgs scenario in two Higgs doublet models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 075023., Registrované v: WOS
22. [1.1] KULESZA, Anna - MOTYKA, Leszek - STEBEL, Tomasz - THEEUWES, Vincent. Associated $t(t)\text{over-bar}H$ production at the LHC: Theoretical predictions at NLO plus NNLL accuracy. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 114007., Registrované v: WOS
23. [1.1] KULESZA, A. - MOTYKA, L. - SCHWARTLANDER, D. - STEBEL, T. - THEEUWES, V. Associated top quark pair production with a heavy boson: differential cross sections at NLO plus NNLL accuracy. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 15 2020, vol. 80, no. 5., Registrované v: WOS
24. [1.1] LI, Jinmian - SI, Zong-guo - WU, Lei - YUE, Jason. Central-edge asymmetry as a probe of Higgs-top coupling in $t(t)\text{over-bar}h$ production at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 779, pp. 72-76., Registrované v: WOS
25. [1.1] MALTONI, Fabio - PAGANI, Davide - SHIVAJI, Ambresh - ZHAO, Xiaoran. Trilinear Higgs coupling determination via single-Higgs differential measurements at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 887., Registrované v: WOS

26. [1.1] MALTONI, Fabio - VRYONIDOU, Eleni - ZHANG, Cen. Higgs production in association with a top-antitop pair in the Standard Model Effective Field Theory at NLO in QCD. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 10, art. no. 123., Registrované v: WOS
27. [1.1] MANGANO, Michelangelo L. - PLEHN, Tilman - REIMITZ, Peter - SCHELL, Torben - SHAO, Hua-Sheng. Measuring the top Yukawa coupling at 100 TeV. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 3, art. no. 035001., Registrované v: WOS
28. [1.1] MARIOTTI, Chiara - PASSARINO, Giampiero. Higgs boson couplings: Measurements and theoretical interpretation. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 4, art. no. 1730003., Registrované v: WOS
29. [1.1] MORETTI, Niccolo - PETROV, Petar - POZZORINI, Stefano - SPANNOVSKY, Michael. Measuring the signal strength in $t\bar{t}$ with $H \rightarrow b\bar{b}$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 014019., Registrované v: WOS
30. [1.1] Multiple Higgs and Vector Boson Production. In BEYOND STANDARD MODEL COLLIDER PHENOMENOLOGY OF HIGGS PHYSICS AND SUPERSYMMETRY. ISSN 2190-5053, 2016, pp. 11-25., Registrované v: WOS
31. [1.1] SCHULZE, Markus - SOREQ, Yotam. Pinning down electroweak dipole operators of the top quark. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 8, art. no. 466., Registrované v: WOS
32. [1.1] YUE, Jason Tsz Shing. Probing CP-violating Top-Yukawa Couplings at the LHC. In HIGGS PROPERTIES AT THE LHC: IMPLICATIONS FOR THE STANDARD MODEL AND FOR COSMOLOGY. ISSN 2190-5053, 2017, pp. 41-73., Registrované v: WOS
33. [1.1] YUE, Jason Tsz Shing. Higgs Properties at the LHC Implications for the Standard Model and for Cosmology Conclusions. In HIGGS PROPERTIES AT THE LHC: IMPLICATIONS FOR THE STANDARD MODEL AND FOR COSMOLOGY. ISSN 2190-5053, 2017, pp. 109-111., Registrované v: WOS
34. [1.1] ZHOU, Yaofu. Constraining the Higgs boson coupling to light quarks in the $H \rightarrow ZZ$ final states. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 013019., Registrované v: WOS

ADCA862 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Search for Heavy Higgs Bosons A/H Decaying to a Top Quark Pair in pp Collisions at $\sqrt{s}=8$ TeV with the ATLAS Detector. In *Physical Review Letters*, 2017, vol. 119, no. 19, art. no. 191803. (2016: 8.462 - IF, Q1 - JCR, 4.196 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.119.191803>

Ohlasy:

1. [1.1] ARCADI, Giorgio. 2HDM portal for singlet-doublet dark matter. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 10, art. no. 864., Registrované v: WOS
2. [1.1] ARCADI, G. - DJOUADI, A. - RAIDAL, M. Dark Matter

through the Higgs portal. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, FEB 3 2020, vol. 842, p. 1-180., Registrované v: WOS

3. [1.1] AYACHE, E.H. - VAN EERTEN, H.J. - DAIGNE, F. Late X-ray hares from the interaction of a reverse shock with a stratified ejecta in GRB afterglows: simulations on a moving mesh. In MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. ISSN 0035-8711, JUL 2020, vol. 495, no. 3, p. 2979-2993., Registrované v: WOS

4. [1.1] BAHL, H. - LIEBLER, S. - STEFANIAK, T. MSSM Higgs benchmark scenarios for Run 2 and beyond: the low $\tan\beta$ region. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS

5. [1.1] BASLER, P. - DAWSON, S. - ENGLERT, C. - MUHLLEITNER, M. Showcasing HH production: Benchmarks for the LHC and HL-LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 29 2019, vol. 99, no. 5., Registrované v: WOS

6. [1.1] BASLER, P. - DAWSON, S. - ENGLERT, C. - MUHLLEITNER, M. Di-Higgs boson peaks and top valleys: Interference effects in Higgs sector extensions. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 28 2020, vol. 101, no. 1., Registrované v: WOS

7. [1.1] BRDAR, Vedran - LINDNER, Manfred - XU, Xun-Jie. Neutrino astronomy with supernova neutrinos. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 4, art. no. 025., Registrované v: WOS

8. [1.1] DOMBRIZ, Alvaro de la Cruz. Towards New Constraints in Extended Theories of Gravity: Cosmography and Gravitational-Wave Signals from Neutron Stars. In GALAXIES. ISSN 2075-4434, 2018, vol. 6, no. 1, art. no. 28., Registrované v: WOS

9. [1.1] EGANA-UGRINOVIC, D. - HOMILLER, S. - MEADE, P. Higgs bosons with large couplings to light quarks. In PHYSICAL REVIEW D. ISSN 1550-7998, DEC 23 2019, vol. 100, no. 11., Registrované v: WOS

10. [1.1] ENGLERT, C. - FAIRBAIRN, M. - SPANNOWSKY, M. - STYLIANOU, P. - VARMA, S. Sensing Higgs boson cascade decays through memory. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 30 2020, vol. 102, no. 9., Registrované v: WOS

11. [1.1] FERREIRA, Pedro M. - LIEBLER, Stefan - WITTBRODT, Jonas. $pp \rightarrow A \rightarrow Z h$ and the wrong-sign limit of the two-Higgs-doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055008., Registrované v: WOS

12. [1.1] FERREIRA, P.M. - LAVOURA, L. No strong CP violation up to the one-loop level in a two-Higgs-doublet model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 1 2019, vol. 79, no. 7., Registrované v: WOS

13. [1.1] GURREA-YSASI, G. - OLMO, G.J. Particle creation by wormholes: A 1+1 model. In INTERNATIONAL JOURNAL OF MODERN PHYSICS D. ISSN 0218-2718, AUG 2020, vol. 29, no. 11, SI., Registrované v: WOS

14. [1.1] HOU, W.S. - KOHDA, M. - MODAK, T. Implications of four-top and top-pair studies on triple-top production. In PHYSICS LETTERS B. ISSN 0370-2693, NOV 10 2019, vol. 798., Registrované v: WOS

15. [1.1] HOU, W.S. - KOHDA, M. - MODAK, T. Top-assisted di-Higgs boson production motivated by baryogenesis. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 29 2019, vol. 99, no. 5., Registrované v: WOS
16. [1.1] HOU, W.S. - MODAK, T. Production of $t\bar{Z}H$ and $t\bar{Z}h$ in 2HDM: Prospects for discovery at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 7 2020, vol. 101, no. 3., Registrované v: WOS
17. [1.1] JAIKUMAR, Prashanth - KLAHEHN, Thomas - MONROY, Raphael. Non-Radial Oscillation Modes of Superfluid Neutron Stars Modeled with CompOSE. In UNIVERSE. ISSN 2218-1997, 2018, vol. 4, no. 3, art. no. 53., Registrované v: WOS
18. [1.1] LANE, K. - SHEPHERD, W. Natural stabilization of the Higgs boson's mass and alignment. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 12 2019, vol. 99, no. 5., Registrované v: WOS
19. [1.1] LIU, A. - HAN, Z.L. - JIN, Y. - YANG, F.X. Leptogenesis and dark matter from a low scale seesaw mechanism. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 6 2020, vol. 101, no. 9., Registrované v: WOS
20. [1.1] MIRALLES, V. - PICH, A. LHC bounds on colored scalars. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 24 2019, vol. 100, no. 11., Registrované v: WOS
21. [1.1] MODAK, T. Probing an additional bottom Yukawa coupling via $b\bar{g} \rightarrow b\bar{A} \rightarrow b\bar{Z}H$ signature. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 20 2019, vol. 100, no. 3., Registrované v: WOS
22. [1.1] MODAK, T. - ODA, K.Y. Echoes of 2HDM inflation at the collider experiments. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 19 2020, vol. 80, no. 9., Registrované v: WOS
23. [1.1] STEGGEMANN, J. Extended Scalar Sectors. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 197-223., Registrované v: WOS
24. [1.1] ZAKHAROV, A. F. - JOVANOVIĆ, P. - BORKA, D. - JOVANOVIĆ, V. Borka. Constraining the range of Yukawa gravity interaction from S2 star orbits III: improvement expectations for graviton mass bounds. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 4, art. no. 050., Registrované v: WOS
25. [1.1] ZHOU, Enping - TSOKAROS, Antonios - REZZOLLA, Luciano - XU, Renxin - URYU, Koji. Rotating Quark Stars in General Relativity. In UNIVERSE. ISSN 2218-1997, 2018, vol. 4, no. 3, art. no. 48., Registrované v: WOS

ADCA863 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABED ABUD, A. - ABELING, K. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for Heavy Higgs Bosons Decaying into Two Tau Leptons with the ATLAS Detector Using pp Collisions at $\sqrt{s}=13$ TeV. In *Physical Review Letters*, 2020, vol. 125, no. 5, art. no. 051801. (2019: 8.385 - IF, Q1 - JCR, 3.588 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.125.051801>

Ohlasy:

1. [1.1] ALTMANNSHOFER, W. - GORI, S. - HAMER, N. - PATEL, H.H. Electron EDM in the complex two-Higgs doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 31 2020, vol. 102, no. 11., Registrované v:

WOS

2. [1.1] DOMINGO, F. - PASSEHR, S. Towards Higgs masses and decay widths satisfying the symmetries in the (N)MSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 7 2020, vol. 80, no. 12., Registrované v: WOS

3. [1.1] FRANK, M. - SAHA, I. Muon anomalous magnetic moment in two-Higgs-doublet models with vectorlike leptons. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 29 2020, vol. 102, no. 11., Registrované v: WOS

ADCA864 AABOUD, M. - AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for heavy charged long-lived particles in the ATLAS detector in 36.1 fb(-1) of proton-proton collision data at root s=13 Te V. In *Physical Review D*, 2019, vol. 99, no. 9, art. no. 092007. (2018: 4.368 - IF, Q1 - JCR, 1.703 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.99.092007>

Ohlasy:

1. [1.1] AVILA, C. - FLOREZ, A. - GURROLA, A. - DALE, J. - STARKO, S. Connecting particle physics and cosmology: Measuring the dark matter relic density in compressed supersymmetry models at the LHC. In PHYSICS OF THE DARK UNIVERSE. ISSN 2212-6864, JAN 2020, vol. 27., Registrované v: WOS

2. [1.1] BAUM, S. - SANDICK, P. - STENGEL, P. Hunting for scalar lepton partners at future electron colliders. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 29 2020, vol. 102, no. 1., Registrované v: WOS

3. [1.1] BHATTIPROLU, P.N. - MARTIN, S.P. Prospects for vectorlike leptons at future proton-proton colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 19 2019, vol. 100, no. 1., Registrované v: WOS

4. [1.1] CANEPA, A. - HAN, T. - WANG, X. The Search for Electroweakinos. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 425-454., Registrované v: WOS

5. [1.1] FRANK, M. - MAJUMDAR, C. - POULOSE, P. - SENAPATI, S. - YAJNIK, U.A. Exploring 0 nu beta beta and leptogenesis in the alternative left-right model. In PHYSICAL REVIEW D. ISSN 1550-7998, OCT 19 2020, vol. 102, no. 7., Registrované v: WOS

6. [1.1] GOODSSELL, M.D. - KRAML, S. - REYES-GONZALEZ, H. - WILLIAMSON, S.L. Constraining electroweakinos in the minimal Dirac gaugino model. In SCIPOST PHYSICS. ISSN 2542-4653, OCT 2020, vol. 9, no. 4., Registrované v: WOS

7. [1.1] CHAKRABORTY, S. - JUNG, T.E.Y. - LOLADZE, V. - OKUI, T. - TOBIOKA, K. Solar origin of the XENON1T excess without stellar cooling problems. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 30 2020, vol. 102, no. 9., Registrované v: WOS

8. [1.1] CHAKRABORTY, S. - ROY, T.S. Radiatively generated source of flavor universal scalar soft masses. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 20 2019, vol. 100, no. 3., Registrované v: WOS

9. [1.1] MAEKAWA, N. - OMURA, Y. - SHIGEKAMI, Y. - YOSHIDA, M. Spontaneous SUSY breaking in natural SO(10) grand unified

theory. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 17 2019, vol. 100, no. 11., Registrované v: WOS

10. [1.1] MEIGHEN-BERGER, S. - AGOSTINI, M. - IBARRA, A. - KRINGS, K. - NIEDERHAUSEN, H. - RAPPELT, A. - RESCONI, E. - TURCATI, A. New constraints on supersymmetry using neutrino telescopes. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS

11. [1.1] NOMURA, T. - OKADA, H. Muon anomalous magnetic moment, Z boson decays, and collider physics in multicharged particles. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 27 2020, vol. 101, no. 1., Registrované v: WOS

12. [1.1] PROFUMO, S. Smallest SU(N) hadrons. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 7 2020, vol. 102, no. 3., Registrované v: WOS

ADCA865 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for heavy charged long-lived particles in proton-proton collisions at root s=13 TeV using an ionisation measurement with the ATLAS detector. In *Physics Letters B*, 2019, vol. 788, p. 96-116. (2018: 4.162 - IF, Q2 - JCR, 1.806 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.10.055>

Ohlasy:

1. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS

2. [1.1] HELO, J.C. - HIRSCH, M. - OTA, T. Proton decay at one loop. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 20 2019, vol. 99, no. 9., Registrované v: WOS

3. [1.1] CHAKRABORTI, S. - ISLAM, R. Multilepton signatures for scalar dark matter searches in coannihilation scenario. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 25 2020, vol. 101, no. 11., Registrované v: WOS

4. [1.1] KADOTA, K. - SPRAY, A. Electroweak multiplet dark matter at future lepton colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 4 2019, no. 2., Registrované v: WOS

5. [1.1] KAWAMURA, J. - OKAWA, S. - OMURA, Y. - TANG, Y. WIMP dark matter in the parity solution to the strong CP problem. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 30 2019, no. 4., Registrované v: WOS

6. [1.1] PROFUMO, S. Smallest SU(N) hadrons. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 7 2020, vol. 102, no. 3., Registrované v: WOS

7. [1.1] SHUVE, B. - TUCKER-SMITH, D. Baryogenesis and dark matter from freeze-in. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 18 2020, vol. 101, no. 11., Registrované v: WOS

8. [1.1] TRAN, H.M. - NGUYEN, H.T. GUT-inspired MSSM in light of muon g-2 and LHC results at root s=13 TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 26 2019, vol. 99, no. 3., Registrované v: WOS

ADCA866 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. -
ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol.
 Search for heavy lepton resonances decaying to a Z boson and a lepton in pp
 collisions at root s=8 TeV with the ATLAS detector. In *Journal of High Energy
 Physics*, 2015, vol. 2015, no. 9, art. no. 108. (2014: 6.111 - IF, Q1 - JCR, 1.339 -
 SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS,
 SCOPUS). ISSN 1029-8479. Dostupné na:
[https://doi.org/10.1007/JHEP09\(2015\)108](https://doi.org/10.1007/JHEP09(2015)108)

Ohlasy:

1. [1.1] ABDULLAH, Mohammad - FENG, Jonathan L. - IWAMOTO, Sho - LILLARD, Benjamin. Heavy bino dark matter and collider signals in the MSSM with vectorlike fourth-generation particles. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 095018., Registrované v: WOS
2. [1.1] AYAZI, Seyed Yaser - MOHAMADNEJAD, Ahmad - ZAKERI, S. Peyman. Search for vector-like quarks in a fermionic dark matter model with pseudoscalar: A resonance case. In *MODERN PHYSICS LETTERS A*. ISSN 0217-7323, 2018, vol. 33, no. 27, art. no. 1850159., Registrované v: WOS
3. [1.1] BHATTIPROLU, P.N. - MARTIN, S.P. Prospects for vectorlike leptons at future proton-proton colliders. In *PHYSICAL REVIEW D*. ISSN 2470-0010, JUL 19 2019, vol. 100, no. 1., Registrované v: WOS
4. [1.1] BORAH, Debasish - DASGUPTA, Arnab - PATRA, Sudhanwa. Neutrinoless double beta decay in minimal left-right symmetric model with universal seesaw. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2018, vol. 33, no. 35, art. no. 1850198., Registrované v: WOS
5. [1.1] CAI, Yi - HAN, Tao - LI, Tong - RUIZ, Richard. Lepton Number Violation: Seesaw Models and Their Collider Tests. In *FRONTIERS IN PHYSICS*. ISSN 2296-424X, 2018, vol. 6, art. no. 40., Registrované v: WOS
6. [1.1] CLINE, James M. - HUANG, Weicong - MOORE, Guy D. Challenges for models with composite states. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055029., Registrované v: WOS
7. [1.1] CVETIC, Mirjam - HALVERSON, James - LANGACKER, Paul. String consistency, heavy exotics, and the 750 GeV diphoton excess at the LHC. In *FORTSCHRITTE DER PHYSIK-PROGRESS OF PHYSICS*. ISSN 0015-8208, 2016, vol. 64, no. 10, pp. 748-782., Registrované v: WOS
8. [1.1] DAVOUDIASL, Hooman - GIARDINO, Pier Paolo - ZHANG, Cen. Higgs-like boson at 750 GeV and genesis of baryons. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015006., Registrované v: WOS
9. [1.1] HAMADA, Yuta - KAWAI, Hikaru - KAWANA, Kiyoharu - TSUMURA, Koji. Models of the LHC diphoton excesses valid up to the Planck scale. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 014007., Registrované v: WOS
10. [1.1] CHANG, We-Fu - NG, John N. Study of gauged lepton symmetry signatures at colliders. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035015., Registrované v: WOS
11. [1.1] KAWAMURA, J. - RABY, S. - TRAUTNER, A. Complete vectorlike fourth family and new U(1)' for muon anomalies. In *PHYSICAL REVIEW D*. ISSN 2470-0010, SEP 18 2019, vol. 100, no. 5., Registrované v:

WOS

12. [1.1] KAWAMURA, J. - RABY, S. - TRAUTNER, A. Complete vectorlike fourth family with $U(1)'$: A global analysis. In *PHYSICAL REVIEW D*. ISSN 2470-0010, FEB 19 2020, vol. 101, no. 3., Registrované v: WOS
13. [1.1] MART, T. - KRISTIANO, J. - CLYMTON, S. Pure spin-3/2 representation with consistent interactions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, SEP 27 2019, vol. 100, no. 3., Registrované v: WOS
14. [1.1] MCDERMOTT, Samuel D. - MEADE, Patrick - RAMANI, Harikrishnan. Singlet scalar resonances and the diphoton excess. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2016, vol. 755, pp. 353-357., Registrované v: WOS

ADCA867 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for heavy long-lived charged particles with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV. In *Physics Letters B*, 2011, vol. 703, no. 4, p. 428-446. (2010: 5.255 - IF, Q1 - JCR, 3.103 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] FRANK, M. - FUKS, B. - OZDAL, O. Natural dark matter and light bosons with an alternative left-right symmetry. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, APR 20 2020, no. 4., Registrované v: WOS
2. [1.1] FRANK, M. - MAJUMDAR, C. - POULOSE, P. - SENAPATI, S. - YAJNIK, U.A. Exploring 0 nu beta beta and leptogenesis in the alternative left-right model. In *PHYSICAL REVIEW D*. ISSN 1550-7998, OCT 19 2020, vol. 102, no. 7., Registrované v: WOS
3. [1.1] KRAETSCHMER, Ilse. Production of $\eta(c)$, $\chi(c)$ and $\chi(b)$ Mesons in Proton-(Anti) Proton Collisions. In *FEW-BODY SYSTEMS*. ISSN 0177-7963, 2017, vol. 58, no. 2., Registrované v: WOS
4. [1.1] MERAFINA, M. - SATURNI, F.G. - CURCEANU, C. - DEL GRANDE, R. - PISCICCHIA, K. Self-gravitating strange dark matter halos around galaxies. In *PHYSICAL REVIEW D*. ISSN 1550-7998, OCT 15 2020, vol. 102, no. 8., Registrované v: WOS

ADCA868 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for heavy long-lived charged R-hadrons with the ATLAS detector in 3.2 fb⁻¹ of proton-proton collision data at $\sqrt{s}=13$ TeV. In *Physics Letters B*, 2016, vol. 760, p. 647-665. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2016.07.042>

Ohlasy:

1. [1.1] BELANGER, G. - BOUDJEMA, F. - GOUDELIS, A. - PUKHOV, A. - ZALDIVAR, B. micrOMEGAs5.0: Freeze-in. In *COMPUTER PHYSICS COMMUNICATIONS*. ISSN 0010-4655, 2018, vol. 231, pp. 173-186., Registrované v: WOS
2. [1.1] BERNAL, Nicolas - HEIKINHEIMO, Matti - TENKANEN, Tommi - TUOMINEN, Kimmo - VASKONEN, Ville. The dawn of FIMP Dark Matter: A review of models and constraints. In *INTERNATIONAL JOURNAL*

OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 27, art. no. 1730023., Registrované v: WOS

3. [1.1] BHATTACHERJEE, Biplob - BYAKTI, Pritibhajan - KUSHWAHA, Ashwani - VEMPATI, Sudhir K. Unification with vector-like fermions and signals at LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 090., Registrované v: WOS

4. [1.1] BOND, Andrew D. - HILLER, Gudrun - KOWALSKA, Kamila - LITIM, Daniel F. Directions for model building from asymptotic safety. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 004., Registrované v: WOS

5. [1.1] CROON, D. - HOUTZ, R. - SANZ, V. Dynamical axions and gravitational waves. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 24 2019, no. 7., Registrované v: WOS

6. [1.1] DAVOLI, Alessandro - DE SIMONE, Andrea - JACQUES, Thomas - SANZ, Veronica. Displaced vertices from pseudo-Dirac dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 11, art. no. 025., Registrované v: WOS

7. [1.1] DAVOLI, Alessandro - DE SIMONE, Andrea - JACQUES, Thomas - MORANDINI, Alessandro. LHC phenomenology of dark matter with a color-octet partner. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 054., Registrované v: WOS

8. [1.1] DEV, P. S. Bhupal - MOHAPATRA, Rabindra N. - ZHANG, Yongchao. Naturally stable right-handed neutrino dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 11, art. no. 077., Registrované v: WOS

9. [1.1] EL HEDRI, Sonia - KAMINSKA, Anna - DE VRIES, Maikel - ZURITA, Jose. Simplified phenomenology for colored dark sectors. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, art. no. 118., Registrované v: WOS

10. [1.1] ELLIS, Joshua P. - VOLKAS, Raymond R. Phenomenological analysis of an E-6-inspired seesaw model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 095016., Registrované v: WOS

11. [1.1] ENGLERT, Christoph - JAECKEL, Joerg. Getting stuck! Using monosignatures to test highly ionizing particles. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 769, pp. 513-519., Registrované v: WOS

12. [1.1] EVANS, J.A. - LUTY, M.A. Stopping quirks at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 18 2019, no. 6., Registrované v: WOS

13. [1.1] FARINA, Marco - LOW, Matthew. Constraining Quirky Tracks with Conventional Searches. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 11, art. no. 111801., Registrované v: WOS

14. [1.1] FERRARI, S. - HAMBYE, T. - HEECK, J. - TYTGAT, M.H.G. SO(10) paths to dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 25 2019, vol. 99, no. 5., Registrované v: WOS

15. [1.1] GAILLARD, M. K. - GAVELA, M. B. - HOUTZ, R. - QUILEZ, P. - DEL REY, R. Color unified dynamical axion. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 11, art. no. 972., Registrované v: WOS

16. [1.1] CHOWDHURY, Debtosh - PATEL, Ketan M. - TATA, Xerxes - VEMPATI, Sudhir K. Indirect searches of the degenerate MSSM. In

PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075025.,
Registrované v: WOS

17. [1.1] JAGER, S. - KVEDARAITE, S. - PEREZ, G. - SAVORAY, I.
Bounds and prospects for stable multiply charged particles at the LHC. In
JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 4 2019, no.
4., Registrované v: WOS

18. [1.1] JANA, Sudip - OKADA, Nobuchika - RAUT, Digesh.
Displaced vertex signature of type-I seesaw model. In PHYSICAL REVIEW D.
ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035023., Registrované v: WOS

19. [1.1] JOGLEKAR, Aniket - ROSNER, Jonathan L. Searching for
signatures of E-6. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96,
no. 1, art. no. 015026., Registrované v: WOS

20. [1.1] KATS, Yevgeny - MCCULLOUGH, Matthew - PEREZ, Gilad -
SOREQ, Yotam - THALER, Jesse. Colorful Twisted Top Partners and
Partnerium at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN
1029-8479, 2017, no. 6, art. no. 126., Registrované v: WOS

21. [1.1] KAWAMURA, J. - OKAWA, S. - OMURA, Y. - TANG, Y.
WIMP dark matter in the parity solution to the strong CP problem. In JOURNAL
OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 30 2019, no. 4.,
Registrované v: WOS

22. [1.1] KHOZE, Valentin V. - PLASCENCIA, Alexis D. - SAKURAI,
Kazuki. Simplified models of dark matter with a long-lived co-annihilation
partner. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017,
no. 6, art. no. 041., Registrované v: WOS

23. [1.1] KIM, Jeong Han - LEWIS, Ian M. Loop induced single top
partner production and decay at the LHC. In JOURNAL OF HIGH ENERGY
PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 095., Registrované v: WOS

24. [1.1] LI, J.M. - LI, T.J. - PEI, J.L. - ZHANG, W.X. Uncovering quirk
signal via energy loss inside tracker. In PHYSICAL REVIEW D. ISSN
1550-7998, SEP 9 2020, vol. 102, no. 5., Registrované v: WOS

25. [1.1] LI, J.M. - LI, T.J. - PEI, J.L. - ZHANG, W.X. The quirk
trajectory. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 21
2020, vol. 80, no. 7., Registrované v: WOS

26. [1.1] NAGATA, Natsumi - OLIVE, Keith A. - ZHENG, Jiaming.
Asymmetric dark matter models in SO(10). In JOURNAL OF COSMOLOGY
AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2017, no. 2, art. no. 016.,
Registrované v: WOS

27. [1.1] SMARANDA, D.D. - MILLER, D.J. Scherk-Schwarz orbifolds
at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol.
100, no. 7., Registrované v: WOS

ADCA869 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. -
ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol.
Search for heavy long-lived multi-charged particles in pp collisions at root s=8 TeV
using the ATLAS detector. In *European Physical Journal C*, 2015, vol. 75, no. 8,
art. no. 362. (2014: 5.084 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current Contents -
CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na:
<https://doi.org/10.1140/epjc/s10052-015-3534-2>

Ohlasy:

1. [1.1] ANTUSCH, S. - FISCHER, O. - HAMMAD, A. - SCHERB, C.

- Low scale type II seesaw: present constraints and prospects for displaced vertex searches. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 25 2019, no. 2., Registrované v: WOS
2. [1.1] BARRIE, Neil D. - KOBAKHIDZE, Archil - LIANG, Shelley - TALIA, Matthew - WU, Lei. Exotic lepton searches via bound state production at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 781, pp. 364-367., Registrované v: WOS
3. [1.1] CAI, Yi - GARCIA, Juan Herrero - SCHMIDT, Michael A. - VICENTE, Avelino - VOLKAS, Raymond R. From the Trees to the Forest: A Review of Radiative Neutrino Mass Models. In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2017, vol. 5, art. no. 63., Registrované v: WOS
4. [1.1] CAI, Yi - HAN, Tao - LI, Tong - RUIZ, Richard. Lepton Number Violation: Seesaw Models and Their Collider Tests. In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2018, vol. 6, art. no. 40., Registrované v: WOS
5. [1.1] ENGLERT, Christoph - JAECKEL, Joerg. Getting stuck! Using monosignatures to test highly ionizing particles. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 769, pp. 513-519., Registrované v: WOS
6. [1.1] GLUZA, J. - KORDIACZYNSKA, M. - SRIVASTAVA, T. Doubly Charged Higgs Bosons and Spontaneous Symmetry Breaking at eV and TeV Scales. In SYMMETRY-BASEL. JAN 2020, vol. 12, no. 1., Registrované v: WOS
7. [1.1] JAGER, S. - KVEDARAITE, S. - PEREZ, G. - SAVORAY, I. Bounds and prospects for stable multiply charged particles at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 4 2019, no. 4., Registrované v: WOS
8. [1.1] KHLOPOV, Maxim Yu. Probes for dark matter physics. In INTERNATIONAL JOURNAL OF MODERN PHYSICS D. ISSN 0218-2718, 2018, vol. 27, no. 6., Registrované v: WOS
9. [1.1] KHLOPOV, M.Y. Direct and Indirect Probes for Composite Dark Matter. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JAN 29 2019, vol. 7., Registrované v: WOS
10. [1.1] KHLOPOV, M.Y. Removing the conspiracy of BSM physics and BSM cosmology. In INTERNATIONAL JOURNAL OF MODERN PHYSICS D. ISSN 0218-2718, OCT 2019, vol. 28, no. 13, SI., Registrované v: WOS
11. [1.1] OZANSOY, A. Doubly Charged Lepton Search Potential of the FCC-Based Energy-Frontier Electron-Proton Colliders. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, JUN 5 2020, vol. 2020., Registrované v: WOS
12. [1.1] ZHANG, P.M. - ZOU, A.P. - CHO, Y.M. Regularization of electroweak monopole by charge screening and BPS energy bound. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2020, vol. 80, no. 3., Registrované v: WOS

ADCA870 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at $\sqrt{s}=8$ TeV. In *Journal of High Energy Physics*, 2015, vol. 2015, no. 7, art. no. 162. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS,

SCOPUS). ISSN 1029-8479. Dostupné na:
[https://doi.org/10.1007/JHEP07\(2015\)162](https://doi.org/10.1007/JHEP07(2015)162)

Ohlasy:

1. [1.1] ABADA, Asmaa - DE ROMERI, Valentina - LUCENTE, Michele - TEIXEIRA, Ana M. - TOMA, Takashi. Effective Majorana mass matrix from tau and pseudoscalar meson lepton number violating decays. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 169., Registrované v: WOS
2. [1.1] ABADA, A. - ARCADI, G. - DOMCKE, V. - DREWES, M. - KLARIC, J. - LUCENTE, M. Low-scale leptogenesis with three heavy neutrinos. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 21 2019, no. 1., Registrované v: WOS
3. [1.1] ARBELAEZ, Carolina - DIB, Claudio - SCHMIDT, Ivan - CARLOS VASQUEZ, Juan. Probing the Dirac or Majorana nature of the heavy neutrinos in pure leptonic decays at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055011., Registrované v: WOS
4. [1.1] AWASTHI, Ram Lal - DASGUPTA, Arnab - MITRA, Manimala. Limiting the effective mass and new physics parameters from $0\nu\beta\beta$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 073003., Registrované v: WOS
5. [1.1] AWASTHI, Ram Lal - DEV, P. S. Bhupal - MITRA, Manimala. Implications of the diboson excess for neutrinoless double beta decay and lepton flavor violation in TeV scale left-right symmetric model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 011701., Registrované v: WOS
6. [1.1] BALANTEKIN, A.B. - DE GOUVEA, A. - KAYSER, B. Addressing the Majorana vs. Dirac question with neutrino decays. In PHYSICS LETTERS B. ISSN 0370-2693, FEB 10 2019, vol. 789, p. 488-495., Registrované v: WOS
7. [1.1] BANDYOPADHYAY, T. - DAS, D. - PASECHNIK, R. - RATHSMAN, J. Complementary bound on the W' mass from Higgs boson to diphoton decay. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 14 2019, vol. 99, no. 11., Registrované v: WOS
8. [1.1] BISCHER, I. - RODEJOHANN, W. General neutrino interactions from an effective field theory perspective. In NUCLEAR PHYSICS B. ISSN 0550-3213, OCT 2019, vol. 947., Registrované v: WOS
9. [1.1] BISWAL, Sudhansu S. - DEV, P. S. Bhupal. Probing left-right seesaw models using beam polarization at an $e(+)e(-)$ collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115031., Registrované v: WOS
10. [1.1] BOLTON, P.D. - DEPPISCH, F.F. - DEV, P.S.B. Neutrinoless double beta decay versus other probes of heavy sterile neutrinos. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 27 2020, no. 3., Registrované v: WOS
11. [1.1] BONDARENKO, K. - BOYARSKY, A. - OVCHYNNIKOV, M. - RUCHAYSKIY, O. Sensitivity of the intensity frontier experiments for neutrino and scalar portals: analytic estimates. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 12 2019, no. 8., Registrované v: WOS
12. [1.1] BORAH, Debasish - DASGUPTA, Arnab - PATRA, Sudhanwa.

Neutrinoless double beta decay in minimal left-right symmetric model with universal seesaw. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 35, art. no. 1850198., Registrované v: WOS

13. [1.1] BOYARSKY, A. - DREWES, M. - LASSERRE, T. - MERTENS, S. - RUCHAYSKIY, O. Sterile neutrino Dark Matter. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, JAN 2019, vol. 104, p. 1-45., Registrované v: WOS

14. [1.1] CAI, Yi - CLARKE, Jackson D. - VOLKAS, Raymond R. - YANAGIDA, Tsutomu T. TeV-scale pseudo-Dirac seesaw mechanisms in an E-6 inspired model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 033003., Registrované v: WOS

15. [1.1] CAI, Yi - HAN, Tao - LI, Tong - RUIZ, Richard. Lepton Number Violation: Seesaw Models and Their Collider Tests. In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2018, vol. 6, art. no. 40., Registrované v: WOS

16. [1.1] COLOMA, Pilar - DOBRESCU, Bogdan A. - LOPEZ-PAVON, Jacobo. Right-handed neutrinos and the 2 TeV W' boson. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 115023., Registrované v: WOS

17. [1.1] COX, Peter - HAN, Chengcheng - YANAGIDA, Tsutomu T. LHC search for right-handed neutrinos in Z' models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 1, art. no. 037., Registrované v: WOS

18. [1.1] CVETIC, G. - DAS, A. - ZAMORA-SAA, J. Probing heavy neutrino oscillations in rare W boson decays. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JUL 2019, vol. 46, no. 7., Registrované v: WOS

19. [1.1] DAS, Arindam - DEV, P. S. Bhupal - KIM, C. S. Constraining sterile neutrinos from precision Higgs data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115013., Registrované v: WOS

20. [1.1] DAS, Arindam - DEV, P. S. Bhupal - MOHAPATRA, Rabindra N. Same sign versus opposite sign dileptons as a probe of low scale seesaw mechanisms. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 015018., Registrované v: WOS

21. [1.1] DAS, Arindam - KONAR, Partha - THALAPILLIL, Arun. Jet substructure shedding light on heavy Majorana neutrinos at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 083., Registrované v: WOS

22. [1.1] DAS, Arindam - OKADA, Nobuchika. Improved bounds on the heavy neutrino productions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 033003., Registrované v: WOS

23. [1.1] DAS, A. - DEV, P.S.B. - OKADA, N. Long-lived TeV-scale right-handed neutrino production at the LHC in gauged $U(1)(X)$ model. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2019, vol. 799., Registrované v: WOS

24. [1.1] DAS, A. - JANA, S. - MANDAL, S. - NANDI, S. Probing right handed neutrinos at the LHeC and lepton colliders using fat jet signatures. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 25 2019, vol. 99, no. 5., Registrované v: WOS

25. [1.1] DAS, Debottam - GHOSH, Kirtiman - MITRA, Manimala -

- MONDAL, Subhadeep. Probing sterile neutrinos in the framework of inverse seesaw mechanism through leptoquark productions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 015024., Registrované v: WOS
26. [1.1] DAVIDSON, S. - SAPORTA, A. Constraints on $2l2q$ operators from $\mu - e$ flavor-changing meson decays. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 24 2019, vol. 99, no. 1., Registrované v: WOS
27. [1.1] DEGRANDE, Celine - MATTELAER, Olivier - RUIZ, Richard - TURNER, Jessica. Fully automated precision predictions for heavy neutrino production mechanisms at hadron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 053002., Registrované v: WOS
28. [1.1] DEPPISCH, Frank F. - GRAF, Lukas - KULKARNI, Suchita - PATRA, Sudhanwa - RODEJOHANN, Werner - SAHU, Narendra - SARKAR, Utpal. Reconciling the 2 TeV excesses at the LHC in a linear seesaw left-right model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 013011., Registrované v: WOS
29. [1.1] DEV, P. S. Bhupal - MOHAPATRA, R. N. Unified Explanation of the $eejj$, Diboson, and Dijet Resonances at the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 18, art. no. 181803., Registrované v: WOS
30. [1.1] DIB, Claudio O. - KIM, C. S. Discovering sterile neutrinos lighter than M-W at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 093009., Registrované v: WOS
31. [1.1] DIB, C.O. - KIM, C.S. - ARAYA, S.T. Search for light sterile neutrinos from $W^{+/-}$ decays at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 19 2020, vol. 101, no. 3., Registrované v: WOS
32. [1.1] DREWES, Marco - GARBRECHT, Bjoern. Combining experimental and cosmological constraints on heavy neutrinos. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 921, pp. 250-315., Registrované v: WOS
33. [1.1] DUARTE, Lucia - PERESSUTTI, Javier - SAMPAYO, Oscar A. Not-that-heavy Majorana neutrino signals at the LHC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 2, art. no. 025001., Registrované v: WOS
34. [1.1] DUARTE, Lucia - ROMERO, Ismael - PERESSUTTI, Javier - SAMPAYO, Oscar A. Effective Majorana neutrino decay. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 8, art. no. 453., Registrované v: WOS
35. [1.1] DUBE, Sourabh - GADKARI, Divya - THALAPILLIL, Arun M. Lepton jets and low-mass sterile neutrinos at hadron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 055031., Registrované v: WOS
36. [1.1] EIJIMA, S. - SHAPOSHNIKOV, M. - TIMIRYASOV, I. Parameter space of baryogenesis in the nu MSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 15 2019, no. 7., Registrované v: WOS
37. [1.1] ESCRIHUELA, F. J. - FORERO, D. V. - MIRANDA, O. G. - TORTOLA, M. - VALLE, J. W. F. Probing CP violation with non-unitary mixing in long-baseline neutrino oscillation experiments: DUNE as a case study. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2017, vol. 19, art. no. 093005., Registrované v: WOS

38. [1.1] FARZAN, Y. A model for lepton flavor violating non-standard neutrino interactions. In PHYSICS LETTERS B. ISSN 0370-2693, APR 10 2020, vol. 803., Registrované v: WOS
39. [1.1] FLOREZ, Andres - GUI, Kaiwen - GURROLA, Alfredo - PATINO, Carlos - RESTREPO, Diego. Expanding the reach of heavy neutrino searches at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 778, pp. 94-100., Registrované v: WOS
40. [1.1] FUKUYAMA, T. - MIMURA, Y. mu-tau symmetry breaking and CP violation in the neutrino mass matrix. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 6 2020, vol. 102, no. 1., Registrované v: WOS
41. [1.1] GLUZA, Janusz - JELINSKI, Tomasz - SZAFRON, Robert. Lepton number violation and 'Diracness' of massive neutrinos composed of Majorana states. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 113017., Registrované v: WOS
42. [1.1] HELO, J. C. - HIRSCH, M. LHC dijet constraints on double beta decay. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 073017., Registrované v: WOS
43. [1.1] CHRZASZCZ, M. - DREWES, M. - GONZALO, T.E. - HARZ, J. - KRISHNAMURTHY, S. - WENIGER, C. A Frequentist analysis of three right-handed neutrinos with GAMBIT. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 24 2020, vol. 80, no. 6., Registrované v: WOS
44. [1.1] CHUN, E. J. - CVETIC, G. - DEV, P. S. B. - DREWES, M. - FONG, C. S. - GARBRECHT, B. - HAMBYE, T. - HARZ, J. - HERNANDEZ, P. - KIM, C. S. - MOLINARO, E. - NARDI, E. - RACKER, J. - RIUS, N. - ZAMORA-SAA, J. Probing leptogenesis. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 5-6, art. no. 1842005., Registrované v: WOS
45. [1.1] KLING, Felix - TROJANOWSKI, Sebastian. Heavy neutral leptons at FASER. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095016., Registrované v: WOS
46. [1.1] LINDNER, Manfred - PATEL, Hiren H. - RADOVCIC, Branimir. Electroweak absolute, meta-, and thermal stability in neutrino mass models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 073005., Registrované v: WOS
47. [1.1] MANDAL, Sanjoy - MITRA, Manimala - SINHA, Nita. Constraining the right-handed gauge boson mass from lepton number violating meson decays in a low scale left-right model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035023., Registrované v: WOS
48. [1.1] MANDAL, Sanjoy - SINHA, Nita - MITRA, Manimala. Probing leptoquarks and heavy neutrinos at the LHeC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095004., Registrované v: WOS
49. [1.1] MIRANDA, O. G. - VALLE, J. W. F. Neutrino oscillations and the seesaw origin of neutrino mass. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 908, pp. 436-455., Registrované v: WOS
50. [1.1] MIRANDA, O.G. - PAPOULIAS, D.K. - SANDERS, O. - TORTOLA, M. - VALLE, J.W.F. Future CEvNS experiments as probes of lepton unitarity and light sterile neutrinos. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 24 2020, vol. 102, no. 11., Registrované v: WOS
51. [1.1] MITRA, Manimala - RUIZ, Richard - SCOTT, Darren J. - SPANNOVSKY, Michael. Neutrino jets from high-mass W-R gauge bosons in

- TeV-scale left-right symmetric models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 095016., Registrované v: WOS
52. [1.1] PASCOLI, S. - RUIZ, R. - WEILAND, C. Heavy neutrinos with dynamic jet vetoes: multilepton searches at $s=14, 27$, and 100 TeV. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 13 2019, no. 6., Registrované v: WOS
53. [1.1] PEREZ, P.F. - PLASCENCIA, A.D. Probing the nature of neutrinos with a new force. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 16 2020, vol. 102, no. 1., Registrované v: WOS
54. [1.1] QUEIROZ, Farinaldo S. Comment on "Polarized window for left-right symmetry and a right-handed neutrino at the Large Hadron-Electron Collider". In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 118701., Registrované v: WOS
55. [1.1] SABTI, N. - MAGALICH, A. - FILIMONOVA, A. An extended analysis of Heavy Neutral Leptons during Big Bang Nucleosynthesis. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, NOV 2020, no. 11., Registrované v: WOS
56. [1.1] SENAPATI, S. - MAJUMDAR, C. - PRITIMITA, P. - PATRA, S. A comparative study of $0 \nu \beta \beta$ decay in symmetric and asymmetric left-right model. In NUCLEAR PHYSICS B. ISSN 0550-3213, MAY 2020, vol. 954., Registrované v: WOS
57. [1.1] SRUTHILAYA, M. - MOHANTA, Rukmani - PATRA, Sudhanwa. Neutrino mass and neutrinoless double beta decay in $SO(10)$ GUT with Pati-Salam symmetry. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 7, art. no. 075004., Registrované v: WOS
58. [1.1] TANG, Yi-Lei. Probing a light sterile neutrino through heavy charged Higgs boson decays at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035043., Registrované v: WOS
59. [1.1] TASTET, J.L. - TIMIRYASOV, I. Dirac vs. Majorana HNLs (and their oscillations) at SHiP. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 1 2020, no. 4., Registrované v: WOS
60. [1.1] WANG, Weijian - HAN, Zhi-Long. Global $U(1)(L)$ symmetry breaking in a neutrinophilic 2HDM: From LHC signatures to x-ray lines. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 053015., Registrované v: WOS
61. [1.1] ZHANG, Y. - ZHANG, B. A potential scenario for Majorana neutrino detection at future lepton colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 26 2019, no. 2., Registrované v: WOS

ADCA871 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for heavy Majorana or Dirac neutrinos and right-handed W gauge bosons in final states with two charged leptons and two jets at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2019, no. 1, art. no. 016. (2018: 5.833 - IF, Q1 - JCR, 1.016 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP01\(2019\)016](https://doi.org/10.1007/JHEP01(2019)016)

Ohlasy:

1. [1.1] BONILLA, C. - CENTELLES-CHULIA, S. - CEPPEDELLO, R.

- PEINADO, E. - SRIVASTAVA, R. Dark matter stability and Dirac neutrinos using only standard model symmetries. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 27 2020, vol. 101, no. 3., Registrované v: WOS
2. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
3. [1.1] DELEPINE, D. - FAISEL, G. - RAMIREZ, C.A. Direct CP violation in $D^+ \rightarrow K^0((K)^{\text{over-bar}}(0))\pi^+$ decays as a probe for new physics. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 2 2020, vol. 80, no. 7., Registrované v: WOS
4. [1.1] DEPPISCH, F.F. - GRAF, L. - IACHELLO, F. - KOTILA, J. Analysis of light neutrino exchange and short-range mechanisms in $0\nu\beta\beta$ decay. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 16 2020, vol. 102, no. 9., Registrované v: WOS
5. [1.1] DEPPISCH, F.F. - GRAF, L. - SIMKOVIC, F. Searching for New Physics in Two-Neutrino Double Beta Decay. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, OCT 19 2020, vol. 125, no. 17., Registrované v: WOS
6. [1.1] FRANK, M. - OZDAL, O. - POULOSE, P. Relaxing LHC constraints on the W-R mass. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 5 2019, vol. 99, no. 3., Registrované v: WOS
7. [1.1] FRASER, S. - GABRIELLI, E. - MARZO, C. - MARZOLA, L. - RAIDAL, M. Left-right supersymmetry as the origin of flavor structure. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 2 2019, vol. 100, no. 11., Registrované v: WOS
8. [1.1] CHATTERJEE, A. - FRANK, M. - FUKS, B. - HUITU, K. - MONDAL, S. - RAI, S.K. - WALTARI, H. Multileptonic signals of co-annihilating left-right supersymmetric dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 15 2019, vol. 99, no. 3., Registrované v: WOS
9. [1.1] KRAVARUSIC, J. - ALEPPO, G. Diabetes Technology Use in Adults with Type 1 and Type 2 Diabetes. In ENDOCRINOLOGY AND METABOLISM CLINICS OF NORTH AMERICA. ISSN 0889-8529, MAR 2020, vol. 49, no. 1, p. 37-+, Registrované v: WOS
10. [1.1] SENAPATI, S. - MAJUMDAR, C. - PRITIMITA, P. - PATRA, S. A comparative study of $0\nu\beta\beta$ decay in symmetric and asymmetric left-right model. In NUCLEAR PHYSICS B. ISSN 0550-3213, MAY 2020, vol. 954., Registrované v: WOS
11. [1.1] SMITH, R.J.E. - ASHTON, G. - VAJPEYI, A. - TALBOT, C. Massively parallel Bayesian inference for transient gravitational-wave astronomy. In MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. ISSN 0035-8711, NOV 2020, vol. 498, no. 3, p. 4492-4502., Registrované v: WOS

ADCA872 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Search for heavy metastable particles decaying to jet pairs in $p(p)^{\text{over-bar}}$ collisions at $\sqrt{s}=1.96$ TeV. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2012, vol. 85, no. 1, art. no. 012007. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.85.012007>

Ohlasy:

1. [1.1] CSAKI, Csaba - KUFLIK, Eric - LOMBARDO, Salvator - SLONE, Oren. Searching for displaced Higgs boson decays. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 073008., Registrované v: WOS

ADCA873 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for heavy neutrinos and right-handed W bosons in events with two leptons and jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *European Physical Journal C*, 2012, vol. 72, no. 6, art. no. 2056. (2011: 3.631 - IF, Q2 - JCR, 2.962 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-012-2056-4>

Ohlasy:

1. [1.1] AYDEMIR, Ufuk - MINIC, Djordje - SUN, Chen - TAKEUCHI, Tatsu. Higgs mass, superconnections, and the TeV-scale left-right symmetric model. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 4, art. no. 045020., Registrované v: WOS
2. [1.1] BISWAS, A. - BORAH, D. - DASGUPTA, A. UV complete framework of freeze-in massive particle dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 24 2019, vol. 99, no. 1., Registrované v: WOS
3. [1.1] BOUCENNA, Sofiane M. - KRAUSS, Martin B. - NARDI, Enrico. Dark matter from the vector of SO(10). In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 755, pp. 168-176., Registrované v: WOS
4. [1.1] CAI, Yi - HAN, Tao - LI, Tong - RUIZ, Richard. Lepton Number Violation: Seesaw Models and Their Collider Tests. In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2018, vol. 6, art. no. 40., Registrované v: WOS
5. [1.1] CASTILLO-FELISOLA, Oscar - DIB, Claudio O. - HELO, Juan C. - KOVALENKO, Sergey G. - ORTIZ, Sebastian E. Left-right symmetric models at the high-intensity frontier. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 1, art. no. 013001., Registrované v: WOS
6. [1.1] CIVITARESE, Osvaldo - SUHONEN, Jouni - ZUBER, Kai. Combining data from high-energy pp-reactions and neutrinoless double-beta decay: Limits on the mass of the right-handed boson. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 10, art. no. 1650081., Registrované v: WOS
7. [1.1] CIVITARESE, O. - SUHONEN, J. - ZUBER, K. Simultaneous analysis of neutrinoless double beta decay and LHC pp-cross sections: limits on the left-right mixing angle. In XXXVIII SYMPOSIUM ON NUCLEAR PHYSICS (COCOYOC 2015). ISSN 1742-6588, 2015, vol. 639, art. no. 012012., Registrované v: WOS
8. [1.1] CIVITARESE, O. - SUHONEN, J. - ZUBER, K. Testing Left-Right extensions of the standard model of electroweak interactions with double-beta decay and LHC measurements. In XXXVII BRAZILIAN MEETING ON NUCLEAR PHYSICS. ISSN 1742-6588, 2015, vol. 630, art. no. 012055., Registrované v: WOS
9. [1.1] DE GOUVEA, Andre - KOBACH, Andrew. Global constraints on a heavy neutrino. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 033005., Registrované v: WOS
10. [1.1] DEPPISCH, Frank F. - DEV, P. S. Bhupal - PILAFTSIS,

- Apostolos. Neutrinos and collider physics. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, art. no. 075019., Registrované v: WOS
11. [1.1] DEPPISCH, Frank F. - GONZALO, Tomas E. - PATRA, Sudhanwa - SAHU, Narendra - SARKAR, Utpal. Double beta decay, lepton flavor violation, and collider signatures of left-right symmetric models with spontaneous D-parity breaking. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 1, art. no. 015018., Registrované v: WOS
 12. [1.1] DEV, P. S. Bhupal - GOSWAMI, Srubabati - MITRA, Manimala. TeV-scale left-right symmetry and large mixing effects in neutrinoless double beta decay. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 113004., Registrované v: WOS
 13. [1.1] DREWES, Marco - GARBRECHT, Bjoern. Combining experimental and cosmological constraints on heavy neutrinos. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 921, pp. 250-315., Registrované v: WOS
 14. [1.1] DUARTE, Lucia - GONZALEZ-SPRINBERG, Gabriel A. - SAMPAYO, Oscar A. Majorana neutrinos production at LHeC in an effective approach. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 5, art. no. 053007., Registrované v: WOS
 15. [1.1] DUARTE, Lucia - PERESSUTTI, Javier - SAMPAYO, Oscar A. Not-that-heavy Majorana neutrino signals at the LHC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 2, art. no. 025001., Registrované v: WOS
 16. [1.1] DUARTE, Lucia - ROMERO, Ismael - PERESSUTTI, Javier - SAMPAYO, Oscar A. Effective Majorana neutrino decay. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 8, art. no. 453., Registrované v: WOS
 17. [1.1] GUTIERREZ-RODRIGUEZ, A. - KOKSAL, M. - BILLUR, A.A. - HERNANDEZ-RUIZ, M.A. Studies on the anomalous magnetic and electric dipole moments of the tau-neutrino in pp collisions at the LHC. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, AUG 2019, vol. 55, no. 8., Registrované v: WOS
 18. [1.1] HIRSCH, Martin. Theoretical Implications of $0 \nu \beta \beta$ Decay Measurements. In XXVI INTERNATIONAL CONFERENCE ON NEUTRINO PHYSICS AND ASTROPHYSICS (NEUTRINO 2014). ISSN 0094-243X, 2015, vol. 1666, art. no. 170007., Registrované v: WOS
 19. [1.1] HIRSCH, M. Neutrinos, lepton number violation and the LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2015, vol. 265, pp. 296-301., Registrované v: WOS
 20. [1.1] LIAO, Yi - MA, Xiao-Dong. Operators up to dimension seven in standard model effective field theory extended with sterile neutrinos. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015012., Registrované v: WOS
 21. [1.1] LINDNER, Manfred - QUEIROZ, Farinaldo S. - RODEJOHANN, Werner. Dilepton bounds on left-right symmetry at the LHC run II and neutrinoless double beta decay. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 762, pp. 190-195., Registrované v: WOS
 22. [1.1] MANDAL, Sanjoy - SINHA, Nita - MITRA, Manimala. Probing leptoquarks and heavy neutrinos at the LHeC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095004., Registrované v: WOS

23. [1.1] MONDAL, Subhadeep - RAI, Santosh Kumar. Probing the heavy neutrinos of inverse seesaw model at the LHeC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 033008., Registrované v: WOS
24. [1.1] NEMEVSEK, Miha - NESTI, Fabrizio - POPARA, Goran. Keung-Senjanovic process at the LHC: From lepton number violation to displaced vertices to invisible decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115018., Registrované v: WOS
25. [1.1] RASMUSSEN, Rasmus W. - WINTER, Walter. Perspectives for tests of neutrino mass generation at the GeV scale: Experimental reach versus theoretical predictions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 073004., Registrované v: WOS
26. [1.1] RUIZ, Richard. Lepton number violation at colliders from kinematically inaccessible gauge bosons. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 6, art. no. 375., Registrované v: WOS
27. [1.1] SAHOO, Biswonath - PARIDA, M. K. Low mass right-handed gauge bosons from minimal grand unified theories. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 2642-2644., Registrované v: WOS
28. [1.1] ZHAO, Shi-Yu - YUE, Chong-Xing - YU, You. The HZZ' Coupling and the Higgs-Strahlung Production $pp \rightarrow ZH$ at the LHC. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 2, pp. 648-657., Registrované v: WOS

ADCA874 AABOUD, M. - AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for heavy particles decaying into a top-quark pair in the fully hadronic final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Physical Review D*, 2019, vol. 99, no. 9, art. no. 092004. (2018: 4.368 - IF, Q1 - JCR, 1.703 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.99.092004>

Ohlasy:

1. [1.1] ALTMANNSHOFER, W. - DAVIGHI, J. - NARDECCHIA, M. Gauging the accidental symmetries of the standard model, and implications for the flavor anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 7 2020, vol. 101, no. 1., Registrované v: WOS
2. [1.1] FERREIRA, P.M. - LAVOURA, L. No strong CP violation up to the one-loop level in a two-Higgs-doublet model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 1 2019, vol. 79, no. 7., Registrované v: WOS
3. [1.1] FRANK, M. Evading Z' boson mass limits in $U(1)'$ supersymmetric models. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 21, SI, p. 3205-3220., Registrované v: WOS
4. [1.1] FRANK, M. - HUITU, K. - MONDAL, S. Dark matter and collider signals in supersymmetric $U(1)'$ models with nonuniversal Z' couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 9 2019, vol. 100, no. 11., Registrované v: WOS
5. [1.1] HAYRETER, A. - HE, X.G. - VALENCIA, G. LHC constraints

on W , Z that couple mainly to third generation fermions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 3 2020, vol. 80, no. 10., Registrované v: WOS

6. [1.1] MEGIAS, E. - NARDINI, G. - QUIROS, M. Gravitational imprints from heavy Kaluza-Klein resonances. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 8 2020, vol. 102, no. 5., Registrované v: WOS

7. [1.1] NOTTENSTEINER, F. - ORDELL, A. - PASECHNIK, R. - SERODIO, H. Classification of anomaly-free 2HDMs with a gauged $U(1)'$ symmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 23 2019, vol. 100, no. 11., Registrované v: WOS

ADCA875 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *European Physical Journal C*, 2018, vol. 78, no. 7, art. no. 565. (2017: 5.172 - IF, Q1 - JCR, 2.022 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-018-5995-6>

Ohlasy:

1. [1.1] ALANNE, T. - ARCADI, G. - GOERTZ, F. - TENORTH, V. - VOGL, S. Model-independent constraints with extended dark matter EFT. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 27 2020, no. 10., Registrované v: WOS

2. [1.1] ALLANACH, B.C. - DAVIGHI, J. Naturalising the third family hypercharge model for neutral current B-anomalies. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS

3. [1.1] ALTMANNSHOFER, W. - DAVIGHI, J. - NARDECCHIA, M. Gauging the accidental symmetries of the standard model, and implications for the flavor anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 7 2020, vol. 101, no. 1., Registrované v: WOS

4. [1.1] BAI, Yang - LU, Sida - XIANG, Qian-Fei. Hexapod coloron at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 200., Registrované v: WOS

5. [1.1] BASLER, P. - DAWSON, S. - ENGLERT, C. - MUHLLEITNER, M. Showcasing HH production: Benchmarks for the LHC and HL-LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 29 2019, vol. 99, no. 5., Registrované v: WOS

6. [1.1] BLANCE, A. - SPANNOVSKY, M. - WAITE, P. Adversarially-trained autoencoders for robust unsupervised new physics searches. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 4 2019, no. 10., Registrované v: WOS

7. [1.1] CACCIAPAGLIA, G. - DEANDREA, A. - FLACKE, T. - IYER, A.M. Gluon-photon signatures for color octet at the LHC (and beyond). In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 7 2020, no. 5., Registrované v: WOS

8. [1.1] CARENA, Marcela - MEGIAS, Eugenio - QUIROS, Mariano - WAGNER, Carlos. R - $D^{(*)}$ in custodial warped space. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 043., Registrované

v: WOS

9. [1.1] EGANA-UGRINOVIC, D. - HOMILLER, S. - MEADE, P. Higgs bosons with large couplings to light quarks. In PHYSICAL REVIEW D. ISSN 1550-7998, DEC 23 2019, vol. 100, no. 11., Registrované v: WOS
10. [1.1] ELAHI, F. - MARTIN, A. LHC constraints on a (B-L)(3) gauge boson. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 19 2019, vol. 100, no. 3., Registrované v: WOS
11. [1.1] FARINA, M. - MONDINO, C. - PAPPADOPULO, D. - RUDERMAN, J.T. New physics from high energy tops. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 31 2019, no. 1., Registrované v: WOS
12. [1.1] GUAN, C.S. - MA, T. - SHU, J. Left-right symmetric composite Higgs model. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 24 2020, vol. 101, no. 3., Registrované v: WOS
13. [1.1] IGURO, S. - OMURA, Y. The direct CP violation in a general two Higgs doublet model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 20 2019, no. 8., Registrované v: WOS
14. [1.1] JUNG, S. - LEE, D. - XIE, K.P. Beyond $M_{t(t) \rightarrow \text{bar}}$: learning to search for a broad $t(t) \rightarrow \text{bar}$ resonance at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 8 2020, vol. 80, no. 2., Registrované v: WOS
15. [1.1] LIU, D. - WANG, L.T. - XIE, K.P. Broad composite resonances and their signals at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, OCT 18 2019, vol. 100, no. 7., Registrované v: WOS
16. [1.1] LIU, D. - WANG, L.T. - XIE, K.P. Prospects of searching for composite resonances at the LHC and beyond. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 18 2019, no. 1., Registrované v: WOS
17. [1.1] MEGIAS, Eugenio - NARDINI, Germano - QUIROS, Mariano. Cosmological phase transitions in warped space: gravitational waves and collider signatures. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 095-, Registrované v: WOS
18. [1.1] MIRALLES, V. - PICH, A. LHC bounds on colored scalars. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 24 2019, vol. 100, no. 11., Registrované v: WOS
19. [1.1] NAPOLETANO, Davide - SOYEZ, Gregory. Computing Nsubjettiness for boosted jets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 031., Registrované v: WOS
20. [1.1] NOMURA, T. - SANYAL, P. Lepton specific two-Higgs-doublet model based on a $U(1)_X$ gauge symmetry with dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 20 2019, vol. 100, no. 11., Registrované v: WOS
21. [1.1] NOTTENSTEINER, F. - ORDELL, A. - PASECHNIK, R. - SERODIO, H. Classification of anomaly-free 2HDMs with a gauged $U(1)'$ symmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 23 2019, vol. 100, no. 11., Registrované v: WOS
22. [1.1] OLGUIN-TREJO, Y. - PEREZ-FIGUEROA, O. - PEREZ-MARTINEZ, R. - RAMOS-SANCHEZ, S. $U(1)'$ coupling constant at low energies from heterotic orbifolds. In PHYSICS LETTERS B. ISSN 0370-2693, AUG 10 2019, vol. 795, p. 673-681., Registrované v: WOS

23. [1.1] PARK, C.B. A singular way to search for heavy resonances in missing energy events. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 14 2020, no. 7., Registrované v: WOS

ADCA876 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in 36 fb(-1) of root s=13 TeV pp collisions with the ATLAS detector. In *Journal of High Energy Physics*, 2018, no. 3, art. no. 174. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP03\(2018\)174](https://doi.org/10.1007/JHEP03(2018)174)

Ohlasy:

1. [1.1] BIEKOTTER, A. - CORBETT, T. - PLEHN, T. The Gauge-Higgs legacy of the LHC run II. In SCIPOST PHYSICS. ISSN 2542-4653, JUN 2019, vol. 6, no. 6., Registrované v: WOS
2. [1.1] DAWSON, S. - ENGLERT, C. - PLEHN, T. Higgs physics: It ain't over till it is over. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, JUL 3 2019, vol. 816, p. 1-85., Registrované v: WOS
3. [1.1] HOU, Wei-Shu - KOHDA, Masaya - MODAK, Tanmoy. Constraining a lighter exotic scalar via same-sign top. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 786, pp. 212-216., Registrované v: WOS
4. [1.1] HOU, W.S. - MODAK, T. Production of tZH and tZh in 2HDM: Prospects for discovery at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 7 2020, vol. 101, no. 3., Registrované v: WOS
5. [1.1] CHIU, W.H. - LIU, Z. - WANG, L.T. Probing flavor nonuniversal theories through Higgs physics at the LHC and future colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 28 2020, vol. 101, no. 3., Registrované v: WOS
6. [1.1] KANEMURA, S. - KIKUCHI, M. - MAWATARI, K. - SAKURAI, K. - YAGYU, K. Full next-to-leading-order calculations of Higgs boson decay rates in models with non-minimal scalar sectors. In NUCLEAR PHYSICS B. ISSN 0550-3213, DEC 2019, vol. 949., Registrované v: WOS
7. [1.1] LIU, A. - HAN, Z.L. - JIN, Y. - YANG, F.X. Leptogenesis and dark matter from a low scale seesaw mechanism. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 6 2020, vol. 101, no. 9., Registrované v: WOS
8. [1.1] LI, T. Heavy Higgs bosons at the LHC upgrade. In CHINESE PHYSICS C. ISSN 1674-1137, SEP 2020, vol. 44, no. 9., Registrované v: WOS
9. [1.1] MODAK, T. Probing an additional bottom Yukawa coupling via $b\bar{g} \rightarrow bA \rightarrow bZH$ signature. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 20 2019, vol. 100, no. 3., Registrované v: WOS
10. [1.1] RAO, K. - RINDANI, S.D. W boson polarization as a measure of gauge-Higgs anomalous couplings at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, MAR 2019, vol. 940, p. 78-87., Registrované v: WOS
11. [1.1] SEMLALI, S. - DAY-HALL, H. - MORETTI, S. - BENBRIK, R. Mapping $pp \rightarrow A \rightarrow ZH \rightarrow l^{(+)}l^{(-)}b(b)\text{over-bar}$ and $pp \rightarrow H \rightarrow ZA \rightarrow l^{(+)}l^{(-)}b(b)\text{over-bar}$ current and future searches onto 2HDM parameter spaces. In PHYSICS LETTERS B. ISSN 0370-2693, NOV 10 2020, vol. 810., Registrované v: WOS

12. [1.1] STEGGEMANN, J. Extended Scalar Sectors. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 197-223., Registrované v: WOS

- ADCA877 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for heavy resonances decaying into WW in the $e^+e^- \mu^+\mu^-$ final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *European Physical Journal C*, 2018, vol. 78, no. 1, art. no. 24. (2017: 5.172 - IF, Q1 - JCR, 2.022 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-017-5491-4>
- Ohlasy:
1. [1.1] AGASHE, Kaustubh - COLLINS, Jack H. - DU, Peizhi - HONG, Sungwoo - KIM, Doojin - MISHRA, Rashmish K. Detecting a boosted diboson resonance. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 027., Registrované v: WOS
 2. [1.1] AHMADOV, A.I. W Boson Pair Production in Association with the Photon in Proton-Proton Collisions at LHC Energies. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, SEP 2019, vol. 58, no. 9, p. 2770-2794., Registrované v: WOS
 3. [1.1] AHMED, A. - NAJJARI, S. - VERHAAREN, C.B. A minimal model for neutral naturalness and pseudo-Nambu-Goldstone dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 1 2020, no. 6., Registrované v: WOS
 4. [1.1] ALANNE, T. - ARCADI, G. - GOERTZ, F. - TENORTH, V. - VOGL, S. Model-independent constraints with extended dark matter EFT. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 27 2020, no. 10., Registrované v: WOS
 5. [1.1] ALMEIDA, E.D. - ALVES, A. - ROSA-AGOSTINHO, N. - EBOLI, O.J.P. - GONZALEZ-GARCIA, M.C. Electroweak sector under scrutiny: A combined analysis of LHC and electroweak precision data. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 6 2019, vol. 99, no. 3., Registrované v: WOS
 6. [1.1] ALMEIDA, E.D. - ROSA-AGOSTINHO, N. - EBOLI, O.J.P. - GONZALEZ-GARCIA, M.C. Light-quark dipole operators at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 22 2019, vol. 100, no. 1., Registrované v: WOS
 7. [1.1] ALVES, A. - DIAS, A.G. - LOPES, D.D. Probing ALP-sterile neutrino couplings at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 18 2020, no. 8., Registrované v: WOS
 8. [1.1] ARCADI, G. - DJOUADI, A. - RAIDAL, M. Dark Matter through the Higgs portal. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, FEB 3 2020, vol. 842, p. 1-180., Registrované v: WOS
 9. [1.1] ARPINO, L. - BANFI, A. - JAGER, S. - KAUER, N. BSM WW production with a jet veto. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 13 2019, no. 8., Registrované v: WOS
 10. [1.1] BARMAN, R.K. - BHATTACHERJEE, B. - CHOUDHURY, A. - CHOWDHURY, D. - LAHIRI, J. - RAY, S. Current status of MSSM Higgs sector with LHC 13 TeV data. In EUROPEAN PHYSICAL JOURNAL PLUS.

ISSN 2190-5444, APR 2019, vol. 134, no. 4., Registrované v: WOS

11. [1.1] BASLER, P. - DAWSON, S. - ENGLERT, C. - MUHLLEITNER, M. Showcasing HH production: Benchmarks for the LHC and HL-LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 29 2019, vol. 99, no. 5., Registrované v: WOS

12. [1.1] BAUM, S. - SHAH, N.R. - FREESE, K. The NMSSM is within reach of the LHC: mass correlations & decay signatures. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 1 2019, no. 4., Registrované v: WOS

13. [1.1] BIZOT, Nicolas - CACCIAPAGLIA, Giacomo - FLACKE, Thomas. Common exotic decays of top partners. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 065., Registrované v: WOS

14. [1.1] BRUGGISSER, Sebastian - VON HARLING, Benedict - MATSEDOVSKYI, Oleksii - SERVANT, Geraldine. Electroweak phase transition and baryogenesis in composite Higgs models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 099., Registrované v: WOS

15. [1.1] CADAMURO, L. Higgs boson properties and decays, searches for high mass Higgs bosons, and Higgs boson pair production. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2018, vol. 41, no. 4, art. no. 157., Registrované v: WOS

16. [1.1] CEA, P. The Higgs Condensate as a Quantum Liquid. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, OCT 2020, vol. 59, no. 10, p. 3310-3323., Registrované v: WOS

17. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS

18. [1.1] DARME, Luc - KOWALSKA, Kamila - ROSZKOWSKI, Leszek - SESSOLO, Enrico Maria. Flavor anomalies and dark matter in SUSY with an extra $U(1)$. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 052., Registrované v: WOS

19. [1.1] DAS, D. Dominant production of heavier Higgs bosons through vector boson fusion in the NMSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 24 2019, vol. 99, no. 9., Registrované v: WOS

20. [1.1] DEMIDOV, S. - GORBUNOV, D. - KRIUKOVA, E. Sgoldstino signature in hh, $W+W^-$ and ZZ spectra at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 20 2020, no. 5., Registrované v: WOS

21. [1.1] D'AGNOLO, R.T. - LOW, M. Disorder and mimesis at hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 28 2019, no. 8., Registrované v: WOS

22. [1.1] FERREIRA, Pedro M. - LIEBLER, Stefan - WITTBRODT, Jonas. $pp \rightarrow A \rightarrow Zh$ and the wrong-sign limit of the two-Higgs-doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055008., Registrované v: WOS

23. [1.1] FERREIRA, P.M. - LAVOURA, L. No strong CP violation up to the one-loop level in a two-Higgs-doublet model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 1 2019, vol. 79, no. 7., Registrované v: WOS

24. [1.1] GHOSH, Dilip Kumar - GHOSH, Nivedita - SAHA, Ipsita - SHAW, Avirup. Revisiting the high-scale validity of the type II seesaw model with novel LHC signature. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115022., Registrované v: WOS
25. [1.1] GRZADKOWSKI, Bohdan - HABER, Howard E. - OGREID, Odd Magne - OSLAND, Per. Heavy Higgs boson decays in the alignment limit of the 2HDM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 056., Registrované v: WOS
26. [1.1] HUITU, K. - KOIVUNEN, N. - LEBEDEV, O. - MONDAL, S. - TOMA, T. Probing pseudo-Goldstone dark matter at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 9 2019, vol. 100, no. 1., Registrované v: WOS
27. [1.1] HUNG, H.T. - HONG, T.T. - PHUONG, H.H. - MAI, H.L.T. - HUE, L.T. Neutral Higgs boson decays $H \rightarrow Z \gamma \gamma$ in 3-3-1 models. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS
28. [1.1] CHOUBEY, Sandhya - KHAN, Sarif - MITRA, Manimala - MONDAL, Subhadeep. Singlet-triplet fermionic dark matter and LHC phenomenology. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 302., Registrované v: WOS
29. [1.1] CHOWDHURY, Debtosh - EBERHARDT, Otto. Update of global Two-Higgs-Doublet model fits. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 161., Registrované v: WOS
30. [1.1] KANEMURA, Shinya - KIKUCHI, Mariko - MAWATARI, Kentarou - SAKURAI, Kodai - YAGYU, Kei. Loop effects on the Higgs decay widths in extended Higgs models. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 140-149., Registrované v: WOS
31. [1.1] KARMAKAR, Siddhartha - RAKSHIT, Subhendu. Alignment limit in 2HDM: robustness put to test. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 142., Registrované v: WOS
32. [1.1] KLING, F. - SU, S.F. - SU, W. 2HDM neutral scalars under the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 26 2020, no. 6., Registrované v: WOS
33. [1.1] LI, T. Heavy Higgs bosons at the LHC upgrade. In CHINESE PHYSICS C. ISSN 1674-1137, SEP 2020, vol. 44, no. 9., Registrované v: WOS
34. [1.1] MAO, Ying-nan. Spontaneous CP-violation in the simplest little Higgs model and its future collider tests: The scalar sector. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075031., Registrované v: WOS
35. [1.1] NO, J.M. - SPANNOVSKY, M. Signs of heavy Higgs bosons at CLIC: an $e(+)e(-)$ road to the electroweak phase transition. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 4 2019, vol. 79, no. 6., Registrované v: WOS
36. [1.1] PAKTINAT, S. - REZAEI, Z. The LHC Drell-Yan measurements as a constraint for the noncommutative space-time. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, OCT 2019, vol. 46, no. 10., Registrované v: WOS
37. [1.1] STEGGEMANN, J. Extended Scalar Sectors. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 197-223., Registrované v: WOS

38. [1.1] WANG, Lei - SHI, Rongle - HAN, Xiao-Fang - ZHU, Bin.
Light scalar dark matter extension of the type-II two-Higgs-doublet model. In
PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035024.,
Registrované v: WOS

ADCA878 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. -
BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef.
Search for heavy resonances decaying to a photon and a hadronically decaying
Z/W/H boson in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In
Physical Review D, 2018, vol. 98, no. 3, art. no. 032015. (2017: 4.394 - IF, Q1 -
JCR, 1.801 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents,
WOS, SCOPUS). ISSN 1550-7998. Dostupné na:
<https://doi.org/10.1103/PhysRevD.98.032015>

Ohlasy:

1. [1.1] LONG, H.N. - HOP, N.V. - HUE, L.T. - THAO, N.H. -
HERNANDEZ, A.E.C. Some phenomenological aspects of the 3-3-1 model with
the Carcamo-Kovalenko-Schmidt mechanism. In PHYSICAL REVIEW D. ISSN
2470-0010, JUL 8 2019, vol. 100, no. 1., Registrované v: WOS
2. [1.1] SONG, J. - YOON, Y.W. W gamma decay of the elusive
charged Higgs boson in the two-Higgs-doublet model with vectorlike fermions.
In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 6 2019, vol. 100, no. 5.,
Registrované v: WOS

ADCA879 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. -
BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for heavy
resonances decaying to a Z boson and a photon in pp collisions at $\sqrt{s}=13$ TeV
with the ATLAS detector. In *Physics Letters B*, 2017, vol. 764, p. 11-30. (2016:
4.807 - IF, Q1 - JCR, 3.032 - SJR, Q1 - SJR, Current Contents - CCC). (2017 -
Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na:
<https://doi.org/10.1016/j.physletb.2016.11.005>

Ohlasy:

1. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. -
MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of
heavy Higgs bosons decaying invisibly at the LHC. In NUCLEAR PHYSICS B.
ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS
2. [1.1] BARMAN, R.K. - BHATTACHERJEE, B. - CHOUDHURY,
A. - CHOWDHURY, D. - LAHIRI, J. - RAY, S. Current status of MSSM Higgs
sector with LHC 13 TeV data. In EUROPEAN PHYSICAL JOURNAL PLUS.
ISSN 2190-5444, APR 2019, vol. 134, no. 4., Registrované v: WOS
3. [1.1] BEVELACQUA, J. J. Description of selected hexaquark states
in terms of a first-order mass formula. In PHYSICS ESSAYS. ISSN 0836-1398,
2018, vol. 31, no. 1, pp. 104-107., Registrované v: WOS
4. [1.1] CAMPBELL, John M. - NEUMANN, Tobias - WILLIAMS,
Ciaran. Z gamma production at NNLO including anomalous couplings. In
JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 11, art.
no. 150., Registrované v: WOS
5. [1.1] DILLON, Barry M. - HAN, Chengcheng - LEE, Hyun Min -
PARK, Myeonghun. KK graviton resonance and cascade decays in warped
gravity. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN
0217-751X, 2017, vol. 32, no. 33, art. no. 1745006., Registrované v: WOS

6. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS
7. [1.1] DREYER, Frederic A. - NECIB, Lina - SOYEZ, Gregory - THALER, Jesse. Recursive Soft Drop. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 093., Registrované v: WOS
8. [1.1] DUTTA, Sukanta - GOYAL, Ashok - SAINI, Lalit Kumar. Spin-0(+/-) portal induced Dark Matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 023., Registrované v: WOS
9. [1.1] LARKOSHI, Andrew J. - MOULT, Ian - NEILL, Duff. Factorization and resummation for groomed multi-prong jet shapes. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 144., Registrované v: WOS
10. [1.1] NIEHOFF, Christoph - STANGL, Peter - STRAUB, David M. Electroweak symmetry breaking and collider signatures in the next-to-minimal composite Higgs model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, pp. 1-50., Registrované v: WOS

ADCA880 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Search for heavy resonances decaying to a W or Z boson and a Higgs boson in the $q(\bar{q})b(\bar{b})$ final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Physics Letters B*, 2017, vol. 774, p. 494-515. (2016: 4.807 - IF, Q1 - JCR, 3.032 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2017.09.066>

Ohlasy:

1. [1.1] AARRESTAD, T. Searching for diboson resonances in the boosted all-hadronic final state at $\sqrt{s}=13$ TeV with CMS. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, OCT 20 2020, vol. 35, no. 32., Registrované v: WOS
2. [1.1] BANDYOPADHYAY, T. - DAS, D. - PASECHNIK, R. - RATHSMAN, J. Complementary bound on the W ' mass from Higgs boson to diphoton decay. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 14 2019, vol. 99, no. 11., Registrované v: WOS
3. [1.1] COLEPPA, Baradhwaj - FUKS, Benjamin - POULOSE, P. - SAHOO, Shibananda. Seeking heavy Higgs bosons through cascade decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075007., Registrované v: WOS
4. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS
5. [1.1] FERREIRA, Pedro M. - LIEBLER, Stefan - WITTBRODT, Jonas. $pp \rightarrow A \rightarrow Zh$ and the wrong-sign limit of the two-Higgs-doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055008., Registrované v: WOS
6. [1.1] KRAUSE, C. - PICH, A. - ROSELL, I. - SANTOS, J. - SANZ-CILLERO, J.J. Colorful imprints of heavy states in the electroweak effective theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 17 2019, no. 5., Registrované v: WOS

7. [1.1] LARKOSHI, Andrew J. - MOULT, Ian - NEILL, Duff. Factorization and resummation for groomed multi-prong jet shapes. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 144., Registrované v: WOS
8. [1.1] LIU, D. - WANG, L.T. - XIE, K.P. Prospects of searching for composite resonances at the LHC and beyond. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 18 2019, no. 1., Registrované v: WOS

ADCA881 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for heavy vector-like quarks coupling to light quarks in proton-proton collisions at root s=7 TeV with the ATLAS detector. In *Physics Letters B*, 2012, vol. 712, no. 1-2, p. 22-39. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2012.03.082>

Ohlasy:

1. [1.1] CACCIAPAGLIA, Giacomo - DEANDREA, Aldo - GAUR, Naveen - HARADA, Daisuke - OKADA, Yasuhiro - PANIZZI, Luca. The LHC potential of vector-like quark doublets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 055., Registrované v: WOS
2. [1.1] CASTILLO, Andres - DELGADO, Rafael L. - DOBADO, Antonio - LLANES-ESTRADA, Felipe J. Top-antitop production from WL+WL- and Z(L)Z(L) scattering under a strongly interacting symmetry-breaking sector. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 7, art. no. 436., Registrované v: WOS
3. [1.1] DAS, Kasinath - LI, Tianjun - NANDI, S. - RAI, Santosh Kumar. New signals for vector-like down-type quark in U(1) of E-6. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 1, art. no. 35., Registrované v: WOS
4. [1.1] DELGADO LOPEZ, Rafael. Study of the Electroweak Symmetry Breaking Sector for the LHC Introduction. In STUDY OF THE ELECTROWEAK SYMMETRY BREAKING SECTOR FOR THE LHC. ISSN 2190-5053, 2017, pp. 1-13., Registrované v: WOS
5. [1.1] DELGADO LOPEZ, Rafael. Chiral EW Lagrangian. In STUDY OF THE ELECTROWEAK SYMMETRY BREAKING SECTOR FOR THE LHC. ISSN 2190-5053, 2017, pp. 15-30., Registrované v: WOS
6. [1.1] DELGADO LOPEZ, Rafael. Study of the Parameter Space for the omega omega Scattering. In STUDY OF THE ELECTROWEAK SYMMETRY BREAKING SECTOR FOR THE LHC. ISSN 2190-5053, 2017, pp. 119-146., Registrované v: WOS
7. [1.1] DELGADO, Rafael L. - DOBADO, Antonio - LLANES-ESTRADA, Felipe J. Strongly interacting WLWL, Z(L)Z(L) and hh from unitarized one-loop computations. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 2436-2438., Registrované v: WOS
8. [1.1] DELGADO, Rafael L. - DOBADO, Antonio - LLANES-ESTRADA, Felipe J. A Strongly Interacting Electroweak Symmetry Breaking Sector with a Higgs-like light scalar. In XITH CONFERENCE ON QUARK CONFINEMENT AND HADRON SPECTRUM. ISSN 0094-243X,

2016, vol. 1701, art. no. 090003., Registrované v: WOS

9. [1.1] DELGADO, Rafael L. - DOBADO, Antonio - ESPADA, Miguel - LLANES-ESTRADA, Felipe J. - LEON MERINO, Ivan. Collider production of electroweak resonances from states. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 010., Registrované v: WOS

10. [1.1] D'AGNOLO, Raffaele Tito - HOOK, Anson. Finding the strong CP problem at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 762, pp. 421-425., Registrované v: WOS

11. [1.1] GOLLING, Tobias. LHC searches for exotic new particles. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 90, pp. 156-200., Registrované v: WOS

12. [1.1] LIU, G.L. - ZENG, Q.G. Muon g-2 anomaly confronted with the higgs global data in the left-right twin Higgs models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 19 2019, vol. 79, no. 7., Registrované v: WOS

ADCA882 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for heavy ZZ resonances in the $l(+)l(-)l(+)l(-)$ and $l(+)l(-)\nu(\nu)\overline{\nu}$ final states using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *European Physical Journal C*, 2018, vol. 78, no. 4, art. no. 293. (2017: 5.172 - IF, Q1 - JCR, 2.022 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-018-5686-3>

Ohlasy:

1. [1.1] ARHRIB, A. - BENBRIK, R. - HAROUIZ, H. - MORETTI, S. - ROUCHAD, A. A Guidebook to Hunting Charged Higgs Bosons at the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, MAR 10 2020, vol. 8., Registrované v: WOS

2. [1.1] BABU, K.S. - JANA, S. - LINDNER, M. Large neutrino magnetic moments in the light of recent experiments. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 7 2020, no. 10., Registrované v: WOS

3. [1.1] BAGNASCHI, E. - BAHL, H. - FUCHS, E. - HAHN, T. - HEINEMEYER, S. - LIEBLER, S. - PATEL, S. - SLAVICH, P. - STEFANIAK, T. - WAGNER, C.E.M. - WEIGLEIN, G. MSSM Higgs boson searches at the LHC: benchmark scenarios for Run 2 and beyond. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 20 2019, vol. 79, no. 7., Registrované v: WOS

4. [1.1] BAHL, H. - LIEBLER, S. - STEFANIAK, T. MSSM Higgs benchmark scenarios for Run 2 and beyond: the low $\tan\beta$ region. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS

5. [1.1] BARDUCCI, Daniele - DE CURTIS, Stefania - REDI, Michele - TESI, Andrea. An almost elementary Higgs: theory and practice. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 017., Registrované v: WOS

6. [1.1] BARDUCCI, D. - MIMASU, K. - NO, J.M. - VERNIERI, C. - ZURITA, J. Enlarging the scope of resonant di-Higgs searches: hunting for

- Higgs-to-Higgs cascades in 4b final states at the LHC and future colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 3 2020, no. 2., Registrované v: WOS
7. [1.1] BARMAN, R.K. - BHATTACHERJEE, B. - CHOUDHURY, A. - CHOWDHURY, D. - LAHIRI, J. - RAY, S. Current status of MSSM Higgs sector with LHC 13 TeV data. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, APR 2019, vol. 134, no. 4., Registrované v: WOS
 8. [1.1] BASLER, P. - DAWSON, S. - ENGLERT, C. - MUHLLEITNER, M. Showcasing HH production: Benchmarks for the LHC and HL-LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 29 2019, vol. 99, no. 5., Registrované v: WOS
 9. [1.1] BAUM, Sebastian - SHAH, Nausheen R. Two Higgs doublets and a complex singlet: disentangling the decay topologies and associated phenomenology. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 044., Registrované v: WOS
 10. [1.1] BAUM, S. - SHAH, N.R. - FREESE, K. The NMSSM is within reach of the LHC: mass correlations & decay signatures. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 1 2019, no. 4., Registrované v: WOS
 11. [1.1] BIEKOTTER, T. - CHAKRABORTI, M. - HEINEMEYER, S. A 96 GeV Higgs boson in the N2HDM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 3 2020, vol. 80, no. 1., Registrované v: WOS
 12. [1.1] CADAMURO, L. Higgs boson properties and decays, searches for high mass Higgs bosons, and Higgs boson pair production. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2018, vol. 41, no. 4, art. no. 157., Registrované v: WOS
 13. [1.1] CEA, P. Evidence of the true Higgs boson H-T at the LHC Run 2. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, JUN 14 2019, vol. 34, no. 18., Registrované v: WOS
 14. [1.1] CONSOLI, M. - COSMAI, L. Spontaneous Symmetry Breaking and Its Pattern of Scales. In SYMMETRY-BASEL. DEC 2020, vol. 12, no. 12., Registrované v: WOS
 15. [1.1] CONSOLI, M. - COSMAI, L. The mass scales of the Higgs field. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, JUL 20 2020, vol. 35, no. 20., Registrované v: WOS
 16. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
 17. [1.1] DAS, D. Dominant production of heavier Higgs bosons through vector boson fusion in the NMSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 24 2019, vol. 99, no. 9., Registrované v: WOS
 18. [1.1] DEPPISCH, F.F. - KULKARNI, S. - LIU, W. Searching for a light Z' through Higgs production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 11 2019, vol. 100, no. 11., Registrované v: WOS
 19. [1.1] D'AGNOLO, R.T. - LOW, M. Disorder and mimesis at hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 28 2019, no. 8., Registrované v: WOS
 20. [1.1] GLAUS, S. - MUHLLEITNER, M. - MULLER, J. - PATEL, S. - SANTOS, R. Electroweak corrections to dark matter direct detection in a vector dark matter model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN

1029-8479, OCT 11 2019, no. 10., Registrované v: WOS

21. [1.1] GORI, S. - LIU, Z. - SHAKYA, B. Heavy Higgs as a portal to the supersymmetric electroweak sector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 5 2019, no. 4., Registrované v: WOS

22. [1.1] GOULD, O. - KOZACZUK, J. - NIEMI, L. - RAMSEY-MUSOLF, M.J. - TENKANEN, T.V.I. - WEIR, D.J. Nonperturbative analysis of the gravitational waves from a first-order electroweak phase transition. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 12 2019, vol. 100, no. 11., Registrované v: WOS

23. [1.1] GRZADKOWSKI, Bohdan - HABER, Howard E. - OGREID, Odd Magne - OSLAND, Per. Heavy Higgs boson decays in the alignment limit of the 2HDM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 056., Registrované v: WOS

24. [1.1] HUITU, K. - KOIVUNEN, N. - LEBEDEV, O. - MONDAL, S. - TOMA, T. Probing pseudo-Goldstone dark matter at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 9 2019, vol. 100, no. 1., Registrované v: WOS

25. [1.1] CHOWDHURY, Debtosh - EBERHARDT, Otto. Update of global Two-Higgs-Doublet model fits. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 161., Registrované v: WOS

26. [1.1] JENNICHES, Laura - STURM, Christian - UCCIRATI, Sandro. Electroweak corrections in the 2HDM for neutral scalar Higgs-boson production through gluon fusion. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 017., Registrované v: WOS

27. [1.1] KALLWEIT, Stefan - WIESEMANN, Marius. ZZ production at the LHC: NNLO predictions for 2l2v and 4l signatures. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 786, pp. 382-389., Registrované v: WOS

28. [1.1] KANEMURA, Shinya - KIKUCHI, Mariko - MAWATARI, Kentarou - SAKURAI, Kodai - YAGYU, Kei. Loop effects on the Higgs decay widths in extended Higgs models. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 140-149., Registrované v: WOS

29. [1.1] KARMAKAR, Siddhartha - RAKSHIT, Subhendu. Alignment limit in 2HDM: robustness put to test. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 142., Registrované v: WOS

30. [1.1] KIM, J.H. - LANE, S.D. - LEE, H.S. - LEWIS, I.M. - SULLIVAN, M. Searching for dark photons with maverick top partners. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 28 2020, vol. 101, no. 3., Registrované v: WOS

31. [1.1] KIM, Yeong Gyun - PARK, Chan Beom - SHIN, Seodong. Collider probes of singlet fermionic dark matter scenarios for the Fermi gamma-ray excess. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 036., Registrované v: WOS

32. [1.1] KIM, Y.G. - LEE, K.Y. - NAM, S.H. Conformal invariance and singlet fermionic dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 31 2019, vol. 100, no. 7., Registrované v: WOS

33. [1.1] KLING, F. - SU, S.F. - SU, W. 2HDM neutral scalars under the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 26 2020, no. 6., Registrované v: WOS

34. [1.1] LEE, S.J. - PARK, M. - QIAN, Z. Probing unitarity violation in the tail of the off-shell Higgs boson in VLV mode. In PHYSICAL REVIEW D.

- ISSN 2470-0010, JUL 16 2019, vol. 100, no. 1., Registrované v: WOS
35. [1.1] LI, T. Heavy Higgs bosons at the LHC upgrade. In CHINESE PHYSICS C. ISSN 1674-1137, SEP 2020, vol. 44, no. 9., Registrované v: WOS
36. [1.1] NO, J.M. - SPANNOVSKY, M. Signs of heavy Higgs bosons at CLIC: an $e(+)e(-)$ road to the electroweak phase transition. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 4 2019, vol. 79, no. 6., Registrované v: WOS
37. [1.1] STEGGEMANN, J. Extended Scalar Sectors. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 197-223., Registrované v: WOS
38. [1.1] WANG, Lei - SHI, Rongle - HAN, Xiao-Fang - ZHU, Bin. Light scalar dark matter extension of the type-II two-Higgs-doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035024., Registrované v: WOS

ADCA883 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for Higgs and Z Boson Decays to J/ψ gamma and Upsilon(nS)gamma with the ATLAS Detector. In *Physical Review Letters*, 2015, vol. 114, no. 12, art. no. 121801. (2014: 7.512 - IF, Q1 - JCR, 5.232 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.114.121801>

Ohlasy:

1. [1.1] BISHARA, Fady - HAISCH, Ulrich - MONNI, Pier Francesco - RE, Emanuele. Constraining Light-Quark Yukawa Couplings from Higgs Distributions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 118, no. 12, art. no. 121801., Registrované v: WOS
2. [1.1] DA COSTA, E.M. Rare H and Z decays to quarkonia with CMS. In XIII INTERNATIONAL CONFERENCE ON BEAUTY, CHARM AND HYPERON HADRONS (BEACH 2018). ISSN 1742-6588, 2019, vol. 1137., Registrované v: WOS
3. [1.1] GHOSH, Diptimoy - GUPTA, Rick Sandeepan - PEREZ, Gilad. Is the Higgs mechanism of fermion mass generation a fact? A Yukawa-less first-two-generation model. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 755, pp. 504-508., Registrované v: WOS
4. [1.1] JIANG, Jun - QIAO, Cong-Feng. B-c production in Higgs boson decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 054031., Registrované v: WOS
5. [1.1] LANSBERG, JeanPhilippe - PISANO, Cristian - SCHLEGEL, Marc. Associated production of a dilepton and a Upsilon (J/ψ) at the LHC as a probe of gluon transverse momentum dependent distributions. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 920, pp. 192-210., Registrované v: WOS
6. [1.1] LANSBERG, Jean-Philippe - SHAO, Hua-Sheng. J/ψ plus Z production at the LHC. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 06013., Registrované v: WOS
7. [1.1] LANSBERG, J.P. New observables in inclusive production of quarkonia. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, DEC 20 2020, vol. 889, p. 1-106., Registrované v:

WOS

8. [1.1] LENZ, Alexander - SPANNOWSKY, Michael - TETLALMATZI-XOLOCOTZI, Gilberto. Double-charming Higgs boson identification using machine-learning assisted jet shapes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 016001., Registrované v: WOS
9. [1.1] LIAO, Q.L. - JIANG, J. Excited heavy quarkonium production in Higgs boson decays. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 10 2019, vol. 100, no. 5., Registrované v: WOS
10. [1.1] MODAK, Tanmoy - SRIVASTAVA, Rahul. Probing anomalous Higgs couplings in $H \rightarrow ZV$ decays. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2017, vol. 32, no. 3, art. no. 1750004., Registrované v: WOS
11. [1.1] PEREZ, Gilad - SOREQ, Yotam - STAMOU, Emmanuel - TOBIOKA, Kohsaku. Constraining the charm Yukawa and Higgs-quark coupling universality. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 033016-, Registrované v: WOS
12. [1.1] PEREZ, Gilad - SOREQ, Yotam - STAMOU, Emmanuel - TOBIOKA, Kohsaku. Prospects for measuring the Higgs boson coupling to light quarks. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 013001., Registrované v: WOS
13. [1.1] PFISTER, Katherine - SHOOK, David R. - CHANG, Chenbei - KELLER, Ray - SKOGLUND, Paul. Molecular model for force production and transmission during vertebrate gastrulation. In DEVELOPMENT. ISSN 0950-1991, 2016, vol. 143, no. 4, pp. 715-727., Registrované v: WOS

ADCA884 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for Higgs boson decays into a pair of light bosons in the $b\bar{b} \mu\mu$ final state in pp collision at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Physics Letters B*, 2019, vol. 790, p. 1-21. (2018: 4.162 - IF, Q2 - JCR, 1.806 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.10.073>

Ohlasy:

1. [1.1] BARMAN, R.K. - BHATTACHERJEE, B. - CHATTERJEE, A. - CHOUDHURY, A. - GUPTA, A. Scope of self-interacting thermal WIMPs in a minimal $U(1)(D)$ extension and its future prospects. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 28 2019, no. 5., Registrované v: WOS
2. [1.1] BOIARSKA, I. - BONDARENKO, K. - BOYARSKY, A. - OVCHYNNIKOV, M. - RUCHAYSKIY, O. - SOKOLENKO, A. Light scalar production from Higgs bosons and FASER 2. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 11 2020, no. 5., Registrované v: WOS
3. [1.1] CESAROTTI, C. - SOREQ, Y. - STRASSLER, M.J. - THALER, J. - XUE, W. Searching in CMS open data for dimuon resonances with substantial transverse momentum. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 16 2019, vol. 100, no. 1., Registrované v: WOS
4. [1.1] FRANZOSI, D.B. - FERRETTI, G. - HUANG, L. - SHU, J. Pseudoscalar pair production via off-shell Higgs in composite Higgs models. In SCIPOST PHYSICS. ISSN 2542-4653, NOV 2020, vol. 9, no. 5., Registrované

v: WOS

5. [1.1] GAO, C. - LUTY, M.A. - NEILL, N.A. Almost inert Higgs bosons at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 6 2019, no. 9., Registrované v: WOS
6. [1.1] GAO, C. - NEILL, N.A. Probing exotic triple Higgs couplings at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 19 2020, no. 5., Registrované v: WOS
7. [1.1] KLING, F. - SU, S.F. - SU, W. 2HDM neutral scalars under the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 26 2020, no. 6., Registrované v: WOS
8. [1.1] KOZACZUK, J. - RAMSEY-MUSOLF, M.J. - SHELTON, J. Exotic Higgs boson decays and the electroweak phase transition. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 25 2020, vol. 101, no. 11., Registrované v: WOS
9. [1.1] ROBENS, T. - STEFANIAK, T. - WITTBRODT, J. Two-real-scalar-singlet extension of the SM: LHC phenomenology and benchmark scenarios. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 19 2020, vol. 80, no. 2., Registrované v: WOS
10. [1.1] STEGGEMANN, J. Extended Scalar Sectors. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 197-223., Registrované v: WOS

ADCA885 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for Higgs boson decays into pairs of light (pseudo)scalar particles in the gamma gamma jj final state in pp collisions at root s=13 TeV with the ATLAS detector. In *Physics Letters B*, 2018, vol. 782, p. 750-767. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.06.011>

Ohlasy:

1. [1.1] DAWSON, S. - ENGLERT, C. - PLEHN, T. Higgs physics: It ain't over till it is over. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, JUL 3 2019, vol. 816, p. 1-85., Registrované v: WOS
2. [1.1] FRANZOSI, D.B. - FERRETTI, G. - HUANG, L. - SHU, J. Pseudoscalar pair production via off-shell Higgs in composite Higgs models. In SCIPOST PHYSICS. ISSN 2542-4653, NOV 2020, vol. 9, no. 5., Registrované v: WOS
3. [1.1] FRUGIUELE, Claudia - FUCHS, Elina - PEREZ, Gilad - SCHLAFFER, Matthias. Relaxion and light (pseudo)scalars at the HL-LHC and lepton colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 151., Registrované v: WOS
4. [1.1] ROBENS, T. - STEFANIAK, T. - WITTBRODT, J. Two-real-scalar-singlet extension of the SM: LHC phenomenology and benchmark scenarios. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 19 2020, vol. 80, no. 2., Registrované v: WOS
5. [1.1] STEGGEMANN, J. Extended Scalar Sectors. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 197-223., Registrované v: WOS

ADCA886 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol.

Search for Higgs boson decays to a photon and a Z boson in pp collisions at root s=7 and 8 TeV with the ATLAS detector. In *Physics Letters B*, 2014, vol. 732, p. 8-27. (2013: 6.019 - IF, Q1 - JCR, 3.707 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2014.03.015>

Ohlasy:

1. [1.1] ABDALLAH, W. - KHALIL, S. - MORETTI, S. Double Higgs peak in the minimal SUSY B L model. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 014001., Registrované v: WOS
2. [1.1] ABDUSSALAM, S. - CABRERA, M.E. Revealing mass-degenerate states in Higgs boson signals. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, DEC 2019, vol. 79, no. 12., Registrované v: WOS
3. [1.1] ABDUSSALAM, S.S. Testing Higgs boson scenarios in the phenomenological NMSSM. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, MAY 25 2019, vol. 79, no. 5., Registrované v: WOS
4. [1.1] ALTE, Stefan - KOENING, Matthias - NEUBERT, Matthias. Exclusive weak radiative Higgs decays in the standard model and beyond. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2016, no. 12, art. no. 037., Registrované v: WOS
5. [1.1] BABU, K.S. - JANA, S. Enhanced di-Higgs production in the two Higgs doublet model. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, FEB 28 2019, no. 2., Registrované v: WOS
6. [1.1] BAUER, Martin - NEUBERT, Matthias - THAMM, Andrea. Collider probes of axion-like particles. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2017, no. 12, art. no. 044., Registrované v: WOS
7. [1.1] BAUER, Martin - NEUBERT, Matthias - THAMM, Andrea. LHC as an Axion Factory: Probing an Axion Explanation for (g-2)(mu) with Exotic Higgs Decays. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2017, vol. 119, no. 3, art. no. 031802., Registrované v: WOS
8. [1.1] BONCIANI, Roberto - DEL DUCA, Vittorio - FRELLESVIG, Hjalte - HENN, Johannes M. - MORIELLO, Francesco - SMIRNOV, Vladimir A. Next-to-leading order QCD corrections to the decay width $H \rightarrow Z \gamma$. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2015, no. 8, art. no. 108., Registrované v: WOS
9. [1.1] CAMPBELL, John M. - NEUMANN, Tobias - WILLIAMS, Ciaran. Z gamma production at NNLO including anomalous couplings. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2017, no. 11, art. no. 150., Registrované v: WOS
10. [1.1] DAVID, Andre - HEIKKILA, Jaana - PETRUCCIANI, Giovanni. Searching for degenerate Higgs bosons. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2015, vol. 75, no. 2, art. no. 49., Registrované v: WOS
11. [1.1] DEDES, A. - SUXHO, K. - TRIFYLLIS, L. The decay $h \rightarrow Z$ in the Standard-Model Effective Field Theory. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, JUN 24 2019, no. 6., Registrované v: WOS
12. [1.1] DEL DEBBIO, Luigi - ENGLERT, Christoph - ZWICKY, Roman. A UV complete compositeness scenario: LHC constraints meet the

- lattice. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 142., Registrované v: WOS
13. [1.1] DORSNER, Ilja - FAJFER, Svjetlana - GRELJO, Admir - KAMENIK, Jernej F. - KOSNIK, Nejc - NISANDZIC, Ivan. New physics models facing lepton flavor violating Higgs decays at the percent level. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 108., Registrované v: WOS
14. [1.1] DORSNER, I. - FAJFER, S. - GRELJO, A. - KAMENIK, J. F. - KOSNIK, N. Physics of of leptoquarks in precision experiments and at particle colliders. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2016, vol. 641, pp. 1-68., Registrované v: WOS
15. [1.1] DUMONT, Beranger. At Least a Higgs Boson. In HIGGS, SUPERSYMMETRY AND DARK MATTER AFTER RUN I OF THE LHC. ISSN 2190-5053, 2017, pp. 29-151., Registrované v: WOS
16. [1.1] DUPUIS, Grace. Collider constraints and prospects of a scalar singlet extension to Higgs portal dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art. no. 008., Registrované v: WOS
17. [1.1] DWIVEDI, Siddharth - GHOSH, Dilip Kumar - MUKHOPADHYAYA, Biswarup - SHIVAJI, Ambresh. Constraints on CP-violating gauge-Higgs operators. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095015., Registrované v: WOS
18. [1.1] FORTES, E. C. F. S. - MACHADO, A. C. B. - MONTANO, J. - PLEITEZ, V. Prediction of $h \rightarrow \gamma Z$ from $h \rightarrow \gamma \gamma$ at the LHC for the IMDS3 model. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 11, art. no. 115001., Registrované v: WOS
19. [1.1] GEHRMANN, T. - GUNS, S. - KARA, D. The rare decay $H \rightarrow Z \gamma$ in perturbative QCD. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art. no. 038., Registrované v: WOS
20. [1.1] GREINER, Nicolas - HOECHE, Stefan - LUISONI, Gionata - SCHOENHERR, Merck - WINER, Jan-Christopher - YUNDIN, Valery. Phenomenological analysis of Higgs boson production through gluon fusion in association with jets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 1, art. no. 169., Registrované v: WOS
21. [1.1] HAMMAD, A. - KHALIL, S. - MORETTI, S. Higgs boson decays into $\gamma \gamma$ and $Z \gamma$ in the MSSM and the B-L supersymmetric SM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 095008., Registrované v: WOS
22. [1.1] HAMMAD, A. - KHALIL, S. - MORETTI, S. LHC signals of a B L supersymmetric standard model CP-even Higgs boson. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115035., Registrované v: WOS
23. [1.1] CHANG, We-Fu - LIOU, Siao-Cing - WONG, Chi-Fong - XU, Fanrong. Charged lepton flavor violating processes and scalar leptoquark decay branching ratios in the colored Zee-Babu model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 10, art. no. 106., Registrované v: WOS
24. [1.1] CHECCHIA, Paolo. Implications of a 125 GeV Higgs boson. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 7, art. no. 1530003., Registrované v: WOS

25. [1.1] JANA, Sudip - NANDI, S. New physics scale from Higgs observables with effective dimension-6 operators. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 51-58., Registrované v: WOS
26. [1.1] KOENIG, Matthias. Very rare, exclusive, hadronic decays in QCD factorization. In QCD@WORK 2016 INTERNATIONAL WORKSHOP ON QUANTUM CHROMODYNAMICS THEORY AND EXPERIMENT. ISSN 2100-014X, 2016, vol. 129, art. no. UNSP 00014., Registrované v: WOS
27. [1.1] MONFARED, S. Taheri - FAYAZBAKHS, Sh. - NAJAFABADI, M. Mohammadi. Exploring anomalous HZ gamma couplings in gamma-proton collisions at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 762, pp. 301-308., Registrované v: WOS
28. [1.1] NO, Jose Miguel - SPANNOWSKY, Michael. Boost to $h \rightarrow Z$ gamma: From LHC to future $e(+)e(-)$ colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075027., Registrované v: WOS
29. [1.1] PUTZ, Mihai V. - ORI, Ottorino. Predicting Bondons by Goldstone Mechanism with Chemical Topological Indices. In INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY. ISSN 0020-7608, 2015, vol. 115, no. 3, pp. 137-143., Registrované v: WOS

ADCA887 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for Higgs boson decays to beyond-the-Standard-Model light bosons in four-lepton events with the ATLAS detector at $\sqrt{s}=13$ TeV. In *Journal of High Energy Physics*, 2018, no. 6, art. no. 166. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP06\(2018\)166](https://doi.org/10.1007/JHEP06(2018)166)

Ohlasy:

1. [1.1] BARMAN, R.K. - BHATTACHERJEE, B. - CHATTERJEE, A. - CHOUDHURY, A. - GUPTA, A. Scope of self-interacting thermal WIMPs in a minimal $U(1)(D)$ extension and its future prospects. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 28 2019, no. 5., Registrované v: WOS
2. [1.1] DEPPISCH, F.F. - KULKARNI, S. - LIU, W. Searching for a light Z' through Higgs production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 11 2019, vol. 100, no. 11., Registrované v: WOS
3. [1.1] DROR, J.A. - LASENBY, R. - POSPELOV, M. Light vectors coupled to bosonic currents. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 12 2019, vol. 99, no. 5., Registrované v: WOS
4. [1.1] EVANS, J.A. - TANEDO, P. - ZAKERI, M. Exotic lepton-flavor violating Higgs decays. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 7 2020, no. 1., Registrované v: WOS
5. [1.1] HOU, G.W.S. Perspectives and outlook from HEP window on the universe. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, JAN 20 2019, vol. 34, no. 2., Registrované v: WOS
6. [1.1] IZAGUIRRE, Eder - STOLARSKI, Daniel. Searching for Higgs Decays to as Many as 8 Leptons. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 22, art. no. 221803., Registrované v: WOS
7. [1.1] KIM, J.H. - LANE, S.D. - LEE, H.S. - LEWIS, I.M. - SULLIVAN, M. Searching for dark photons with maverick top partners. In

PHYSICAL REVIEW D. ISSN 2470-0010, FEB 28 2020, vol. 101, no. 3.,
Registrované v: WOS

8. [1.1] KLING, F. - SU, S.F. - SU, W. 2HDM neutral scalars under the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 26 2020, no. 6., Registrované v: WOS

9. [1.1] MATSUMOTO, S. - TSAI, Y.L.S. - TSENG, P.Y. Light fermionic WIMP dark matter with light scalar mediator. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 10 2019, no. 7., Registrované v: WOS

10. [1.1] STEGGEMANN, J. Extended Scalar Sectors. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 197-223., Registrované v: WOS

ADCA888 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for Higgs boson pair production in the $b(b)\text{over-bar}b(b)\text{over-bar}$ final state from pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *European Physical Journal C*, 2015, vol. 75, no. 9, art. no. 412. (2014: 5.084 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-015-3628-x>

Ohlasy:

1. [1.1] ABE, Tomohiro - KITAHARA, Teppei - NOJIRI, Mihoko M. Prospects for spin-1 resonance search at 13 TeV LHC and the ATLAS diboson excess. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 2, art. no. 084., Registrované v: WOS

2. [1.1] ADHIKARY, A. - BARMAN, R.K. - BHATTACHERJEE, B. Prospects of non-resonant di-Higgs searches and Higgs boson self-coupling measurement at the HE-LHC using machine learning techniques. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 28 2020, no. 12., Registrované v: WOS

3. [1.1] AMBROGI, Federico - KRAML, Sabine - KULKARNI, Suchita - LAA, Ursula - LESSA, Andre - WALTENBERGER, Wolfgang. On the coverage of the pMSSM by simplified model results. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 215., Registrované v: WOS

4. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. - MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of heavy Higgs bosons decaying invisibly at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS

5. [1.1] ARINA, Chiara. Impact of Cosmological and Astrophysical Constraints on Dark Matter Simplified Models. In FRONTIERS IN ASTRONOMY AND SPACE SCIENCES. ISSN 2296-987X, 2018, vol. 5, art. no. 30., Registrované v: WOS

6. [1.1] BACKOVIC, Mihailo - KULKARNI, Suchita - MARIOTTI, Alberto - SESSOLA, Enrico Maria - SPANNOVSKY, Michael. Cornering diphoton resonance models at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 8, art. no. 018., Registrované v: WOS

7. [1.1] BAGLIO, Julien - JAEGER, Barbara - KESENHEIMER, Matthias. Precise predictions for electroweakino-pair production in association

- with a jet at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 055., Registrované v: WOS
8. [1.1] BARDUCCI, D. - BELANGER, G. - BERNON, J. - BOUDJEMA, F. - DA SILVA, J. - KRAML, S. - LAA, U. - PUKHOV, A. Collider limits on new physics within micrOMEGAs_4.3. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 222, pp. 327-338., Registrované v: WOS
9. [1.1] BARDUCCI, D. - MIMASU, K. - NO, J.M. - VERNIERI, C. - ZURITA, J. Enlarging the scope of resonant di-Higgs searches: hunting for Higgs-to-Higgs cascades in 4b final states at the LHC and future colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 3 2020, no. 2., Registrované v: WOS
10. [1.1] BARMAN, Rahool Kumar - BHATTACHERJEE, Biplob - CHAKRABORTY, Amit - CHOUDHURY, Arghya. Study of MSSM heavy Higgs bosons decaying into charginos and neutralinos. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075013., Registrované v: WOS
11. [1.1] BAUM, Sebastian - FREESE, Katherine - SHAH, Nausheen R. - SHAKYA, Bibhushan. NMSSM Higgs boson search strategies at the LHC and the mono-Higgs signature in particular. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115036., Registrované v: WOS
12. [1.1] BAUM, S. - SHAH, N.R. - FREESE, K. The NMSSM is within reach of the LHC: mass correlations & decay signatures. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 1 2019, no. 4., Registrované v: WOS
13. [1.1] BELWAL, Swasti - DREES, Manuel - KIM, Jong Soo. Analysis of the bounds on dark matter models from monojet searches at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 055017., Registrované v: WOS
14. [1.1] BELYAEV, Alexander - CACCIAPAGLIA, Giacomo - CAI, Haiying - FERRETTI, Gabriele - FLACKE, Thomas - PAROLINI, Alberto - SERODIO, Hugo. Di-boson signatures as standard candles for partial compositeness. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 1, art. no. 094., Registrované v: WOS
15. [1.1] BELYAEV, Alexander - CACCIAPAGLIA, Giacomo - IVANOV, Igor P. - ROJAS-ABATTE, Felipe - THOMAS, Marc. Anatomy of the inert two-Higgs-doublet model in the light of the LHC and non-LHC dark matter searches. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 035011., Registrované v: WOS
16. [1.1] BERLIN, Asher - BLINOV, Nikita. Thermal Dark Matter Below a MeV. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 2, art. no. 021801., Registrované v: WOS
17. [1.1] BEURIA, Jyotiranjana - DATA, Asesh Krishna - DEBNATH, Dipsikha - MATCHEV, Konstantin T. LHC collider phenomenology of minimal universal extra dimensions. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 226, pp. 187-205., Registrované v: WOS
18. [1.1] BISHARA, Fady - CONTINO, Roberto - ROJO, Juan. Higgs pair production in vector-boson fusion at the LHC and beyond. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 7, art. no. 481., Registrované v: WOS
19. [1.1] BUSCHMANN, Malte - YU, Felix. Angular observables for

spin discrimination in boosted diboson final states. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 9, art. no. 036., Registrované v: WOS

20. [1.1] CAO, Junjie - HAN, Chengcheng - SHANG, Liangliang - SU, Wei - YANG, Jin Min - ZHANG, Yang. Interpreting the 750 GeV diphoton excess by the singlet extension of the Manohar-Wise model. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 755, pp. 456-463., Registrované v: WOS

21. [1.1] CASAS, J. A. - ESPINOSA, J. R. - MORENO, J. M. The 750 GeV diphoton excess as a first light on supersymmetry breaking. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 759, pp. 159-165., Registrované v: WOS

22. [1.1] DAWSON, S. - LEWIS, I. M. NLO corrections to double Higgs boson production in the Higgs singlet model. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 094023., Registrované v: WOS

23. [1.1] DEGRASSI, Giuseppe - GIARDINO, Pier Paolo - GROBER, Ramona. On the two-loop virtual QCD corrections to Higgs boson pair production in the standard model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 7, art. no. 411., Registrované v: WOS

24. [1.1] DING, Ran - HAN, Zhi-Long - LIAO, Yi - MA, Xiao-Dong. Interpretation of 750 GeV diphoton excess at LHC in singlet extension of color-octet neutrino mass model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, art. no. 204., Registrované v: WOS

25. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS

26. [1.1] DREYER, Frederic A. - KARLBERG, Alexander. Vector-boson fusion Higgs pair production at (NLO)-L-3. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 114016., Registrované v: WOS

27. [1.1] DREYER, F.A. - KARLBERG, A. - LANG, J.N. - PELLEN, M. Precise predictions for double-Higgs production via vector-boson fusion. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 9 2020, vol. 80, no. 11., Registrované v: WOS

28. [1.1] ELLIS, John - FOWLIE, Andrew - MARZOLA, Luca - RAIDAL, Martti. Statistical analyses of Higgs- and Z-portal dark matter models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115014., Registrované v: WOS

29. [1.1] HAMMAD, A. - KHALIL, S. - MORETTI, S. LHC signals of a B L supersymmetric standard model CP-even Higgs boson. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115035., Registrované v: WOS

30. [1.1] HAN, Chengcheng - KIM, Doojin - KIM, Minho - KONG, Kyoungchul - LIM, Sung Hak - PARK, Myeonghun. Identifying a new particle with jet substructures. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 1, art. no. 027., Registrované v: WOS

31. [1.1] CHAUHAN, Bhavesh - KINDRA, Bharti - NARANG, Ashish. Discrepancies in simultaneous explanation of flavor anomalies and IceCube PeV events using leptiquarks. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095007., Registrované v: WOS

32. [1.1] JENNICHES, Laura - STURM, Christian - UCCIRATI, Sandro.

- Electroweak corrections in the 2HDM for neutral scalar Higgs-boson production through gluon fusion. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 017., Registrované v: WOS
33. [1.1] KANG, Zhaofeng - KO, P. - LI, Jinmian. New Physics Opportunities in the Boosted Di-Higgs-Boson Plus Missing Transverse Energy Signature. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 13, art. no. 131801., Registrované v: WOS
34. [1.1] KAWAMURA, Junichiro - OMURA, Yuji. Diphoton excess at 750 GeV and LHC constraints in models with vectorlike particles. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115011., Registrované v: WOS
35. [1.1] KO, Pyungwon. Particle, Astroparticle Physics and Cosmology in Dark Matter Models with Dark Gauge Symmetries. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2018, vol. 73, no. 4, pp. 449-465., Registrované v: WOS
36. [1.1] LAPSIEN, T. - KOGLER, R. - HALLER, J. A new tagger for hadronically decaying heavy particles at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 11, art. no. 600., Registrované v: WOS
37. [1.1] LOW, Matthew - TESI, Andrea - WANG, Lian-Tao. A pseudoscalar decaying to photon pairs in the early LHC Run 2 data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 108., Registrované v: WOS
38. [1.1] MANDAL, Rusa. Fermionic dark matter in leptoquark portal. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 726., Registrované v: WOS
39. [1.1] MANDAL, Tanumoy. Exclusion Limits on a Scalar Decaying to Photons and Distinguishing Its Production Mechanisms. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2018, art. no. 9150617., Registrované v: WOS
40. [1.1] MAST, N. - KENNEDY, A. - CHAGANI, H. - CODOLUTO, D. - FRITTS, M. - HARRIS, R. - JASTRAM, A. - MAHAPATRA, R. - MANDIC, V. - MIRABOLFATHI, N. - PLATT, M. - STRANDBERG, D. Performance of the first 150 mm diameter Cryogenic silicon ionization detectors with contact-free electrodes. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2018, vol. 904, pp. 15-22., Registrované v: WOS
41. [1.1] MERLO, L. - POBBE, F. - RIGOLIN, S. The minimal axion minimal linear sigma model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 5, art. no. 415., Registrované v: WOS
42. [1.1] PAPAEFSTATHIOU, A. - TETLALMATZI-XOLOCOTZI, G. - ZARO, M. Triple Higgs boson production to six b-jets at a 100 TeV proton collider. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
43. [1.1] RAMIREZ-SANCHEZ, F. - GUTIERREZ-RODRIGUEZ, A. - HERNANDEZ-RUIZ, M. A. Higgs bosons production and decay at future $e(+)e(-)$ linear colliders as a probe of the B-L model. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 9, art. no. 095003., Registrované v: WOS

44. [1.1] ROSZKOWSKI, Leszek - SESSOLO, Enrico Maria - TROJANOWSKI, Sebastian. WIMP dark matter candidates and searches-current status and future prospects. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2018, vol. 81, no. 6, art. no. 066201., Registrované v: WOS
45. [1.1] SUI, Yicong - ZHANG, Yongchao. Prospects of type-II seesaw models at future colliders in light of the DAMPE $e(+)e(-)$ excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095002., Registrované v: WOS
46. [1.1] XIANG, Qian-Fei - BI, Xiao-Jun - YIN, Peng-Fei - YU, Zhao-Huan. Exploring fermionic dark matter via Higgs boson precision measurements at the Circular Electron Positron Collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055004., Registrované v: WOS
47. [1.1] YOON, Yeo Woong - CHEUNG, Kingman - KANG, Sin Kyu - SONG, Jeonghyeon. Radiative decays of a singlet scalar boson through vectorlike quarks. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 055041., Registrované v: WOS

ADCA889 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for Higgs boson pair production in the $\gamma\gamma b(b)\overline{b}$ final state with 13TeV pp collision data collected by the ATLAS experiment. In *Journal of High Energy Physics*, 2018, no. 11, art. no. 040. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP11\(2018\)040](https://doi.org/10.1007/JHEP11(2018)040)

Ohlasy:

1. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
2. [1.1] DREYER, Frederic A. - KARLBERG, Alexander. Vector-boson fusion Higgs pair production at (NLO)-L-3. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 114016., Registrované v: WOS
3. [1.1] DREYER, F.A. - KARLBERG, A. Fully differential vector-boson fusion Higgs pair production at next-to-next-to-leading order. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 29 2019, vol. 99, no. 7., Registrované v: WOS
4. [1.1] HOU, W.S. - KOHDA, M. - MODAK, T. Top-assisted di-Higgs boson production motivated by baryogenesis. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 29 2019, vol. 99, no. 5., Registrované v: WOS
5. [1.1] HUITU, K. - KOIVUNEN, N. - LEBEDEV, O. - MONDAL, S. - TOMA, T. Probing pseudo-Goldstone dark matter at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 9 2019, vol. 100, no. 1., Registrované v: WOS
6. [1.1] LI, T. Heavy Higgs bosons at the LHC upgrade. In CHINESE PHYSICS C. ISSN 1674-1137, SEP 2020, vol. 44, no. 9., Registrované v: WOS
7. [1.1] ROBENS, T. - STEFANIAK, T. - WITTBRODT, J. Two-real-scalar-singlet extension of the SM: LHC phenomenology and benchmark scenarios. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 19 2020, vol. 80, no. 2., Registrované v: WOS

8. [1.1] SANCHEZ-VELEZ, R. - TAVARES-VELASCO, G. Decay $\phi \rightarrow Z \gamma \gamma$ ($\phi = h, H, A$) in the minimal supersymmetric standard model. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 19 2019, vol. 99, no. 5., Registrované v: WOS
9. [1.1] SENAHA, E. Radiative corrections to triple Higgs coupling and electroweak phase transition: Beyond one-loop analysis. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 24 2019, vol. 100, no. 5., Registrované v: WOS
10. [1.1] STEGGEMANN, J. Extended Scalar Sectors. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 197-223., Registrované v: WOS

ADCA890 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for Higgs Boson Pair Production in the $\gamma \gamma b(b)\text{-over-bar}$ Final State Using pp Collision Data at $\sqrt{s}=8$ TeV from the ATLAS Detector. In *Physical Review Letters*, 2015, vol. 114, no. 8, art. no. 081802. (2014: 7.512 - IF, Q1 - JCR, 5.232 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.114.081802>

Ohlasy:

1. [1.1] ALVES, Alexandre - CAMARGO, Daniel A. - DIAS, Alex G. Heavy Higgs boson coupled to vectorlike quarks: Strong CP problem and search prospects at the 14 TeV LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015027., Registrované v: WOS
2. [1.1] ALVES, Alexandre - GHOSH, Tathagata - SINHA, Kuver. Can we discover double Higgs production at the LHC? In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035022., Registrované v: WOS
3. [1.1] ALVES, A. - GHOSH, T. - QUEIROZ, F.S. Dark and bright signatures of di-Higgs boson production. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 26 2019, vol. 100, no. 3., Registrované v: WOS
4. [1.1] ANCHORDOQUI, Luis A. - BARGER, Vernon - GOLDBERG, Haim - HUANG, Xing - MARFATIA, Danny - DA SILVA, Luiz H. M. - WEILER, Thomas J. Majorana dark matter through the Higgs portal under the vacuum stability lamppost. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 6, art. no. 063504., Registrované v: WOS
5. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. - MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of heavy Higgs bosons decaying invisibly at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS
6. [1.1] AZATOV, Aleksandr - CONTINO, Roberto - PANICO, Giuliano - SON, Minho. Effective field theory analysis of double Higgs boson production via gluon fusion. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 035001., Registrované v: WOS
7. [1.1] BARMAN, Rahool Kumar - BHATTACHERJEE, Biplob - CHAKRABORTY, Amit - CHOUDHURY, Arghya. Study of MSSM heavy Higgs bosons decaying into charginos and neutralinos. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075013., Registrované v: WOS
8. [1.1] BAUM, Sebastian - FREESE, Katherine - SHAH, Nausheen R. - SHAKYA, Bibhushan. NMSSM Higgs boson search strategies at the LHC and

- the mono-Higgs signature in particular. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115036., Registrované v: WOS
9. [1.1] BERNREUTHER, W. - GALLER, P. - MELLEIN, C. - SI, Z.G. - UWER, P. Production of heavy Higgs bosons and decay into top quarks at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 034032., Registrované v: WOS
 10. [1.1] BHATTACHERJEE, Biplob - CHOUDHURY, Arghya. Role of supersymmetric heavy Higgs boson production in the self-coupling measurement of 125 GeV Higgs boson at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 7, art. no. 073015., Registrované v: WOS
 11. [1.1] BIAN, Ligong - CHEN, Ning - ZHANG, Yongchao. CP violation effects in the diphoton spectrum of heavy scalars. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 095008., Registrované v: WOS
 12. [1.1] BISHARA, Fady - CONTINO, Roberto - ROJO, Juan. Higgs pair production in vector-boson fusion at the LHC and beyond. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 7, art. no. 481., Registrované v: WOS
 13. [1.1] BONCIANI, Roberto - DEGRASSI, Giuseppe - GIARDINO, Pier Paolo - GROBER, Ramona. Analytical Method for Next-to-Leading-Order QCD Corrections to Double-Higgs Production. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 16, art. no. 162003., Registrované v: WOS
 14. [1.1] CAO, Junjie - HAN, Chengcheng - SHANG, Liangliang - SU, Wei - YANG, Jin Min - ZHANG, Yang. Interpreting the 750 GeV diphoton excess by the singlet extension of the Manohar-Wise model. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 755, pp. 456-463., Registrované v: WOS
 15. [1.1] CARPENTER, Linda M. - COLBURN, Russell - GOODMAN, Jessica. Supersoft SUSY models and the 750 GeV diphoton excess, beyond effective operators. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015016., Registrované v: WOS
 16. [1.1] DAS, D. Dominant production of heavier Higgs bosons through vector boson fusion in the NMSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 24 2019, vol. 99, no. 9., Registrované v: WOS
 17. [1.1] DAWSON, S. - LEWIS, I. M. NLO corrections to double Higgs boson production in the Higgs singlet model. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 094023., Registrované v: WOS
 18. [1.1] DEGRASSI, Giuseppe - GIARDINO, Pier Paolo - GROBER, Ramona. On the two-loop virtual QCD corrections to Higgs boson pair production in the standard model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 7, art. no. 411., Registrované v: WOS
 19. [1.1] DILLON, Barry M. - SANZ, Veronica. Kaluza-Klein gravitons at LHC2. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035008., Registrované v: WOS
 20. [1.1] DING, Ran - HAN, Zhi-Long - LIAO, Yi - MA, Xiao-Dong. Interpretation of 750 GeV diphoton excess at LHC in singlet extension of color-octet neutrino mass model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, art. no. 204., Registrované v: WOS
 21. [1.1] DORSCH, G. C. - HUBER, S. J. - MIMASU, K. - NO, J. M.

- Hierarchical versus degenerate 2HDM: The LHC run 1 legacy at the onset of run 2. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115033., Registrované v: WOS
22. [1.1] DREYER, Frederic A. - KARLBERG, Alexander. Vector-boson fusion Higgs pair production at (NLO)-L-3. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 114016., Registrované v: WOS
23. [1.1] DREYER, F.A. - KARLBERG, A. Fully differential vector-boson fusion Higgs pair production at next-to-next-to-leading order. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 29 2019, vol. 99, no. 7., Registrované v: WOS
24. [1.1] EFRATI, Aielet - KUFLIK, Eric - NUSSINOV, Shmuel - SOREQ, Yotam - VOLANSKY, Tomer. Constraining the Higgs-dilaton with LHC and dark matter searches. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 5, art. no. 055034., Registrované v: WOS
25. [1.1] GUTIERREZ-RODRIGUEZ, A. - HERNANDEZ-RUIZ, M. A. Probing the Z' resonance and the Higgs boson production and decay in a $SU(3)_C \times U(1)_N$ model at future e^+e^- colliders. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 9, art. no. 352., Registrované v: WOS
26. [1.1] HAMMAD, A. - KHALIL, S. - MORETTI, S. LHC signals of a B-L supersymmetric standard model CP-even Higgs boson. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115035., Registrované v: WOS
27. [1.1] CHAKRABORTY, Amit - MAITRA, Ushoshi - RAYCHAUDHURI, Sreerup - SAMUI, Tousik. Mixed Higgs-radion states at the LHC a detailed study. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 922, pp. 41-61., Registrované v: WOS
28. [1.1] ILNICKA, Agnieszka - ROBENS, Tania - STEFANIAK, Tim. Constraining extended scalar sectors at the LHC and beyond. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2018, vol. 33, no. 10-11, art. no. 1830007., Registrované v: WOS
29. [1.1] LAPERASHVILI, L. V. - NIELSEN, H. B. - DAS, C. R. New results at LHC confirming the vacuum stability and Multiple Point Principle. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 8, art. no. 1650029., Registrované v: WOS
30. [1.1] NIELSEN, H. B. Simple mass estimates for resonance(s) being $6\text{ top}+6\text{ antitop}$ bound states and combinations thereof. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 32, art. no. 1650168., Registrované v: WOS
31. [1.1] PAPAEFSTATHIOU, Andreas. Discovering Higgs boson pair production through rare final states at a 100 TeV collider. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 113016., Registrované v: WOS
32. [1.1] RAMIREZ-SANCHEZ, F. - GUTIERREZ-RODRIGUEZ, A. - HERNANDEZ-RUIZ, M. A. Higgs bosons production and decay at future e^+e^- linear colliders as a probe of the B-L model. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 9, art. no. 095003., Registrované v: WOS
33. [1.1] RIA, G. - MELONI, D. Radiative corrections of heavy scalar decays to gauge bosons in the singlet extension of the Standard Model. In

EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 270., Registrované v: WOS

34. [1.1] SALA, Filippo. Higgs and flavour as doors to new physics. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2016, vol. 131, no. 4, art. no. 79., Registrované v: WOS

35. [1.1] SCHILDERS, Kim A. A. - EENJES, Evelien - VAN RIET, Sander - POOT, Andre A. - STAMATIALIS, Dimitrios - TRUCKENMULLER, Roman - HIEMSTRA, Pieter S. - ROTTIER, Robbert J. Regeneration of the lung: Lung stem cells and the development of lung mimicking devices. In RESPIRATORY RESEARCH. ISSN 1465-993X, 2016, vol. 17, art. no. 44., Registrované v: WOS

36. [1.1] YOON, Yeo Woong - CHEUNG, Kingman - KANG, Sin Kyu - SONG, Jeonghyeon. Radiative decays of a singlet scalar boson through vectorlike quarks. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 055041., Registrované v: WOS

37. [1.1] ZAVJALOV, V. V. - AUTTI, S. - ELTSOV, V. B. - HEIKKINEN, P. J. - VOLOVIK, G. E. Light Higgs channel of the resonant decay of magnon condensate in superfluid He-3-B. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2016, vol. 7, art. no. 10294., Registrované v: WOS

ADCA891 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for Higgs boson pair production in the $WW^{(*)}WW^{(*)}$ decay channel using ATLAS data recorded at $\sqrt{s}=13$ TeV. In *Journal of High Energy Physics*, 2019, no. 5, art. no. 124. (2018: 5.833 - IF, Q1 - JCR, 1.016 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP05\(2019\)124](https://doi.org/10.1007/JHEP05(2019)124)

Ohlasy:

1. [1.1] ARCADI, G. - DJOUADI, A. - RAIDAL, M. Dark Matter through the Higgs portal. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, FEB 3 2020, vol. 842, p. 1-180., Registrované v: WOS

2. [1.1] ROBENS, T. - STEFANIAK, T. - WITTBRODT, J. Two-real-scalar-singlet extension of the SM: LHC phenomenology and benchmark scenarios. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 19 2020, vol. 80, no. 2., Registrované v: WOS

3. [1.1] STEGGEMANN, J. Extended Scalar Sectors. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 197-223., Registrované v: WOS

ADCA892 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for Higgs boson pair production in the $b(b)\text{over-bar}WW^*$ decay mode at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2019, no. 4, art. no. 092. (2018: 5.833 - IF, Q1 - JCR, 1.016 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP04\(2019\)092](https://doi.org/10.1007/JHEP04(2019)092)

Ohlasy:

1. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
2. [1.1] ROBENS, T. - STEFANIAK, T. - WITTBRODT, J. Two-real-scalar-singlet extension of the SM: LHC phenomenology and benchmark scenarios. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 19 2020, vol. 80, no. 2., Registrované v: WOS
3. [1.1] STEGGEMANN, J. Extended Scalar Sectors. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 197-223., Registrované v: WOS

ADCA893 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for Higgs boson pair production in the..WW * channel using pp collision data recorded at $\sqrt{s}=13$ TeV with the ATLAS detector. In *European Physical Journal C*, 2018, vol. 78, no. 12, art. no. 1007. (2017: 5.172 - IF, Q1 - JCR, 2.022 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-018-6457-x>

Ohlasy:

1. [1.1] ADHIKARY, A. - BARMAN, R.K. - BHATTACHERJEE, B. Prospects of non-resonant di-Higgs searches and Higgs boson self-coupling measurement at the HE-LHC using machine learning techniques. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 28 2020, no. 12., Registrované v: WOS
2. [1.1] AHMED, A. - DILLON, B.M. - NAJJARI, S. Dilaton portal in strongly interacting twin Higgs models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 20 2020, no. 2., Registrované v: WOS
3. [1.1] AHMED, A. - MARIOTTI, A. - NAJJARI, S. A light dilaton at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 20 2020, no. 5., Registrované v: WOS
4. [1.1] ALANNE, T. - ARCADI, G. - GOERTZ, F. - TENORTH, V. - VOGL, S. Model-independent constraints with extended dark matter EFT. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 27 2020, no. 10., Registrované v: WOS
5. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
6. [1.1] DEMIDOV, S. - GORBUNOV, D. - KRIUKOVA, E. Sgoldstino signature in hh, W+W- and ZZ spectra at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 20 2020, no. 5., Registrované v: WOS
7. [1.1] DREYER, F.A. - KARLBERG, A. Fully differential vector-boson fusion Higgs pair production at next-to-next-to-leading order. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 29 2019, vol. 99, no. 7., Registrované v: WOS
8. [1.1] HOU, W.S. - KOHDA, M. - MODAK, T. Top-assisted di-Higgs boson production motivated by baryogenesis. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 29 2019, vol. 99, no. 5., Registrované v: WOS

9. [1.1] ROBENS, T. - STEFANIAK, T. - WITTBRODT, J.
Two-real-scalar-singlet extension of the SM: LHC phenomenology and benchmark scenarios. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 19 2020, vol. 80, no. 2., Registrované v: WOS
10. [1.1] STEGGEMANN, J. Extended Scalar Sectors. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 197-223., Registrované v: WOS

ADCA894 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol.
Search for Higgs bosons decaying to $\mu\mu\tau\tau$ final state in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS experiment. In *Physical Review D*, 2015, vol. 92, no. 5, art. no. 052002. (2014: 4.643 - IF, Q1 - JCR, 2.414 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.92.052002>

Ohlasy:

1. [1.1] BATELL, Brian - LANGE, Nicholas - MCKEEN, David - POSPELOV, Maxim - RITZ, Adam. Muon anomalous magnetic moment through the leptonic Higgs portal. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075003., Registrované v: WOS
2. [1.1] BECIREVIC, D. - BERTUZZO, E. - SUMENSARI, O. - ZUKANOVICH FUNCHAL, R. Can the new resonance at LHC be a CP-odd Higgs boson? In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 757, pp. 261-267., Registrované v: WOS
3. [1.1] BELLAZZINI, Brando - MARIOTTI, Alberto - REDIGOLO, Diego - SALA, Filippo - SERRA, Javi. R-Axion at Colliders. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 14, art. no. 141804., Registrované v: WOS
4. [1.1] DAWSON, S. - ENGLERT, C. - PLEHN, T. Higgs physics: It ain't over till it is over. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, JUL 3 2019, vol. 816, p. 1-85., Registrované v: WOS
5. [1.1] DOMINGO, F. - KIM, J.S. - LOZANO, V.M. - MARTIN-RAMIRO, P. - DE AUSTRI, R.R. Confronting the neutralino and chargino sector of the NMSSM with the multilepton searches at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 8 2020, vol. 101, no. 7., Registrované v: WOS
6. [1.1] ENBERG, Rikard - KLEMM, William - MORETTI, Stefano - MUNIR, Shoaib. Electroweak production of light scalar-pseudoscalar pairs from extended Higgs sectors. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 764, pp. 121-125., Registrované v: WOS
7. [1.1] GUHAIT, Monoranjan - KUMAR, Jacky. Diphoton signal of a light pseudoscalar in the NMSSM at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035036., Registrované v: WOS
8. [1.1] IZAGUIRRE, Eder - STOLARSKI, Daniel. Searching for Higgs Decays to as Many as 8 Leptons. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 22, art. no. 221803., Registrované v: WOS
9. [1.1] KARLINER, Marek - NUSSINOV, Shmuel - ROSNER, Jonathan L. $Q\bar{Q}(Q)\bar{Q}$ states: Masses, production, and decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no.

034011., Registrované v: WOS

10. [1.1] KARLINER, Marek - ROSNER, Jonathan L. - SKWARNICKI, Tomasz. Multiquark States. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 68. ISSN 0163-8998, 2018, vol. 68, pp. 17-44., Registrované v: WOS

11. [1.1] KARLINER, M. - ROSNER, J.L. Interpretation of structure in the di-J/psi, spectrum. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 29 2020, vol. 102, no. 11., Registrované v: WOS

12. [1.1] KOZACZUK, J. - RAMSEY-MUSOLF, M.J. - SHELTON, J. Exotic Higgs boson decays and the electroweak phase transition. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 25 2020, vol. 101, no. 11., Registrované v: WOS

13. [1.1] LIU, Zhen - WANG, Lian-Tao - ZHANG, Hao. Exotic decays of the 125 GeV Higgs boson at future e(+)e(-) colliders. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 6, art. no. 063102., Registrované v: WOS

14. [1.1] MARIOTTI, Alberto - REDIGOLO, Diego - SALA, Filippo - TOBIOKA, Kohsaku. New LHC bound on low-mass diphoton resonances. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 13-18., Registrované v: WOS

15. [1.1] STEGGEMANN, J. Extended Scalar Sectors. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 197-223., Registrované v: WOS

ADCA895 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Search for Higgs Bosons Predicted in Two-Higgs-Doublet Models via Decays to Tau Lepton Pairs in 1.96 TeV pp Collisions. In *Physical Review Letters*, 2009, vol. 103, no. 20, art. no. 201801. (2008: 7.180 - IF, Q1 - JCR, 6.194 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.103.201801>

Ohlasy:

1. [1.1] BLAKE, T. - GERSHON, T. - HILLER, G. Rare b Hadron Decays at the LHC. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 65. ISSN 0163-8998, 2015, vol. 65, pp. 113-143., Registrované v: WOS

2. [1.1] CICHY, Krzysztof - GARCIA-RAMOS, Elena - JANSEN, Karl. Short distance singularities and automatic O(a) improvement: the cases of the chiral condensate and the topological susceptibility. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 048., Registrované v: WOS

3. [1.1] FONTAINE, Sarah N. - SABBAGH, Jonathan J. - BAKER, Jeremy - MARTINEZ-LICHA, Carlos R. - DARLING, April - DICKEY, Chad A. Cellular factors modulating the mechanism of tau protein aggregation. In CELLULAR AND MOLECULAR LIFE SCIENCES. ISSN 1420-682X, 2015, vol. 72, no. 10, pp. 1863-1879., Registrované v: WOS

4. [1.1] CHEN, Ning - LI, Jinmian - LIU, Yandong - LIU, Zuowei. LHC searches for the CP-odd Higgs boson with a jet substructure analysis. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 7, art. no. 075002., Registrované v: WOS

5. [1.1] KOZACZUK, Jonathan - MARTIN, Travis A. W. Extending LHC coverage to light pseudoscalar mediators and coy dark sectors. In

ADCA896 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Search for Higgs bosons produced in association with b quarks. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2012, vol. 85, no. 3, art. no. 032005. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.85.032005>

Ohlasy:

1. [1.1] CICHY, Krzysztof - GARCIA-RAMOS, Elena - JANSEN, Karl. Short distance singularities and automatic O(a) improvement: the cases of the chiral condensate and the topological susceptibility. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 048., Registrované v: WOS
2. [1.1] KANEMURA, Shinya - KIKUCHI, Mariko - YAGYU, Kei. Fingerprinting the extended Higgs sector using one-loop corrected Higgs boson couplings and future precision measurements. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 896, pp. 80-137., Registrované v: WOS
3. [1.1] KOZACZUK, Jonathan - MARTIN, Travis A. W. Extending LHC coverage to light pseudoscalar mediators and coy dark sectors. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 046., Registrované v: WOS

ADCA897 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for Higgs bosons produced via vector-boson fusion and decaying into bottom quark pairs in root s=13 TeV pp collisions with the ATLAS detector. In *Physical Review D*, 2018, vol. 98, no. 5, art. no. 052003. (2017: 4.394 - IF, Q1 - JCR, 1.801 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Ohlasy:

1. [1.1] CHAKRABARTY, N. - CHAKRABORTY, I. - GHOSH, D.K. Fingerprinting the contribution of colored scalars to the $H^+W^-Z(\gamma)$ vertex. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 5 2020, vol. 80, no. 12., Registrované v: WOS
2. [1.1] KRAML, S. - LOC, T.Q. - NHUNG, D.T. - NINH, L.D. Constraining new physics from Higgs measurements with Lilith: update to LHC Run 2 results. In SCIPost PHYSICS. ISSN 2542-4653, OCT 2019, vol. 7, no. 4., Registrované v: WOS
3. [1.1] LIU, T. - MELNIKOV, K. - PENIN, A.A. Nonfactorizable QCD Effects in Higgs Boson Production via Vector Boson Fusion. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, SEP 17 2019, vol. 123, no. 12., Registrované v: WOS

ADCA898 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for high mass dilepton resonances in pp collisions at root s=7 TeV with the ATLAS experiment. In *Physics Letters B*, 2011, vol. 700, no. 3-4, p. 163-180. (2010: 5.255 - IF, Q1 - JCR,

3.103 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] KNECHTLI, Francesco - RINALDI, Enrico. Extra-dimensional models on the lattice. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 22, art. no. 1643002., Registrované v: WOS
2. [1.1] SCHMALTZ, M. - ZHONG, Y.M. The leptoquark Hunter's guide: large coupling. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 15 2019, no. 1., Registrované v: WOS

ADCA899 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at root $s = \text{TeV}$ with the ATLAS detector. In *Journal of High Energy Physics*, 2015, vol. 2015, no. 12, art. no. 055. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP12\(2015\)055](https://doi.org/10.1007/JHEP12(2015)055)

Ohlasy:

1. [1.1] ABBAS, Gauhar. Low scale left-right-right-left symmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015029., Registrované v: WOS
2. [1.1] AGRAWAL, Pankaj - SAHA, Debashis - SHIVAJI, Ambresh. Production of HHH and HHV ($V = \gamma, Z$) at the hadron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 036006., Registrované v: WOS
3. [1.1] ANCHORDOQUI, Luis A. - ANTONIADIS, Ignatios - GOLDBERG, Haim - HUANG, Xing - LUEST, Dieter - TAYLOR, Tomasz R. Minimal left-right symmetric intersecting D-brane model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 2, art. no. 026011., Registrované v: WOS
4. [1.1] ARANDA, J. I. - CORTES-MALDONADO, I. - MONTEJO-MONTEJO, S. - RAMIREZ-ZAVALA, F. - TUTUTI, E. S. Heavy neutral scalar decays into electroweak gauge bosons in the littlest Higgs model. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 4, art. no. 045002., Registrované v: WOS
5. [1.1] AYDEMIR, Ufuk - MINIC, Djordje - SUN, Chen - TAKEUCHI, Tatsu. B-decay anomalies and scalar leptoquarks in unified Pati-Salam models from noncommutative geometry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 117., Registrované v: WOS
6. [1.1] BAHRAMI, Sahar - FRANK, Mariana - GHOSH, Dilip Kumar - GHOSH, Nivedita - SAHA, Ipsita. Dark matter and collider studies in the left-right symmetric model with vectorlike leptons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095024., Registrované v: WOS
7. [1.1] BELYAEV, Alexander - CACCIAPAGLIA, Giacomo - CAI, Haiying - FERRETTI, Gabriele - FLACKE, Thomas - PAROLINI, Alberto - SERODIO, Hugo. Di-boson signatures as standard candles for partial compositeness. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479,

- 2017, no. 1, art. no. 094., Registrované v: WOS
8. [1.1] BORAH, Debasish - DASGUPTA, Arnab - PATRA, Sudhanwa. Common origin of 3.55 keV x-ray line and gauge coupling unification with left-right dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 115019., Registrované v: WOS
 9. [1.1] DAS, K. - MONDAL, T. - RAI, S.K. Nonstandard signatures of vectorlike quarks in a leptophobic 221 model. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 4 2019, vol. 99, no. 11., Registrované v: WOS
 10. [1.1] DELGADO, R. L. - DOBADO, A. - ESPRIU, D. - GARCIA-GARCIA, C. - HERRERO, M. J. - MARCANO, X. - SANZ-CILLERO, J. J. Production of vector resonances at the LHC via WZ-scattering: a unitarized EChL analysis. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 11, art. no. 098., Registrované v: WOS
 11. [1.1] DELGADO, R.L. - GARCIA-GARCIA, C. - HERRERO, M.J. Dynamical vector resonances from the EChL in VBS at the LHC: the WW case. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 12 2019, no. 11., Registrované v: WOS
 12. [1.1] DEV, P. S. Bhupal - MOHAPATRA, R. N. Unified Explanation of the eejj, Diboson, and Dijet Resonances at the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 18, art. no. 181803., Registrované v: WOS
 13. [1.1] DONG, P.V. - NGAN, N.T.K. - THAM, T.D. - THIEN, L.D. - THUY, N.T. Phenomenology of the simple 3-3-1 model with inert scalars. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 23 2019, vol. 99, no. 9., Registrované v: WOS
 14. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS
 15. [1.1] DREYER, Frederic A. - SALAM, Gavin P. - SOYEZ, Gregory. The Lund jet plane. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 064., Registrované v: WOS
 16. [1.1] DREYER, Frederic A. - NECIB, Lina - SOYEZ, Gregory - THALER, Jesse. Recursive Soft Drop. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 093., Registrované v: WOS
 17. [1.1] FREYTSIS, M. - HARRIS, P. - HINZMANN, A. - MOULT, I. - TRAN, N. - VERNIERI, C. Prospects for a measurement of the W boson mass in the all-jets final state at hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 1 2019, no. 2., Registrované v: WOS
 18. [1.1] FUNATSU, Shuichiro - HATANAKA, Hisaki - HOSOTANI, Yutaka - ORIKASA, Yuta. Collider signals of W ' and Z ' bosons in the gauge-Higgs unification. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035032., Registrované v: WOS
 19. [1.1] HATI, Chandan - PATRA, Sudhanwa - PRITIMITA, Prativa - SARKAR, Utpal. Neutrino Masses and Leptogenesis in Left-Right Symmetric Models: A Review From a Model Building Perspective. In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2018, vol. 6, art. no. 19., Registrované v: WOS
 20. [1.1] CHIVUKULA, R. Sekhar - ITTISAMAI, Pawin - MOHAN, Kirtimaan - SIMMONS, Elizabeth H. Broadening the reach of simplified limits on resonances at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 055043., Registrované v: WOS

21. [1.1] KARACA, Koray. Lessons from the Large Hadron Collider for model-based experimentation: the concept of a model of data acquisition and the scope of the hierarchy of models. In SYNTHESE. ISSN 0039-7857, 2018, vol. 195, no. 12, pp. 5431-5452., Registrované v: WOS
22. [1.1] KO, P. - YU, Chaehyun - YUAN, Tzu-Chiang. Probing a new strongly interacting sector via composite diboson resonances. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115034., Registrované v: WOS
23. [1.1] KRAUSE, C. - PICH, A. - ROSELL, I. - SANTOS, J. - SANZ-CILLERO, J.J. Colorful imprints of heavy states in the electroweak effective theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 17 2019, no. 5., Registrované v: WOS
24. [1.1] LARKOSKI, Andrew - MARZANI, Simone - THALER, Jesse - TRIPATHEE, Aashish - XUE, Wei. Exposing the QCD Splitting Function with CMS Open Data. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 13, art. no. 132003., Registrované v: WOS
25. [1.1] LEONTARIS, G.K. - SHAFI, Q. Light sterile neutrino and low scale left-right symmetry in a D-brane inspired $SU(4)(C) \times SU(2)(L) \times SU(2)(R)$ model. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 20 2019, vol. 99, no. 3., Registrované v: WOS
26. [1.1] MEHTAR-TANI, Y. - SOTO-ONTOSO, A. - TYWONIUK, K. Dynamical grooming of QCD jets. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 6 2020, vol. 101, no. 3., Registrované v: WOS
27. [1.1] METODIEV, Eric M. - THALER, Jesse. Jet Topics: Disentangling Quarks and Gluons at Colliders. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 24, art. no. 241602., Registrované v: WOS
28. [1.1] PANELLA, O. - LEONARDI, R. - PANCHERI, G. - SRIVASTAVA, Y. N. - NARAIN, M. - HEINTZ, U. Production of exotic composite quarks at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075034., Registrované v: WOS
29. [1.1] PETRUKHIN, A. A. - BOGDANOV, A. G. Heavy particles at the LHC and in cosmic rays. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, 2017, vol. 48, no. 5, pp. 793-795., Registrované v: WOS
30. [1.1] ROY, Tuhin S. - THALAPILLIL, Arun M. Augmenting collider searches and enhancing discovery potentials through stochastic jet grooming. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075002., Registrované v: WOS
31. [1.1] SERENKOVA, I.A. - OSLAND, P. - PANKOV, A.A. Improved bounds on W - W' mixing with ATLAS resonant WZ production data at the LHC at $\sqrt{s}=13$ TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 8 2019, vol. 100, no. 1., Registrované v: WOS
32. [1.1] SIMMONS, Elizabeth H. - CHIVUKULA, R. Sekhar - ITTISAMAI, Pawin - MOHAN, Kirtimaan. Simplified Limits on New LHC Resonances. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 01019., Registrované v: WOS
33. [1.1] TERAZAWA, Hidezumi. Mass Spectrum of Quarks and Leptons in the Unified Composite Model. In NONLINEAR PHENOMENA IN COMPLEX SYSTEMS. ISSN 1561-4085, 2017, vol. 20, no. 4, pp. 327-336.,

Registrované v: WOS

34. [1.1] TRIPATHEE, Aashish - XUE, Wei - LARKOSKI, Andrew - MARZANI, Simone - THALER, Jesse. Jet substructure studies with CMS open data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074003., Registrované v: WOS

35. [1.1] WANG, Zhi-Wei - SAGE, Frederick S. - STEELE, T. G. - MANN, R. B. Asymptotic safety in the conformal hidden sector? In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 9, art. no. 095002., Registrované v: WOS

36. [1.1] XUE, She-Sheng. An effective strong-coupling theory of composite particles in UV-domain. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 5, art. no. 146., Registrované v: WOS

ADCA900 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - ABED ABUD, A. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for high-mass dilepton resonances using 139 fb⁻¹ of pp collision data collected at root s=13 TeV with the ATLAS detector. In *Physics Letters B*, 2019, vol. 796, p. 68-87. (2018: 4.162 - IF, Q2 - JCR, 1.806 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2019.07.016>

Ohlasy:

1. [1.1] ACCOMANDO, E. - CORADESCHI, F. - CRIDGE, T. - FIASCHI, J. - HAUTMANN, F. - MORETTI, S. - SHEPHERD-THEMISTOCLEOUS, C. - VOISEY, C. Production of Z'-boson resonances with large width at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, APR 10 2020, vol. 803., Registrované v: WOS
2. [1.1] AEBISCHER, J. - BURAS, A.J. - KUMAR, J. Another SMEFT story: Z' facing new results on epsilon'/epsilon, Delta M-K and K -> pi nu(nu)over-bar. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 15 2020, no. 12., Registrované v: WOS
3. [1.1] AHMED, A. - NAJJARI, S. - VERHAAREN, C.B. A minimal model for neutral naturalness and pseudo-Nambu-Goldstone dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 1 2020, no. 6., Registrované v: WOS
4. [1.1] ALTMANNSHOFER, W. - DAVIGHI, J. - NARDECCHIA, M. Gauging the accidental symmetries of the standard model, and implications for the flavor anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 7 2020, vol. 101, no. 1., Registrované v: WOS
5. [1.1] ANTUSCH, S. - HAMMAD, A. - RASHED, A. Probing Z' mediated charged lepton flavor violation with taus at the LHeC. In PHYSICS LETTERS B. ISSN 0370-2693, NOV 10 2020, vol. 810., Registrované v: WOS
6. [1.1] BARMAN, B. - BHANJA, T. - DAS, D. - MAITY, D. Minimal model of torsion mediated dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, APR 10 2020, vol. 101, no. 7., Registrované v: WOS
7. [1.1] BARNES, P. - JOHNSON, Z. - PIERCE, A. - SHAKYA, B. Simple hidden sector dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, OCT 16 2020, vol. 102, no. 7., Registrované v: WOS
8. [1.1] BEAUCHESNE, H. - KATS, Y. Searching for periodic signals in kinematic distributions using continuous wavelet transforms. In EUROPEAN

PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 2 2020, vol. 80, no. 3.,
Registrované v: WOS

9. [1.1] BHATTACHERJEE, B. - KHAN, N. - PATRA, A. Anatomy of heavy gauge bosons in a left-right supersymmetric model. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 10 2019, vol. 100, no. 7., Registrované v: WOS

10. [1.1] BISWAS, A. - BORAH, D. - NANDA, D. Type III seesaw for neutrino masses in $U(1)(B-L)$ model with multi-component dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 13 2019, no. 12., Registrované v: WOS

11. [1.1] BUONOCORE, L. - HAISCH, U. - NASON, P. - TRAMONTANO, F. - ZANDERIGHI, G. Lepton-Quark Collisions at the Large Hadron Collider. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, DEC 2 2020, vol. 125, no. 23., Registrované v: WOS

12. [1.1] CALLE, J. - RESTREPO, D. - ZAPATA, O. Dirac neutrino mass generation from a Majorana messenger. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 6 2020, vol. 101, no. 3., Registrované v: WOS

13. [1.1] CASAS, J.A. - CHAKRABORTI, M. - QUILIS, J. UV completion of an axial, leptophobic, Z' . In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS

14. [1.1] COGOLLO, D. - FREITAS, F.F. - PIRES, C.A.D. - OVIEDO-TORRES, Y.M. - VASCONCELOS, P. Deep learning analysis of the inverse seesaw in a 3-3-1 model at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS

15. [1.1] DAS, A. - GOSWAMI, S. - VISHNUDATH, K.N. - NOMURA, T. Constraining a general $U(1)'$ inverse seesaw model from vacuum stability, dark matter, and collider. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 20 2020, vol. 101, no. 5., Registrované v: WOS

16. [1.1] DEPPISCH, F.F. - KULKARNI, S. - LIU, W. Searching for a light Z' through Higgs production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 11 2019, vol. 100, no. 11., Registrované v: WOS

17. [1.1] DROR, J.A. - DUNSKY, D. - HALL, L.J. - HARIGAYA, K. Sterile neutrino dark matter in left-right theories. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 23 2020, no. 7., Registrované v: WOS

18. [1.1] FRANK, M. Evading Z' boson mass limits in $U(1)'$ supersymmetric models. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 21, SI, p. 3205-3220., Registrované v: WOS

19. [1.1] FRANK, M. - HICYILMAZ, Y. - MORETTI, S. - OZDAL, O. Leptophobic Z' bosons in the secluded UMSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 21 2020, vol. 102, no. 11., Registrované v: WOS

20. [1.1] FRANK, M. - HICYILMAZ, Y. - MORETTI, S. - OZDAL, O. E-6 motivated UMSSM confronts experimental data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 25 2020, no. 5., Registrované v: WOS

21. [1.1] FRANK, M. - HUITU, K. - MONDAL, S. Dark matter and collider signals in supersymmetric $U(1)'$ models with nonuniversal Z' couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 9 2019, vol. 100, no. 11., Registrované v: WOS

22. [1.1] GUZZI, M. - KIDONAKIS, N. $t Z'$ production at hadron colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 25 2020, vol. 80, no. 5., Registrované v: WOS
23. [1.1] HUANG, C.T. - RAMOS, R. - TRAN, V.Q. - TSAI, Y.L.S. - YUAN, T.C. Consistency of gauged two Higgs doublet model: gauge sector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 6 2019, no. 9., Registrované v: WOS
24. [1.1] HUNG, H.T. - HONG, T.T. - PHUONG, H.H. - MAI, H.L.T. - HUE, L.T. Neutral Higgs boson decays $H \rightarrow Z \gamma \gamma$ in 3-3-1 models. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS
25. [1.1] CHACKO, Z. - KILIC, C. - NAJJARI, S. - VERHAAREN, C.B. Collider signals of the Mirror Twin Higgs boson through the hypercharge portal. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 29 2019, vol. 100, no. 3., Registrované v: WOS
26. [1.1] CHIANG, C.W. - COTTIN, G. - DAS, A. - MANDAL, S. Displaced heavy neutrinos from Z' decays at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 9 2019, no. 12., Registrované v: WOS
27. [1.1] CHOUDHURY, D. - DEKA, K. - MANDAL, T. - SADHUKHAN, S. Neutrino and Z' phenomenology in an anomaly-free $U(1)$ extension: role of higher-dimensional operators. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 17 2020, no. 6., Registrované v: WOS
28. [1.1] KAHLHOEFER, F. - MUCK, A. - SCHULTE, S. - TUNNEY, P. Interference effects in dilepton resonance searches for Z' bosons and dark matter mediators. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 18 2020, no. 3., Registrované v: WOS
29. [1.1] KAWAMURA, J. - RABY, S. - TRAUTNER, A. Complete vectorlike fourth family and new $U(1)'$ for muon anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 18 2019, vol. 100, no. 5., Registrované v: WOS
30. [1.1] KAWAMURA, J. - RABY, S. - TRAUTNER, A. Complete vectorlike fourth family with $U(1)'$: A global analysis. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 19 2020, vol. 101, no. 3., Registrované v: WOS
31. [1.1] LEITE, J. - POPOV, O. - SRIVASTAVA, R. - VALLE, J.W.F. A theory for scotogenic dark matter stabilised by residual gauge symmetry. In PHYSICS LETTERS B. ISSN 0370-2693, MAR 10 2020, vol. 802., Registrované v: WOS
32. [1.1] MIRANDA, O.G. - PAPOULIAS, D.K. - TORTOLA, M. - VALLE, J.W.F. Probing new neutral gauge bosons with CE ν NS and neutrino-electron scattering. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 21 2020, vol. 101, no. 7., Registrované v: WOS
33. [1.1] NANDA, D. - BORAH, D. Connecting light dirac neutrinos to a multi-component dark matter scenario in gauged $B - L$ model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 19 2020, vol. 80, no. 6., Registrované v: WOS
34. [1.1] NOTTENSTEINER, F. - ORDELL, A. - PASECHNIK, R. - SERODIO, H. Classification of anomaly-free 2HDMs with a gauged $U(1)'$ symmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 23 2019, vol.

- 100, no. 11., Registrované v: WOS
35. [1.1] OKADA, N. - RAUT, D. - VILLALBA, D. Fermion mass hierarchy and phenomenology in the 5D Domain Wall Standard Model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 28 2019, no. 10., Registrované v: WOS
36. [1.1] REMMEN, G.N. - RODD, N.L. Flavor Constraints from Unitarity and Analyticity. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, AUG 19 2020, vol. 125, no. 8., Registrované v: WOS
37. [1.1] RUETER, T.D. - RIZZO, T.G. Towards a UV model of kinetic mixing and portal matter. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 24 2020, vol. 101, no. 1., Registrované v: WOS
38. [1.1] SERRA, J. - STELZL, S. - TORRE, R. - WEILER, A. Hypercharged naturalness. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 7 2019, no. 10., Registrované v: WOS

ADCA901 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for high-mass dilepton resonances in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2014, vol. 90, no. 5, art. no. 052005. (2013: 4.864 - IF, Q1 - JCR, 2.482 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.90.052005>

Ohlasy:

1. [1.1] ABDALLAH, W. - FIASCHI, J. - KHALIL, S. - MORETTI, S. Z'-induced invisible right-handed sneutrino decays at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 055029., Registrované v: WOS
2. [1.1] ABDALLAH, W. - HAMMAD, A. - KHALIL, S. - MORETTI, S. Search for mono-Higgs signals at the LHC in the B L supersymmetric standard model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055019., Registrované v: WOS
3. [1.1] ALEKHIN, Sergey et al. A facility to search for hidden particles at the CERN SPS: the SHiP physics case. In REPORTS ON PROGRESS IN PHYSICS. 2016, vol. 79, no. 12, art. no. 124201., Registrované v: WOS
4. [1.1] ALIOLI, Simone - DEKENS, Wouter - GIRARD, Michael - MEREGHETTI, Emanuele. NLO QCD corrections to SM-EFT dilepton and electroweak Higgs boson production, matched to parton shower in POWHEG. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 205., Registrované v: WOS
5. [1.1] ALIOLI, Simone - FARINA, Marco - PAPPADOPULO, Duccio - RUDERMAN, Joshua T. Catching a New Force by the Tail. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 10, art. no. 101801., Registrované v: WOS
6. [1.1] ALLANACH, B. C. - GRIPAIO, Ben - SUTHERLAND, Dave. Anatomy of the ATLAS diboson anomaly. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 5, art. no. 055003., Registrované v: WOS
7. [1.1] ALTMANNSHOFER, Wolfgang - STRAUB, David M. New physics in $b \rightarrow s$ transitions after LHC run 1. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 8, art. no. 382., Registrované

v: WOS

8. [1.1] ALTMANNSHOFER, Wolfgang - FOX, Patrick J. - HARNIK, Roni - KRIBS, Graham D. - RAJ, Nirmal. Dark matter signals in dilepton production at hadron colliders. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 115006., Registrované v: WOS
9. [1.1] ALVES, Alexandre - ARCADI, Giorgio - DONG, P. V. - DUARTE, Laura - QUEIROZ, Farinaldo S. - VALLE, Jose W. F. Matter-parity as a residual gauge symmetry: Probing a theory of cosmological dark matter. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 772, pp. 825-831., Registrované v: WOS
10. [1.1] ALVES, Alexandre - ARCADI, Giorgio - MAMBRINI, Yann - PROFUMO, Stefano - QUEIROZ, Farinaldo S. Augury of darkness: the low-mass dark Z' portal. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, art. no. 164., Registrované v: WOS
11. [1.1] ANCHORDOQUI, Luis A. - ANTONIADIS, Ignatios - GOLDBERG, Haim - HUANG, Xing - LUEST, Dieter - TAYLOR, Tomasz R. Stringy origin of diboson and dijet excesses at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 749, pp. 484-488., Registrované v: WOS
12. [1.1] ARANDA, J. I. - CORTES-MALDONADO, I. - RAMIREZ-ZAVALA, F. - TUTUTI, E. S. The $Z(H) \rightarrow \gamma H$ decay in the lightest Higgs model. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 2, art. no. 025002., Registrované v: WOS
13. [1.1] ARCADI, Giorgio - LINDNER, Manfred - MAMBRINI, Yann - PIERRE, Mathias - QUEIROZ, Farinaldo S. GUT models at current and future hadron colliders and implications to dark matter searches. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 771, pp. 508-514., Registrované v: WOS
14. [1.1] ARCADI, Giorgio. Dark matter phenomenology of GUT inspired simplified models. In XIV INTERNATIONAL CONFERENCE ON TOPICS IN ASTROPARTICLE AND UNDERGROUND PHYSICS (TAUP 2015), PTS 1-7. ISSN 1742-6588, 2016, vol. 718, art. no. UNSP 042003., Registrované v: WOS
15. [1.1] ARUN, Mathew Thomas - SAHA, Pratishruti. Gravitons in multiply warped scenarios: At 750 GeV and beyond. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2017, vol. 88, no. 6, art. no. 93., Registrované v: WOS
16. [1.1] ATHRON, P. - HARRIES, D. - WILLIAMS, A. G. Z' mass limits and the naturalness of supersymmetry. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 115024., Registrované v: WOS
17. [1.1] BALASUBRAMANIAM, K. M. Phenomenological study of Z' in the minimal B-L model at LHC. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2017, vol. 89, no. 4, art. no. 52., Registrované v: WOS
18. [1.1] BANDYOPADHYAY, Priyotosh - CHUN, Eung Jin - MANDAL, Rusa. Implications of right-handed neutrinos in B-L extended standard model with scalar dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 015001., Registrované v: WOS
19. [1.1] BANERJEE, D. - DHARAI, C. - SAHOO, S. Search for the $B(s) \rightarrow e^+ e^- \gamma$ and $B(d) \rightarrow e^+ e^- \gamma$ Decays in Flavor-Changing Z' Model. In BRAZILIAN

JOURNAL OF PHYSICS. ISSN 0103-9733, 2015, vol. 45, no. 5, pp. 545-549.,
Registrované v: WOS

20. [1.1] BARDUCCI, Daniele - CAI, Haiying - DE CURTIS, Stefania -
LLANES-ESTRADA, Felipe J. - MORETTI, Stefano. Unitarity in composite
Higgs boson approaches with vector resonances. In PHYSICAL REVIEW D.
ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 095013., Registrované v: WOS

21. [1.1] BASSO, Lorenzo. The Higgs Sector of the Minimal SUSY B L
Model. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015,
art. no. 980687., Registrované v: WOS

22. [1.1] BAUER, Martin - SCHELL, Torben - PLEHN, Tilman. Hunting
the flavon. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5,
art. no. 056003., Registrované v: WOS

23. [1.1] BELANGER, Genevieve - DELAUNAY, Cedric -
WESTHOFF, Susanne. Dark matter relic from muon anomalies. In PHYSICAL
REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 5, art. no. 055021.,
Registrované v: WOS

24. [1.1] BELYAEV, A. - COUPE, A. - FRANDSEN, M. - OLAIYA, E.
- SHEPHERD-THEMISTOCLEOUS, C. Walking technicolor in light of Z'
searches at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 8
2019, vol. 99, no. 5., Registrované v: WOS

25. [1.1] BERNON, Jeremy - SMITH, Christopher. Could the width of
the diphoton anomaly signal a three-body decay? In PHYSICS LETTERS B.
ISSN 0370-2693, 2016, vol. 757, pp. 148-153., Registrované v: WOS

26. [1.1] BHATTACHARYA, Satyaki - FRANK, Mariana - HUITU,
Katri - MAITRA, Ushoshi - MUKHOPADHYAYA, Biswarup - RAI, Santosh
Kumar. Probing the light radion through diphotons at the Large Hadron Collider.
In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 1, art. no.
016008., Registrované v: WOS

27. [1.1] BISWAS, Anirban - CHOUBEY, Sandhya - KHAN, Sarif.
Neutrino mass, leptogenesis and FIMP dark matter in a U(1)(B-L) model. In
EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12,
art. no. 875., Registrované v: WOS

28. [1.1] BISWAS, Anirban - CHOUBEY, Sandhya - KHAN, Sarif.
Inverse seesaw and dark matter in a gauged B L extension with flavour
symmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479,
2018, no. 8, art. no. 062., Registrované v: WOS

29. [1.1] BISWAS, Anirban. Explaining low energy gamma-ray excess
from the galactic centre using a two-component dark matter model. In
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN
0954-3899, 2016, vol. 43, no. 5, art. no. 055201., Registrované v: WOS

30. [1.1] BOLTON, P.D. - DEPPISCH, F.F. - HATI, C. - PATRA, S. -
SARKAR, U. Alternative formulation of left-right symmetry with B - L
conservation and purely Dirac neutrinos. In PHYSICAL REVIEW D. ISSN
2470-0010, AUG 14 2019, vol. 100, no. 3., Registrované v: WOS

31. [1.1] CAI, Yi - HAN, Tao - LI, Tong - RUIZ, Richard. Lepton
Number Violation: Seesaw Models and Their Collider Tests. In FRONTIERS IN
PHYSICS. ISSN 2296-424X, 2018, vol. 6, art. no. 40., Registrované v: WOS

32. [1.1] CAMARGO, Daniel A. - MAMBRINI, Yann - QUEIROZ,
Farinaldo S. XENON1T takes a razor to a dark E-6-inspired model. In PHYSICS
LETTERS B. ISSN 0370-2693, 2018, vol. 786, pp. 337-341., Registrované v:

WOS

33. [1.1] CAPDEVILLA, Rodolfo M. - DELGADO, Antonio - MARTIN, Adam - RAJ, Nirmal. Characterizing dark matter at the LHC in Drell-Yan events. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 035016., Registrované v: WOS
34. [1.1] CAPUTO, A. - HERNANDEZ, P. - RIUS, N. Leptogenesis from oscillations and dark matter. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 9 2019, vol. 79, no. 7., Registrované v: WOS
35. [1.1] CELIS, Alejandro - FUENTES-MARTIN, Javier - JUNG, Martin - SERODIO, Hugo. Family nonuniversal Z' models with protected flavor-changing interactions. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 015007., Registrované v: WOS
36. [1.1] CELIS, Alejandro - FENG, Wan-Zhe - VOLLMANN, Martin. Dirac dark matter and $b(\cdot) \rightarrow s l^{(+)} l^{(-)}$ with $U(1)$ gauge symmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035018., Registrované v: WOS
37. [1.1] CRIVELLIN, Andreas. New Physics in B decays. In INTERNATIONAL WORKSHOP ON FLAVOUR CHANGING AND CONSERVING PROCESSES 2015 (FCCP 2015). ISSN 2100-014X, 2016, vol. 118, art. no. 01007., Registrované v: WOS
38. [1.1] CURTIN, David - VERHAAREN, Christopher B. Quirky explanations for the diphoton excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055011., Registrované v: WOS
39. [1.1] DAS, Arindam - OKADA, Nobuchika - PAPAPIETRO, Nathan. Electroweak vacuum stability in classically conformal B-L extension of the standard model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 2, art. no. 122., Registrované v: WOS
40. [1.1] DAS, Ashmita - MUKHERJEE, Hiya - PAUL, Tanmoy - SENGUPTA, Soumitra. Radion stabilization in higher curvature warped spacetime. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 2, art. no. 108., Registrované v: WOS
41. [1.1] DAS, Ashmita - SENGUPTA, Soumitra. Lightest Kaluza-Klein graviton mode in a back-reacted Randall-Sundrum scenario. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 8, art. no. 423., Registrované v: WOS
42. [1.1] DAVOUDIASL, Hooman - ZHANG, Cen. 750 GeV messenger of dark conformal symmetry breaking. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055006., Registrované v: WOS
43. [1.1] DERY, Avital - FRUGIUELE, Claudia - NIR, Yosef. Large Higgs-electron Yukawa coupling in 2HDM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 4, art. no. 044., Registrované v: WOS
44. [1.1] DING, Ran - HAN, Zhi-Long - LIAO, Yi - MA, Xiao-Dong. Interpretation of 750 GeV diphoton excess at LHC in singlet extension of color-octet neutrino mass model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, art. no. 204., Registrované v: WOS
45. [1.1] DING, Ran - HAN, Zhi-Long - HUANG, Li - LIAO, Yi. Phenomenology of colored radiative neutrino mass model and its implications on cosmic-ray observations. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 10, art. no. 103101., Registrované v: WOS
46. [1.1] DING, Ran - HUANG, Li - LI, Tianjun - ZHU, Bin. Interpreting

- 750 GeV diphoton excess with R-parity violating supersymmetry. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 2-3, art. no. 1750014., Registrované v: WOS
47. [1.1] DOBRESCU, Bogdan A. - FOX, Patrick J. - KEARNEY, John. Higgs-photon resonances. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 10, art. no. 704., Registrované v: WOS
48. [1.1] DOBRESCU, Bogdan A. - FOX, Patrick J. - KEARNEY, John. Multi-step production of a diphoton resonance. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 6, art. no. 065003., Registrované v: WOS
49. [1.1] D'AMBROSIO, G. - IYER, A.M. - PICCININI, F. - POLOSA, A.D. Confronting B anomalies with low-energy parity violation. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 19 2020, vol. 101, no. 3., Registrované v: WOS
50. [1.1] FALKOWSKI, Adam - KAMENIK, Jernej F. Diphoton portal to warped gravity. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015008., Registrované v: WOS
51. [1.1] FORNAL, Bartosz - RAJARAMAN, Arvind - TAIT, Tim M. P. Baryon number as the fourth color. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 055022., Registrované v: WOS
52. [1.1] FRASER, Sean - KOWNACKI, Corey - MA, Ernest - POLLARD, Nicholas - POPOV, Oleg - ZAKERI, Mohammadreza. Phenomenology of the utilitarian supersymmetric standard model. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 909, pp. 644-656., Registrované v: WOS
53. [1.1] GUTIERREZ-RODRIGUEZ, A. - HERNANDEZ-RUIZ, M. A. Probing the Z' resonance and the Higgs boson production and decay in a $SU(3)_C \times U(1)_N$ model at future e^+e^- colliders. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 9, art. no. 352., Registrované v: WOS
54. [1.1] HAN, Zhi-Long - WANG, Weijian. Z' portal dark matter in B-L scotogenic Dirac model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 10, art. no. 839., Registrované v: WOS
55. [1.1] HE, Min - HE, Xiao-Gang - HUANG, Cheng-Kai - LI, Gang. Search for a heavy dark photon at future e^+e^- colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 139., Registrované v: WOS
56. [1.1] HISANO, Junji - NAGATA, Natsumi - OMURA, Yuji. Interpretations of the ATLAS diboson resonances. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 055001., Registrované v: WOS
57. [1.1] HOOPER, Dan. Z' mediated dark matter models for the Galactic Center gamma-ray excess. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 035025., Registrované v: WOS
58. [1.1] CHAKRABORTY, Amit - CHAKRABORTY, Sabyasachi. Probing $(g-2)_\mu$ at the LHC in the paradigm of R-parity violating MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075035., Registrované v: WOS
59. [1.1] CHAO, Wei - GUO, Huai-Ke - ZHANG, Yongchao. Majorana dark matter with B plus L gauge symmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, art. no. 034., Registrované v: WOS

60. [1.1] CHAO, Wei. Symmetries behind the 750 GeV diphoton excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115013., Registrované v: WOS
61. [1.1] CHAO, W. - CUI, W.F. - GUO, H.K. - SHU, J. Gravitational wave imprint of new symmetry breaking. In CHINESE PHYSICS C. ISSN 1674-1137, DEC 2020, vol. 44, no. 12., Registrované v: WOS
62. [1.1] CHEUNG, Kingman - KEUNG, Wai-Yee - TSENG, Po-Yan - YUAN, Tzu-Chiang. Interpretations of the ATLAS diboson anomaly. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 751, pp. 188-194., Registrované v: WOS
63. [1.1] CHIVUKULA, R. Sekhar - ISAACSON, Joshua - MOHAN, Kirtimaan A. - SENGUPTA, Dipan - SIMMONS, Elizabeth H. R-K anomalies and simplified limits on Z' models at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075012., Registrované v: WOS
64. [1.1] CHUN, Eung Jin. Lepton-flavor violating signatures in supersymmetric U(1)' seesaw. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 15, art. no. 1530041., Registrované v: WOS
65. [1.1] IWAMOTO, Sho - LEE, Gabriel - SHADMI, Yael - ZIEGLER, Robert. Diphoton signals from colorless hidden quarkonia. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015003., Registrované v: WOS
66. [1.1] KAMENIK, Jernej F. - REDI, Michele. Back to 1974: The Q-onium. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 760, pp. 158-163., Registrované v: WOS
67. [1.1] KANG, Zhaofeng - KO, P. - LI, Jinmian. New avenues to heavy right-handed neutrinos with pair production at hadronic colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075037., Registrované v: WOS
68. [1.1] KANG, Zhaofeng - KO, P. - LI, Jinmian. New Physics Opportunities in the Boosted Di-Higgs-Boson Plus Missing Transverse Energy Signature. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 13, art. no. 131801., Registrované v: WOS
69. [1.1] KAWANA, Kiyoharu. Criticality and inflation of the gauged B L model. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2015, no. 7, art. no. 073B04., Registrované v: WOS
70. [1.1] KIM, C. S. - YUAN, Xing-Bo - ZHENG, Ya-Juan. Constraints on a Z' boson within minimal flavor violation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 095009., Registrované v: WOS
71. [1.1] KIRILOVA, D.P. - CHIZHOV, E.M. Cosmological constraints on chiral tensor particles. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, APR 20 2019, vol. 34, no. 11., Registrované v: WOS
72. [1.1] KITAZAWA, Noriaki - SAKAI, Yuki. Constraints on gauge-Higgs unification models at the LHC. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 7, art. no. 1650041., Registrované v: WOS
73. [1.1] KNAPEN, Simon - MELIA, Tom - PAPUCCI, Michele - ZUREK, Kathryn M. Rays of light from the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075020., Registrované v: WOS

74. [1.1] KOIDE, Yoshio - YAMANAKA, Masato - YOKOYA, Hiroshi. Family gauge boson production at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 750, pp. 384-389., Registrované v: WOS
75. [1.1] KOIDE, Yoshio. Family gauge boson mass estimated from $K^+ \rightarrow \pi^+ \nu(\nu)$. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 036009., Registrované v: WOS
76. [1.1] KOWNACKI, Corey - MA, Ernest. Gauge U (1) dark symmetry and radiative light fermion masses. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 760, pp. 59-62., Registrované v: WOS
77. [1.1] KOWNACKI, Corey - MA, Ernest - POLLARD, Nicholas - ZAKERI, Mohammadreza. Generalized gauge U(1) family symmetry for quarks and leptons. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 766, pp. 149-152., Registrované v: WOS
78. [1.1] KOWNACKI, Corey - MA, Ernest - POLLARD, Nicholas - POPOV, Oleg - ZAKERI, Mohammadreza. Alternative $[SU(3)](4)$ model of leptonic color and dark matter. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 928, pp. 520-534., Registrované v: WOS
79. [1.1] KOWNACKI, Corey - MA, Ernest - POLLARD, Nicholas - POPOV, Oleg - ZAKERI, Mohammadreza. Dark Gauge U(1) symmetry for an alternative left-right model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 2, art. no. 148., Registrované v: WOS
80. [1.1] LINDNER, Manfred - PLATSCHER, Moritz - QUEIROZ, Farinaldo S. A call for new physics: The muon anomalous magnetic moment and lepton flavor violation. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2018, vol. 731, pp. 1-82., Registrované v: WOS
81. [1.1] LINDNER, Manfred - QUEIROZ, Farinaldo S. - RODEJOHANN, Werner. Dilepton bounds on left-right symmetry at the LHC run II and neutrinoless double beta decay. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 762, pp. 190-195., Registrované v: WOS
82. [1.1] LLAMAS-BUGARIN, A. - GUTIERREZ-RODRIGUEZ, A. - HERNANDEZ-RUIZ, M. A. Probing the electromagnetic dipole moments of the tau-neutrino in the U(1)(B-L) model at the ILC and CLIC energies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 116008., Registrované v: WOS
83. [1.1] LOW, Matthew - TESI, Andrea - WANG, Lian-Tao. Composite spin-1 resonances at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 8, art. no. 085019., Registrované v: WOS
84. [1.1] MA, Ernest - POLLARD, Nicholas - SRIVASTAVA, Rahul - ZAKERI, Mohammadreza. Gauge B-L model with residual Z(3) symmetry. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 750, pp. 135-138., Registrované v: WOS
85. [1.1] MA, Ernest - POLLARD, Nicholas - POPOV, Oleg - ZAKERI, Mohammadreza. Gauge B-L model of radiative neutrino mass with multipartite dark matter. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 27, art. no. 1650163., Registrované v: WOS
86. [1.1] MA, Ernest. Progressive gauge U(1) family symmetry for quarks and leptons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 031701., Registrované v: WOS
87. [1.1] MA, Ernest. The many guises of a neutral fermion singlet. In

- MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2017, vol. 32, no. 8, art. no. 1730007., Registrované v: WOS
88. [1.1] MA, Ernest. $[SU(2)](3)$ dark matter. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 780, pp. 533-537., Registrované v: WOS
89. [1.1] MODAK, Tanmoy - SADHUKHAN, Soumya - SRIVASTAVA, Rahul. 750 GeV diphoton excess from gauged B L symmetry. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 756, pp. 405-412., Registrované v: WOS
90. [1.1] NAM, C.H. $U(1)$ extension of the standard model from short-distance structure of spacetime. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 3 2019, vol. 79, no. 5., Registrované v: WOS
91. [1.1] NEVES, Mario Junior - HELAYEL-NETO, Jose A. TeV- and MeV-Physics Out of an $SU(2)_X U(1)_J U(1)_K$ Model. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2018, vol. 530, no. 3, art. no. 1700112., Registrované v: WOS
92. [1.1] NOMURA, Takaaki - OKADA, Hiroshi. Radiatively induced quark and lepton mass model. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 761, pp. 190-196., Registrované v: WOS
93. [1.1] NOTTENSTEINER, F. - ORDELL, A. - PASECHNIK, R. - SERODIO, H. Classification of anomaly-free 2HDMs with a gauged $U(1)'$ symmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 23 2019, vol. 100, no. 11., Registrované v: WOS
94. [1.1] OKADA, Hiroshi - ORIKASA, Yuta. Classically conformal radiative neutrino model with gauged B L symmetry. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 760, pp. 558-564., Registrované v: WOS
95. [1.1] OKADA, Nobuchika - OKADA, Satomi. $Z(BL)$ portal dark matter and LHC Run-2 results. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075003., Registrované v: WOS
96. [1.1] OKADA, Nobuchika - OKADA, Satomi. Z' -portal right-handed neutrino dark matter in the minimal $U(1)(X)$ extended Standard Model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035025., Registrované v: WOS
97. [1.1] OKADA, Nobuchika - RAUT, Digesh. Running non-minimal inflation with stabilized inflaton potential. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 4, art. no. 247., Registrované v: WOS
98. [1.1] OMURA, Yuji - TOBE, Kazuhiro - TSUMURA, Koji. Survey of Higgs interpretations of the diboson excesses. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 5, art. no. 055015., Registrované v: WOS
99. [1.1] PATRA, Sudhanwa - QUEIROZ, Farinaldo S. - RODEJOHANN, Werner. Stringent dilepton bounds on left-right models using LHC data. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 752, pp. 186-190., Registrované v: WOS
100. [1.1] PAUL, Tanmoy - SENGUPTA, Soumitra. Graviton Kaluza-Klein modes in nonflat branes with stabilized modulus. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 8, art. no. 085035., Registrované v: WOS
101. [1.1] PAUL, Tanmoy. A possible testbed for warped extra dimension from the angle of Buchdahl's limit. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 508., Registrované v: WOS

102. [1.1] PEDERSEN, Keith - SULLIVAN, Zack. $\mu(x)$ boosted-bottom-jet tagging and Z' boson searches. In PHYSICAL REVIEW D. ISSN 1550-7998, 2016, vol. 93, no. 1, art. no. 014014., Registrované v: WOS
103. [1.1] PEIRO, Miguel. Isospin violating dark matter in Stuckelberg portals with intersecting D-branes. In XIV INTERNATIONAL CONFERENCE ON TOPICS IN ASTROPARTICLE AND UNDERGROUND PHYSICS (TAUP 2015), PTS 1-7. ISSN 1742-6588, 2016, vol. 718, art. no. UNSP 042042., Registrované v: WOS
104. [1.1] QUEIROZ, Farinaldo S. - SIQUEIRA, Clarissa - VALLE, Jose W. F. Constraining flavor changing interactions from LHC Run-2 dilepton bounds with vector mediators. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 763, pp. 269-274., Registrované v: WOS
105. [1.1] RAJ, Nirmal. Anticipating nonresonant new physics in dilepton angular spectra at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015011., Registrované v: WOS
106. [1.1] RAMIREZ-SANCHEZ, F. - GUTIERREZ-RODRIGUEZ, A. - GONZALEZ-SANCHEZ, Alejandro - HERNANDEZ-RUIZ, M. A. Z' and Higgs Boson Production Associated with a Top Quark Pair as a Probe of the $U(1)(B-L)$ Model at $e(+)e(-)$ Colliders. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2018, art. no. 8523854., Registrované v: WOS
107. [1.1] RAMIREZ-SANCHEZ, F. - GUTIERREZ-RODRIGUEZ, A. - HERNANDEZ-RUIZ, M. A. Higgs bosons production and decay at future $e(+)e(-)$ linear colliders as a probe of the B-L model. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 9, art. no. 095003., Registrované v: WOS
108. [1.1] RODRIGUEZ, Oscar - BENAVIDES, Richard H. - PONCE, William A. - ROJAS, Eduardo. Flipped versions of the universal 3-3-1 and the left-right symmetric models in $[SU(3)](3)$: A comprehensive approach. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 014009., Registrované v: WOS
109. [1.1] SAJJAD, Aqil. Understanding diboson anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055028., Registrované v: WOS
110. [1.1] SOUMYA, C. - MOHANTA, R. Impact of lepton flavor universality violation on CP-violation sensitivity of long-baseline neutrino oscillation experiments. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 1, art. no. 32., Registrované v: WOS
111. [1.1] THAMM, Andrea - TORRE, Riccardo - WULZER, Andrea. Composite Heavy Vector Triplet in the ATLAS Diboson Excess. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 22, art. no. 221802., Registrované v: WOS

ADCA902 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for high-mass diphoton resonances in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Physical Review D*, 2015, vol. 92, no. 3, art. no. 032004. (2014: 4.643 - IF, Q1 - JCR, 2.414 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.92.032004>

Ohlasy:

1. [1.1] ALTMANNSHOFER, Wolfgang - GALLOWAY, Jamison - GORI, Stefania - KAGAN, Alexander L. - MARTIN, Adam - ZUPAN, Jure. 750 GeV diphoton excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 095015., Registrované v: WOS
2. [1.1] ANCHORDOQUI, Luis A. - ANTONIADIS, Ignatios - GOLDBERG, Haim - HUANG, Xing - LUESTH, Dieter - TAYLOR, Tomasz R. Update on 750 GeV diphotons from closed string states. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 759, pp. 223-228., Registrované v: WOS
3. [1.1] ANCHORDOQUI, Luis A. - ANTONIADIS, Ignatios - GOLDBERG, Haim - HUANG, Xing - LUEST, Dieter - TAYLOR, Tomasz R. 750 GeV diphotons from closed string states. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 755, pp. 312-315., Registrované v: WOS
4. [1.1] ANTONIADIS, I. Aspects of string phenomenology in particle physics and cosmology. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 02003., Registrované v: WOS
5. [1.1] ARBUZOV, Boris A. - ZAITSEV, Ivan V. On a possibility of a consistent interpretation of diboson excesses at LHC. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 26, art. no. 1650144., Registrované v: WOS
6. [1.1] ARBUZOV, Boris A. - ZAITSEV, Ivan V. Upgraded LHC experiments as a check of non-perturbative effects of the Electro-Weak Interaction. In 19TH INTERNATIONAL SEMINAR ON HIGH ENERGY PHYSICS (QUARKS-2016). ISSN 2100-014X, 2016, vol. 125, art. no. UNSP 02002., Registrované v: WOS
7. [1.1] ARUN, Mathew Thomas - CHOUDHURY, Debajyoti. Stabilization of moduli in spacetime with nested warping and the UED. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 923, pp. 258-276., Registrované v: WOS
8. [1.1] ARUN, Mathew Thomas - SAHA, Pratishruti. Gravitons in multiply warped scenarios: At 750 GeV and beyond. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2017, vol. 88, no. 6, art. no. 93., Registrované v: WOS
9. [1.1] AYALA, A. - TORRES, M.A.A. - CUAUTLE, E. - DOMINGUEZ, I. - SANCHEZ, M.A.F. - MALDONADO, I. - MORENO-BARBOSA, E. - NIETO-MARIN, P.A. - RODRIGUEZ-CAHUANTZI, M. - SALINAS, J. - TEJEDA-YEOMANS, M.E. - VALENZUELA-CAZARES, L. Core meets corona: A two-component source to explain Lambda and (Lambda)over-bar global polarization in semi-central heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, NOV 10 2020, vol. 810., Registrované v: WOS
10. [1.1] BAUER, Martin - SCHELL, Torben - PLEHN, Tilman. Hunting the flavon. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 056003., Registrované v: WOS
11. [1.1] BELLAZZINI, Brando - RIVA, Francesco. New phenomenological and theoretical perspective on anomalous ZZ and Z gamma processes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095021., Registrované v: WOS
12. [1.1] BI, Xiao-Jun - XIANG, Qian-Fei - YIN, Peng-Fei - YU,

Zhao-Huan. The 750 GeV diphoton excess at the LHC and dark matter constraints. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 909, pp. 43-64., Registrované v: WOS

13. [1.1] BUCKLEY, Matthew R. Wide or narrow? The phenomenology of 750 GeV diphotons. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 6, pp. 1-18., Registrované v: WOS

14. [1.1] CACCIAPAGLIA, Giacomo - DEANDREA, Aldo - HASHIMOTO, Michio. Scalar Hint from the Diboson Excess? In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 17, art. no. 171802., Registrované v: WOS

15. [1.1] CAO, Junjie - HAN, Chengcheng - SHANG, Liangliang - SU, Wei - YANG, Jin Min - ZHANG, Yang. Interpreting the 750 GeV diphoton excess by the singlet extension of the Manohar-Wise model. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 755, pp. 456-463., Registrované v: WOS

16. [1.1] CASAS, J. A. - ESPINOSA, J. R. - MORENO, J. M. The 750 GeV diphoton excess as a first light on supersymmetry breaking. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 759, pp. 159-165., Registrované v: WOS

17. [1.1] COX, Peter - MEDINA, Anibal D. - RAY, Tirtha Sankar - SPRAY, Andrew. Implications of diphoton searches for a radion in the bulk-Higgs scenario. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 4, art. no. 1750020., Registrované v: WOS

18. [1.1] CSAKI, Csaba - HUBISZ, Jay - TERNING, John. Minimal model of a diphoton resonance: Production without gluon couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 035002., Registrované v: WOS

19. [1.1] DANIELSSON, Ulf - ENBERG, Rikard - INGELMAN, Gunnar - MANDAL, Tanumoy. Heavy photophilic scalar at the LHC from a varying electromagnetic coupling. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 919, pp. 569-582., Registrované v: WOS

20. [1.1] DAVOUDIASL, Hooman - ZHANG, Cen. 750 GeV messenger of dark conformal symmetry breaking. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055006., Registrované v: WOS

21. [1.1] DE ROMERI, Valentina - KIM, Jong Soo - MARTIN-LOZANO, Victor - ROLBIECKI, Krzysztof - RUIZ DE AUSTRI, Roberto. Confronting dark matter with the diphoton excess from a parent resonance decay. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 262., Registrované v: WOS

22. [1.1] DEMIDOV, S. V. - GORBUNOV, D. S. On the sgoldstino interpretation of the diphoton excess. In JETP LETTERS. ISSN 0021-3640, 2016, vol. 103, no. 4, pp. 219-222., Registrované v: WOS

23. [1.1] DEV, P. S. Bhupal - TERESI, Daniele. Asymmetric dark matter in the Sun and diphoton excess at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 2, art. no. 025001., Registrované v: WOS

24. [1.1] DI IURA, Andrea - HERRERO-GARCIA, Juan - MELONI, Davide. Phenomenology of SU(5) low-energy realizations: The diphoton excess and Higgs flavor violation. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 911, pp. 388-424., Registrované v: WOS

25. [1.1] DILLON, Barry M. - SANZ, Veronica. Kaluza-Klein gravitons at LHC2. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035008., Registrované v: WOS
26. [1.1] DING, Ran - HUANG, Li - LI, Tianjun - ZHU, Bin. Interpreting 750 GeV diphoton excess with R-parity violating supersymmetry. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 2-3, art. no. 1750014., Registrované v: WOS
27. [1.1] DOMINGO, Florian - HEINEMEYER, Sven - KIM, Jong Soo - ROLBIECKI, Krzysztof. The NMSSM lives: with the 750 GeV diphoton excess. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 249., Registrované v: WOS
28. [1.1] GENG, Chao-Qiang - HUANG, Da. Note on spin-2 particle interpretation of the 750 GeV diphoton excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115032., Registrované v: WOS
29. [1.1] GHILENCEA, D. M. - LEE, Hyun Min. Bounds on supersymmetric effective operators from heavy diphoton searches. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2017, vol. 32, no. 13, art. no. 1750082., Registrované v: WOS
30. [1.1] GHOSH, K. - KARABACAK, D. - NANDI, S. Universal Extra Dimension models with gravity mediated decays after LHC Run II data. In PHYSICS LETTERS B. ISSN 0370-2693, JAN 10 2019, vol. 788, p. 388-395., Registrované v: WOS
31. [1.1] GIDDINGS, Steven B. - ZHANG, Hao. Kaluza-Klein graviton phenomenology for warped compactifications, and the 750 GeV diphoton excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115002., Registrované v: WOS
32. [1.1] HAN, Chengcheng - LEE, Hyun Min - PARK, Myeonghun - SANZ, Veronica. The diphoton resonance as a gravity mediator of dark matter. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 755, pp. 371-379., Registrované v: WOS
33. [1.1] HARIGAYA, Keisuke - NOMURA, Yasunori. Composite models for the 750GeV diphoton excess. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 754, pp. 151-156., Registrované v: WOS
34. [1.1] HAUENSTEIN, F. - BORODINA, E. - CLEMENT, H. - DOROSHKEVICH, E. - DZHYGADLO, R. - EHRHARDT, K. - EYRICH, W. - GAST, W. - GILLITZER, A. - GRZONKA, D. - JOWZAE, S. - KLAJA, P. - KOBER, L. - KILIAN, K. - KRAPP, M. - MERTENS, M. - MOSKAL, P. - RITMAN, J. - RODEBURG, E. - ROEDER, M. - SCHROEDER, W. - SEFZICK, T. - SMYRSKI, J. - WINTZ, P. - WUESTNER, P. Measurement of polarization observables of the associated strangeness production in proton proton interactions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 11, art. no. 337., Registrované v: WOS
35. [1.1] HOLDOM, Bob - RATZLAFF, Melissa. Heavy Higgs decay to $t\bar{t}$ and constraints on a 750 GeV pseudoscalar. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015020., Registrované v: WOS
36. [1.1] CHALA, Mikael - DUERR, Michael - KAHLHOEFER, Felix - SCHMIDT-HOBERG, Kai. Tricking Landau-Yang: How to obtain the diphoton excess from a vector resonance. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 755, pp. 145-149., Registrované v: WOS

37. [1.1] CHALA, Mikael - GROJEAN, Christophe - RIEMBAU, Marc - VANTALON, Thibaud. Deciphering the CP nature of the 750 GeV resonance. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 760, pp. 220-227., Registrované v: WOS
38. [1.1] CHANG, Spencer. Simple U(1) gauge theory explanation of the diphoton excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055016., Registrované v: WOS
39. [1.1] CHAO, Wei. Neutrino catalyzed diphoton excess. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 911, pp. 231-245., Registrované v: WOS
40. [1.1] CHAO, Wei. Symmetries behind the 750 GeV diphoton excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115013., Registrované v: WOS
41. [1.1] CHIANG, Cheng-Wei - KUO, An-Li. Can the 750-GeV diphoton resonance be the singlet Higgs boson of custodial Higgs triplet model? In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 760, pp. 634-640., Registrované v: WOS
42. [1.1] CHOUDHURY, Debajyoti - GHOSH, Kirtiman. Bounds on universal extra dimension from LHC run I and II data. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 763, pp. 155-160., Registrované v: WOS
43. [1.1] IRELAND, D.G. - DORING, M. - GLAZIER, D.I. - HAIDENBAUER, J. - MAI, M. - MURRAY-SMITH, R. - RONCHEN, D. Kaon Photoproduction and the Lambda Decay Parameter $\alpha(-)$. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, OCT 28 2019, vol. 123, no. 18., Registrované v: WOS
44. [1.1] KAWAMURA, Junichiro - OMURA, Yuji. Diphoton excess at 750 GeV and LHC constraints in models with vectorlike particles. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115011., Registrované v: WOS
45. [1.1] KHATIBI, Sara - NAJAFABADI, Mojtaba Mohammadi. Constraints on top quark flavor changing neutral currents using diphoton events at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 909, pp. 607-618., Registrované v: WOS
46. [1.1] KIM, Jong Soo - REUTER, Juergen - ROLBIECKI, Krzysztof - RUIZ DE AUSTRI, Roberto. A resonance without resonance: Scrutinizing the diphoton excess at 750 GeV. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 755, pp. 403-408., Registrované v: WOS
47. [1.1] KIM, Jong Soo - ROLBIECKI, Krzysztof - RUIZ DE AUSTRI, Roberto. Model-independent combination of diphoton constraints at 750 GeV. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 251., Registrované v: WOS
48. [1.1] KNAPEN, Simon - MELIA, Tom - PAPUCCI, Michele - ZUREK, Kathryn M. Rays of light from the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075020., Registrované v: WOS
49. [1.1] KOBAKHIDZE, Archil - MCDONALD, Kristian L. - WU, Lei - YUE, Jason. Warped graviton couplings to bulk vectors with brane-localized kinetic terms. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 33, art. no. 1745004., Registrované v: WOS
50. [1.1] KO, P. - YU, Chaehyun - YUAN, Tzu-Chiang. Probing a new strongly interacting sector via composite diboson resonances. In PHYSICAL

- REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115034.,
Registrované v: WOS
51. [1.1] KROLIKOWSKI, Wojciech. COUPLING OF HIDDEN SECTOR. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 9, pp. 2125-2133., Registrované v: WOS
52. [1.1] LIU, Ning - WANG, Wenyu - ZHANG, Mengchao - ZHENG, Rui. 750 GeV diphoton resonance in a vector-like extension of Hill model at a 100 TeV hadron collider. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 25, art. no. 1650145., Registrované v: WOS
53. [1.1] LI, Gang - MAO, Ying-nan - TANG, Yi-Lei - ZHANG, Chen - ZHOU, Yang - ZHU, Shou-hua. Pseudoscalar Decaying Only via Loops as an Explanation for the 750 GeV Diphoton Excess. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 15, art. no. 151803., Registrované v: WOS
54. [1.1] LOPEZ-OSORIO, M.A. - MARTINEZ-PASCUAL, E. - NAPOLES-CANEDO, G.I. - TOSCANO, J.J. One-Loop order effects from one extra universal dimension on $\lambda(4)$ theory. In JOURNAL OF PHYSICS COMMUNICATIONS. ISSN 2399-6528, NOV 2020, vol. 4, no. 11., Registrované v: WOS
55. [1.1] MARTINEZ-PASCUAL, E. - NAPOLES-CANEDO, G. - NOVALES-SANCHEZ, H. - SIERRA-MARTINEZ, A. - TOSCANO, J.J. Implications of extra dimensions on the effective charge and the beta function in quantum electrodynamics. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 25 2020, vol. 101, no. 3., Registrované v: WOS
56. [1.1] MATSUZAKI, Shinya - YAMAWAKI, Koichi. 750 GeV diphoton signal from one-family walking technipion. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 17, art. no. 1630016., Registrované v: WOS
57. [1.1] MCDERMOTT, Samuel D. - MEADE, Patrick - RAMANI, Harikrishnan. Singlet scalar resonances and the diphoton excess. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 755, pp. 353-357., Registrované v: WOS
58. [1.1] METZ, A. - VOSSEN, A. Parton fragmentation functions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 91, pp. 136-202., Registrované v: WOS
59. [1.1] MOLINARO, Emiliano - SANNINO, Francesco - VIGNAROLI, Natascia. Collider tests of (composite) diphoton resonances. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 911, pp. 106-126., Registrované v: WOS
60. [1.1] MOLINARO, Emiliano - SANNINO, Francesco - VIGNAROLI, Natascia. Minimal composite dynamics versus axion origin of the diphoton excess. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 26, art. no. 1650155., Registrované v: WOS
61. [1.1] NOMURA, Takaaki - OKADA, Hiroshi. Generalized Zee-Babu model with 750 GeV diphoton resonance. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 756, pp. 295-302., Registrované v: WOS
62. [1.1] NOMURA, Takaaki - OKADA, Hiroshi. Four-loop neutrino model inspired by diphoton excess at 750 GeV. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 755, pp. 306-311., Registrované v: WOS

63. [1.1] PETERSSON, Christoffer - TORRE, Riccardo. 750 GeV Diphoton Excess from the Goldstino Superpartner. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 15, art. no. 151804., Registrované v: WOS
64. [1.1] TIAN, Junping - FUJII, Keisuke - YOKOYA, Hiroshi. Diphoton resonances at the ILC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 095015., Registrované v: WOS

ADCA903 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for high-mass new phenomena in the dilepton final state using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Physics Letters B*, 2016, vol. 761, p. 372-392. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2016.08.055>

Ohlasy:

1. [1.1] ACCOMANDO, Elena - FIASCHI, Jun - HAUTMANN, Francesco - MORETTI, Stefano - SHEPHERD-THEMISTOCLEOUS, Claire H. The effect of real and virtual photons in the di-lepton channel at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 770, pp. 1-7., Registrované v: WOS
2. [1.1] ACCOMANDO, E. - FIASCHI, J. - HAUTMANN, F. - MORETTI, S. - SHEPHERD-THEMISTOCLEOUS, C. H. Real and virtual photons effects in di-lepton production at the LHC. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2017, vol. 40, no. 5, art. no. 187., Registrované v: WOS
3. [1.1] ALIOLI, Simone - FARINA, Marco - PAPPADOPULO, Duccio - RUDERMAN, Joshua T. Catching a New Force by the Tail. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 10, art. no. 101801., Registrované v: WOS
4. [1.1] ALLANACH, B. C. - GRIPAIO, Ben - YOU, Tevong. The case for future hadron colliders from $B \rightarrow K^{(*)} \mu^{+} \mu^{-}$ decays. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 021., Registrované v: WOS
5. [1.1] ARANDA, J. I. - ESPINOSA-GOMEZ, D. - MONTANO, J. - QUEZADAS-VIVIAN, B. - RAMIREZ-ZAVALA, F. - TUTUTI, E. S. Flavor violation in chromo- and electromagnetic dipole moments induced by Z' gauge bosons and a brief revisit of the Standard Model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 116003., Registrované v: WOS
6. [1.1] ARANDA, J.I. - ESPINOSA-GOMEZ, D. - MONTANO, J. - RAMIREZ-ZAVALA, F. - TUTUTI, E.S. Rare decays of the top quark mediated by Z' gauge bosons and flavor violation. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, JUN 14 2020, vol. 35, no. 18., Registrované v: WOS
7. [1.1] ARCADI, Giorgio - DUTRA, Maira - GHOSH, Pradipta - LINDNER, Manfred - MAMBRINI, Yann - PIERRE, Mathias - PROFUMO, Stefano - QUEIROZ, Farinaldo S. The waning of the WIMP? A review of models, searches, and constraints. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 203., Registrované v: WOS
8. [1.1] ARCADI, Giorgio - LINDNER, Manfred - MAMBRINI, Yann -

PIERRE, Mathias - QUEIROZ, Farinaldo S. GUT models at current and future hadron colliders and implications to dark matter searches. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 771, pp. 508-514., Registrované v: WOS

9. [1.1] ARHRIB, Abdesslam - HUANG, Wei-Chih - RAMOS, Raymundo - TSAI, Yue-Lin Sming - YUAN, Tzu-Chiang. Consistency of a gauged two-Higgs-doublet model: Scalar sector. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095006., Registrované v: WOS

10. [1.1] BELANGER, Geneveve - DA SILVA, Jonathan - HIEU MINH TRAN. Dark matter in U(1) extensions of the MSSM with gauge kinetic mixing. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115017., Registrované v: WOS

11. [1.1] BILLARD, Julien - JOHNSTON, Joseph - KAVANAGH, Bradley J. Prospects for exploring New Physics in Coherent Elastic Neutrino-Nucleus Scattering. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 11, art. no. 016., Registrované v: WOS

12. [1.1] BISWAS, Anirban - CHOUBEY, Sandhya - KHAN, Sarif. Neutrino mass, leptogenesis and FIMP dark matter in a U(1)(B-L) model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 875., Registrované v: WOS

13. [1.1] BISWAS, Anirban - CHOUBEY, Sandhya - KHAN, Sarif. Inverse seesaw and dark matter in a gauged B L extension with flavour symmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 062., Registrované v: WOS

14. [1.1] BUCCIONI, F. - CAOLA, F. - DELTO, M. - JAQUIER, M. - MELNIKOV, K. - RONTSCH, R. Mixed QCD-electroweak corrections to on-shell Z production at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS

15. [1.1] CAMARGO, D.A. - DELLE ROSE, L. - MORETTI, S. - QUEIROZ, F.S. Collider bounds on 2-Higgs doublet models with U(1)(X) gauge symmetries. In PHYSICS LETTERS B. ISSN 0370-2693, JUN 10 2019, vol. 793, p. 150-160., Registrované v: WOS

16. [1.1] COLEPPA, Baradhwaj - KUMAR, Satendra - SARKAR, Agnivo. Fermiophobic gauge boson phenomenology in 221 models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095009., Registrované v: WOS

17. [1.1] DAS, A. - GOSWAMI, S. - VISHNUDATH, K.N. - NOMURA, T. Constraining a general U(1)' inverse seesaw model from vacuum stability, dark matter, and collider. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 20 2020, vol. 101, no. 5., Registrované v: WOS

18. [1.1] DE ROMERI, Valentina - FERNANDEZ-MARTINEZ, Enrique - GEHRLEIN, Julia - MACHADO, Pedro A. N. - NIRO, Viviana. Dark Matter and the elusive Z' in a dynamical Inverse Seesaw scenario. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 10, art. no. 169., Registrované v: WOS

19. [1.1] DEV, P. S. Bhupal - MOHAPATRA, Rabindra N. - ZHANG, Yongchao. Naturally stable right-handed neutrino dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 11, art. no. 077., Registrované v: WOS

20. [1.1] DEV, P. S. Bhupal - MOHAPATRA, Rabindra N. - ZHANG, Yongchao. Heavy right-handed neutrino dark matter in left-right models. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2017, vol. 32, no. 15, art. no. 1740007., Registrované v: WOS
21. [1.1] D'ERAMO, Francesco - KAVANAGH, Bradley J. - PANCI, Paolo. Probing leptophilic dark sectors with hadronic processes. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 771, pp. 339-348., Registrované v: WOS
22. [1.1] FRANK, Mariana - FUKS, Benjamin - HUITU, Katri - RAI, Santosh Kumar - WALTARI, Harri. Resonant slepton production and right sneutrino dark matter in left-right supersymmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 5, art. no. 015., Registrované v: WOS
23. [1.1] FUNATSU, Shuichiro - HATANAKA, Hisaki - HOSOTANI, Yutaka - ORIKASA, Yuta. Collider signals of W' and Z' bosons in the gauge-Higgs unification. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035032., Registrované v: WOS
24. [1.1] GUTIERREZ-RODRIGUEZ, A. - HERNANDEZ-RUIZ, M. A. Probing the Z' resonance and the Higgs boson production and decay in a $SU(3)_L \times U(1)_N$ model at future e^+e^- colliders. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 9, art. no. 352., Registrované v: WOS
25. [1.1] HATI, Chandan - PATRA, Sudhanwa - REIG, Mario - VALLE, Jose W. F. - VAQUERA-ARAUJO, C. A. Towards gauge coupling unification in left-right symmetric $SU(3)_C \times SU(3)_L \times SU(3)_R \times U(1)_X$ theories. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015004., Registrované v: WOS
26. [1.1] HICYILMAZ, Yasar - SOLMAZ, Levent - TANYILDIZI, Sukru Hanif - UN, Cem Salih. Least fine-tuned $U(1)$ extended SSM. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 933, pp. 275-298., Registrované v: WOS
27. [1.1] HICYILMAZ, Yasar - SELBUZ, Levent - SOLMAZ, Levent - UN, Cem Salih. Charged Higgs boson in MSSM and beyond. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115041., Registrované v: WOS
28. [1.1] CHAO, Wei - GUO, Huai-Ke - ZHANG, Yongchao. Majorana dark matter with B plus L gauge symmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, art. no. 034., Registrované v: WOS
29. [1.1] CHIANG, Cheng-Wei - TSENG, Po-Yan. Probing a dark photon using rare leptonic kaon and pion decays. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 767, pp. 289-294., Registrované v: WOS
30. [1.1] KALSI, Amandeep Kaur - SINGH, J. B. - BHATNAGAR, Vipin. Search for Z' Resonances Decaying to Tau Pairs in pp Collisions Using CMS Detector at the LHC. In XXII DAE HIGH ENERGY PHYSICS SYMPOSIUM. ISSN 0930-8989, 2018, vol. 203, pp. 443-445., Registrované v: WOS
31. [1.1] KING, Simon J. D. - KING, Stephen F. - MORETTI, Stefano. $SO(10)$ inspired Z' models at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115027., Registrované v: WOS
32. [1.1] KING, Stephen F. Flavourful Z' models for RK^* . In

JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 019., Registrované v: WOS

33. [1.1] KOZACZUK, Jonathan - MORRISSEY, David E. - STROBERG, S. R. Light axial vector bosons, nuclear transitions, and the Be-8 anomaly. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115024., Registrované v: WOS

34. [1.1] KO, P. - NOMURA, Takaaki - OKADA, Hiroshi. A flavor dependent gauge symmetry, predictive radiative seesaw and LHCb anomalies. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 772, pp. 547-552., Registrované v: WOS

35. [1.1] KUMAR, J. - LONDON, D. - WATANABE, R. Combined explanations of the $b \rightarrow s \mu^{(+)} \mu^{(-)}$ and $b \rightarrow c \tau^{(-)} \nu$ anomalies: A general model analysis. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 4 2019, vol. 99, no. 1., Registrované v: WOS

36. [1.1] MANDAL, Tanumoy - EKSTEDT, Andreas - ENBERG, Rikard - INGELMAN, Gunnar - LOFGREN, Johan. Exclusion Limits on Minimal Anomaly Free U(1) Extensions of the Standard Model. In XXII DAE HIGH ENERGY PHYSICS SYMPOSIUM. ISSN 0930-8989, 2018, vol. 203, pp. 243-246., Registrované v: WOS

37. [1.1] MEGIAS, Eugenie - QUIROS, Mariano - SALAS, Lindber. Lepton-flavor universality violation from warped space. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 7, art. no. 102., Registrované v: WOS

38. [1.1] MIRANDA, O.G. - PAPOULIAS, D.K. - GARCIA, G.S. - SANDERS, O. - TORTOLA, M. - VALLE, J.W.F. Implications of the first detection of coherent elastic neutrino-nucleus scattering (CEvNS) with liquid Argon. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 26 2020, no. 5., Registrované v: WOS

39. [1.1] NAM, C.H. U(1) extension of the standard model from short-distance structure of spacetime. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 3 2019, vol. 79, no. 5., Registrované v: WOS

40. [1.1] NOMURA, Takaaki - OKADA, Hiroshi - ORIKASA, Yuta. Radiative neutrino mass in alternative left-right model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 2, art. no. 103., Registrované v: WOS

41. [1.1] PENG, Jen-Chieh - QIU, Jian-Wei. The Drell-Yan Process. In UNIVERSE-TAIPEI. ISSN 2309-852X, 2016, vol. 4, no. 3, pp. 34-44., Registrované v: WOS

42. [1.1] SCHMALTZ, M. - ZHONG, Y.M. The leptoquark Hunter's guide: large coupling. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 15 2019, no. 1., Registrované v: WOS

43. [1.1] SINGH, Soram Robertson - MAWLONG, Barilang. 331-Z' mediated FCNC effects on $b \rightarrow d \mu^{(+)} \mu^{(-)}$ transitions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 36, art. no. 1850225., Registrované v: WOS

44. [1.1] SINGH, Soram Robertson - MAWLONG, Barilang - D'CRUZ, Ritu. Investigating the 331-Z' mediated FCNC effects on $b \rightarrow s \mu^{(-)}$ transitions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 21, art. no. 1850125., Registrované v: WOS

ADCA904 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for High-Mass Resonances Decaying to tau nu in pp Collisions at root s=13 TeV with the ATLAS Detector. In *Physical Review Letters*, 2018, vol. 120, no. 16, art. no. 161802. (2017: 8.839 - IF, Q1 - JCR, 3.622 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.120.161802>

Ohlasy:

1. [1.1] BAKER, M.J. - FUENTES-MARTIN, J. - ISIDORI, G. - KONIG, M. High-p(T) signatures in vector-leptoquark models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, APR 13 2019, vol. 79, no. 4., Registrované v: WOS
2. [1.1] BARDHAN, D. - GHOSH, D. B-meson charged current anomalies: The post-Moriond 2019 status. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 10 2019, vol. 100, no. 1., Registrované v: WOS
3. [1.1] BHATTACHERJEE, B. - KHAN, N. - PATRA, A. Anatomy of heavy gauge bosons in a left-right supersymmetric model. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 10 2019, vol. 100, no. 7., Registrované v: WOS
4. [1.1] CIRIGLIANO, V. - FALKOWSKI, A. - GONZALEZ-ALONSO, M. - RODRIGUEZ-SANCHEZ, A. Hadronic tau Decays as New Physics Probes in the LHC Era. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, JUN 7 2019, vol. 122, no. 22., Registrované v: WOS
5. [1.1] GOMEZ, J.D. - QUINTERO, N. - ROJAS, E. Charged current $b \rightarrow c \tau(\nu)/\bar{\tau}(\bar{\nu})$ anomalies in a general W' boson scenario. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 20 2019, vol. 100, no. 9., Registrované v: WOS
6. [1.1] GRELJO, A. - CAMALICH, J.M. - RUIZ-ALVAREZ, J.D. Mono-tau Signatures at the LHC Constrain Explanations of B-decay Anomalies. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, APR 5 2019, vol. 122, no. 13., Registrované v: WOS
7. [1.1] HOU, W.S. - MODAK, T. - WONG, G.G. Scalar leptoquark effects on $B \rightarrow \mu \nu$ decay. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
8. [1.1] HUE, L. T. - ARBUZOV, A. B. - HONG, T. T. - NGUYEN, T. Phong - SI, D. T. - LONG, H. N. General one-loop formulas for decay $h \rightarrow Z \gamma$. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 11, art. no. 885., Registrované v: WOS
9. [1.1] IGURO, S. - OMURA, Y. - TAKEUCHI, M. Test of the $R(D^{(*)})$ anomaly at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 12 2019, vol. 99, no. 7., Registrované v: WOS
10. [1.1] LUCHA, Wolfgang - MELIKHOV, Dmitri - SAZDJIAN, Hagop. Are there narrow flavor-exotic tetraquarks in large- N_c QCD? In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 094011., Registrované v: WOS
11. [1.1] MANDAL, T. - MITRA, S. - RAZ, S. $R(D^{(*)})$ motivated S-1 leptoquark scenarios: Impact of interference on the exclusion limits from LHC data. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 21 2019, vol. 99, no. 5., Registrované v: WOS

ADCA905 AAD, G. - ABAJYAN, T. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for high-mass resonances decaying to dilepton final states in pp collisions at root s=7 TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2012, no. 11, art. no. 138. (2011: 5.831 - IF, 1.902 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP11\(2012\)138](https://doi.org/10.1007/JHEP11(2012)138)

Ohlasy:

1. [1.1] ALIOLI, Simone - FARINA, Marco - PAPPADOPULO, Duccio - RUDERMAN, Joshua T. Catching a New Force by the Tail. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 10, art. no. 101801., Registrované v: WOS
2. [1.1] ARCADI, Giorgio - LINDNER, Manfred - MAMBRINI, Yann - PIERRE, Mathias - QUEIROZ, Farinaldo S. GUT models at current and future hadron colliders and implications to dark matter searches. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 771, pp. 508-514., Registrované v: WOS
3. [1.1] BARMAN, B. - BHANJA, T. - DAS, D. - MAITY, D. Minimal model of torsion mediated dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, APR 10 2020, vol. 101, no. 7., Registrované v: WOS
4. [1.1] NOTTENSTEINER, F. - ORDELL, A. - PASECHNIK, R. - SERODIO, H. Classification of anomaly-free 2HDMs with a gauged U(1)' symmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 23 2019, vol. 100, no. 11., Registrované v: WOS

ADCA906 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for charged Higgs bosons decaying into top and bottom quarks at root s=13TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2018, no. 11, art. no. 085. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP11\(2018\)085](https://doi.org/10.1007/JHEP11(2018)085)

Ohlasy:

1. [1.1] ALTMANNSHOFER, W. - MADDOCK, B. - TUCKLER, D. Rare top decays as probes of flavorful Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 8 2019, vol. 100, no. 1., Registrované v: WOS
2. [1.1] BAHL, H. - LIEBLER, S. - STEFANIAK, T. MSSM Higgs benchmark scenarios for Run 2 and beyond: the low tan region. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS
3. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
4. [1.1] HANSON, E. - KLEMM, W. - NARANJO, R. - PETERS, Y. - PILAFTSIS, A. Charged Higgs bosons in naturally aligned two-Higgs-doublet models at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 27 2019, vol. 100, no. 3., Registrované v: WOS
5. [1.1] HENG, Z.X. - GUO, L. - SUN, P.Q. - WEI, W. Charged Higgs bosons in the NMSSM under current LHC constraints. In MODERN PHYSICS

LETTERS A. ISSN 0217-7323, SEP 14 2019, vol. 34, no. 28., Registrované v: WOS

6. [1.1] LANE, K. - SHEPHERD, W. Natural stabilization of the Higgs boson's mass and alignment. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 12 2019, vol. 99, no. 5., Registrované v: WOS

7. [1.1] MIRALLES, V. - PICH, A. LHC bounds on colored scalars. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 24 2019, vol. 100, no. 11., Registrované v: WOS

8. [1.1] MODAK, T. Probing an additional bottom Yukawa coupling via $b\bar{g} \rightarrow b\bar{A} \rightarrow b\bar{Z}H$ signature. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 20 2019, vol. 100, no. 3., Registrované v: WOS

ADCA907 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for charged Higgs bosons decaying via H^{\pm}/τ in $t(\bar{t})$ events using pp collision data at $\sqrt{s}=7$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2012, no. 6, art. no. 039. (2011: 5.831 - IF, 1.902 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP06\(2012\)039](https://doi.org/10.1007/JHEP06(2012)039)

Ohlasy:

1. [1.1] AHMED, Ijaz - HASHEMI, Majid - TAJUDDIN, Wan Ahmad. The s-channel charged Higgs in the fully hadronic final state at LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, pp. 1-10., Registrované v: WOS

2. [1.1] AKEROYD, A. G. - MORETTI, Stefano - SONG, Muyuan. Light charged Higgs boson with dominant decay to quarks and its search at the LHC and future colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115024., Registrované v: WOS

3. [1.1] AKEROYD, A.G. - MORETTI, S. - SONG, M.Y. Light charged Higgs boson with dominant decay to a charm quark and a bottom quark and its search at LEP2 and future $e^{+}e^{-}$ colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 18 2020, vol. 101, no. 3., Registrované v: WOS

4. [1.1] ALVES, Daniele S. M. - FOX, Patrick J. - WEINER, Neal. Supersymmetry with a sister Higgs boson. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055003., Registrované v: WOS

5. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. - MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of heavy Higgs bosons decaying invisibly at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS

6. [1.1] ARHRIB, A. - BENBRIK, R. - EL FALAKI, J. - SAMPAIO, M. - SANTOS, R. Pseudoscalar decays to gauge bosons at the LHC and at a future 100 TeV collider. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 27 2019, vol. 99, no. 3., Registrované v: WOS

7. [1.1] BISWAS, Ambalika - LAHIRI, Amitabha. Masses of physical scalars in two Higgs doublet models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 115012., Registrované v: WOS

8. [1.1] BISWAS, Ambalika - LAHIRI, Amitabha. Alignment, reverse alignment, and wrong sign Yukawa couplings in two Higgs doublet models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115017., Registrované v: WOS

9. [1.1] DEGRANDE, Celine - FREDERIX, Rikkert - HIRSCHI, Valentin - UBIALI, Maria - WIESEMANN, Marius - ZARO, Marco. Accurate predictions for charged Higgs production: Closing the $m_H \pm m_t$ window. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 772, pp. 87-92., Registrované v: WOS
10. [1.1] GUTIERREZ-RODRIGUEZ, A. - HERNANDEZ-RUIZ, M. A. Probing the Z' resonance and the Higgs boson production and decay in a $SU(3)_C \times U(1)_N$ model at future e^+e^- colliders. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 9, art. no. 352., Registrované v: WOS
11. [1.1] KIDONAKIS, Nikolaos. Charged Higgs production in association with a top quark at approximate NNLO. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 014010., Registrované v: WOS
12. [1.1] LEBIEDOWICZ, Piotr - SZCZUREK, Antoni. Exclusive production of heavy charged Higgs boson pairs in the $pp \rightarrow ppH^{(\pm)}H^{(\mp)}$ reaction at the LHC and a future circular collider. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 095008., Registrované v: WOS
13. [1.1] MILEO, Nicolas - KIERS, Ken - SZYNKMAN, Alejandro. Probing sensitivity to charged scalars through partial differential widths: $\tau \rightarrow K \pi \pi \nu(\tau)$ decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 7, art. no. 073006., Registrované v: WOS
14. [1.1] MOYOTL, A. - TAVARES-VELASCO, G. - TOSCANO, J. J. CP-odd contributions to the $ZZ^*\gamma$, $ZZ\gamma^*$, and ZZZ^* vertices induced by nondiagonal charged scalar boson couplings. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 093005., Registrované v: WOS
15. [1.1] NEJAD, S.M.M. - ABBASPOUR, S. - FARASHAHIAN, R. Interference effects for the top quark decays $t \rightarrow b+W/H \rightarrow \tau+\nu(\tau)$. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 16 2019, vol. 99, no. 9., Registrované v: WOS
16. [1.1] SONMEZ, Nasuf. Charged Higgs pair production in association with the $Z(0)$ boson at electron-positron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 015015., Registrované v: WOS
17. [1.1] SONMEZ, Nasuf. Triple Higgs boson production in a $\gamma\gamma$ -collider at the future linear collider. In TURKISH JOURNAL OF PHYSICS. ISSN 1300-0101, 2018, vol. 42, no. 6, pp. 675-687., Registrované v: WOS
18. [1.1] THUC, T. T. - HUE, L. T. - LONG, H. N. - NGUYEN, T. Phong. Lepton flavor violating decay of SM-like Higgs boson in a radiative neutrino mass model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115026., Registrované v: WOS

ADCA908 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for charged Higgs bosons decaying via $H \rightarrow \tau^+\tau^-\nu(\tau)$ in the τ plus jets and τ plus lepton final states with 36 fb $^{-1}$ of pp collision data recorded at $\sqrt{s}=13$ TeV with the ATLAS experiment. In *Journal of High Energy Physics*, 2018, no. 9, art. no. 139. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP09\(2018\)139](https://doi.org/10.1007/JHEP09(2018)139)

Ohlasy:

1. [1.1] ABOUBRAHIM, Amin - NATH, Pran. Naturalness, the hyperbolic branch, and prospects for the observation of charged Higgs bosons at high luminosity LHC and 27 TeV LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095024., Registrované v: WOS
2. [1.1] AIKO, M. - KANEMURA, S. - MAWATARI, K. Exploring the global symmetry structure of the Higgs potential via same-sign pair production of charged Higgs bosons. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2019, vol. 797., Registrované v: WOS
3. [1.1] BAGNASCHI, E. - BAHL, H. - FUCHS, E. - HAHN, T. - HEINEMEYER, S. - LIEBLER, S. - PATEL, S. - SLAVICH, P. - STEFANIAK, T. - WAGNER, C.E.M. - WEIGLEIN, G. MSSM Higgs boson searches at the LHC: benchmark scenarios for Run 2 and beyond. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 20 2019, vol. 79, no. 7., Registrované v: WOS
4. [1.1] BAHL, H. - LIEBLER, S. - STEFANIAK, T. MSSM Higgs benchmark scenarios for Run 2 and beyond: the low tan region. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS
5. [1.1] HANSON, E. - KLEMM, W. - NARANJO, R. - PETERS, Y. - PILAFTSIS, A. Charged Higgs bosons in naturally aligned two-Higgs-doublet models at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 27 2019, vol. 100, no. 3., Registrované v: WOS
6. [1.1] HENG, Z.X. - GUO, L. - SUN, P.Q. - WEI, W. Charged Higgs bosons in the NMSSM under current LHC constraints. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, SEP 14 2019, vol. 34, no. 28., Registrované v: WOS
7. [1.1] HOU, G.W.S. Perspectives and outlook from HEP window on the universe. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, JAN 20 2019, vol. 34, no. 2., Registrované v: WOS
8. [1.1] LONG, H.N. - HOP, N.V. - HUE, L.T. - THAO, N.H. - HERNANDEZ, A.E.C. Some phenomenological aspects of the 3-3-1 model with the Carcamo-Kovalenko-Schmidt mechanism. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 8 2019, vol. 100, no. 1., Registrované v: WOS
9. [1.1] SONG, J. - YOON, Y.W. W gamma decay of the elusive charged Higgs boson in the two-Higgs-doublet model with vectorlike fermions. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 6 2019, vol. 100, no. 5., Registrované v: WOS

ADCA909 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for charged Higgs bosons decaying via $H \rightarrow \tau(\pm)\nu$ in fully hadronic final states using pp collision data at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2015, vol. 2015, no. 3, art. no. 088. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP03\(2015\)088](https://doi.org/10.1007/JHEP03(2015)088)

Ohlasy:

1. [1.1] AHMED, Ijaz - HASHEMI, Majid - TAJUDDIN, Wan Ahmad. The s-channel charged Higgs in the fully hadronic final state at LHC. In

- EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, pp. 1-10., Registrované v: WOS
2. [1.1] AKEROYD, A. G. - MORETTI, Stefano - SONG, Muyuan. Light charged Higgs boson with dominant decay to quarks and its search at the LHC and future colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115024., Registrované v: WOS
3. [1.1] AKEROYD, A.G. - MORETTI, S. - SONG, M.Y. Light charged Higgs boson with dominant decay to a charm quark and a bottom quark and its search at LEP2 and future $e^{(+)}e^{(-)}$ colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 18 2020, vol. 101, no. 3., Registrované v: WOS
4. [1.1] ALCAIDE, J. - MILEO, N.I. LHC sensitivity to singly charged scalars decaying into electrons and muons. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 23 2020, vol. 102, no. 7., Registrované v: WOS
5. [1.1] ALTMANNSHOFER, Wolfgang - MADDOCK, Brian. Flavorful two-Higgs-doublet models with a twist. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075005., Registrované v: WOS
6. [1.1] ALVES, Daniele S. M. - EL HEDRI, Sonia - TAKI, Anna Maria - WEINER, Neal. Charged Higgs signals in $t(t)\text{over-bar}H$ searches. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075032., Registrované v: WOS
7. [1.1] ARBEY, A. - MAHMOUDI, F. - STAL, O. - STEFANIAK, T. Status of the charged Higgs boson in two Higgs doublet models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 182., Registrované v: WOS
8. [1.1] ARCADI, Giorgio. 2HDM portal for singlet-doublet dark matter. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 10, art. no. 864., Registrované v: WOS
9. [1.1] ARHRIB, Abdesslam - BENBRIK, Rachid - ENBERG, Rikard - KLEMM, William - MORETTI, Stefano - MUNIR, Shoaib. Identifying a light charged Higgs boson at the LHC Run II. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 774, pp. 591-598., Registrované v: WOS
10. [1.1] ARHRIB, Abdesslam - JUEID, Adil - MORETTI, Stefano. Top quark polarization as a probe of charged Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115006., Registrované v: WOS
11. [1.1] ARHRIB, A. - BENBRIK, R. - HAROUIZ, H. - MORETTI, S. - WANG, Y. - YAN, Q.S. Implications of a light charged Higgs boson at the LHC run III in the 2HDM. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 30 2020, vol. 102, no. 11., Registrované v: WOS
12. [1.1] ARHRIB, A. - CHEUNG, K. - LU, C.T. Same-sign charged Higgs boson pair production in bosonic decay channels at the HL-LHC and HE-LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 25 2020, vol. 102, no. 9., Registrované v: WOS
13. [1.1] BAGNASCHI, E. - BAHL, H. - FUCHS, E. - HAHN, T. - HEINEMEYER, S. - LIEBLER, S. - PATEL, S. - SLAVICH, P. - STEFANIAK, T. - WAGNER, C.E.M. - WEIGLEIN, G. MSSM Higgs boson searches at the LHC: benchmark scenarios for Run 2 and beyond. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 20 2019, vol. 79, no. 7., Registrované v: WOS
14. [1.1] BAHL, H. - LIEBLER, S. - STEFANIAK, T. MSSM Higgs

benchmark scenarios for Run 2 and beyond: the low $\tan\beta$ region. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS

15. [1.1] BANDYOPADHYAY, Priyotosh - COSTANTINI, Antonio - CORIANO, Claudio. General analysis of the charged Higgs sector of the $Y=0$ triplet-singlet extension of the MSSM at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055030., Registrované v: WOS

16. [1.1] BARMAN, B. - BANIK, A.D. - PAUL, A. Singlet-doublet fermionic dark matter and gravitational waves in a two-Higgs-doublet extension of the Standard Model. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 24 2020, vol. 101, no. 5., Registrované v: WOS

17. [1.1] BARMAN, Rahool Kumar - BHATTACHERJEE, Biplob - CHAKRABORTY, Amit - CHOUDHURY, Arghya. Study of MSSM heavy Higgs bosons decaying into charginos and neutralinos. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075013., Registrované v: WOS

18. [1.1] BHATTACHERJEE, Biplob - CHAKRABORTY, Amit - CHOUDHURY, Arghya. Status of the MSSM Higgs sector using global analysis and direct search bounds, and future prospects at the High Luminosity LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 093007., Registrované v: WOS

19. [1.1] BHATTACHERJEE, Biplob - CHAKRABORTI, Manimala - CHAKRABORTY, Amit - CHATTOPADHYAY, Utpal - GHOSH, Dilip Kumar. Status of the 98-125 GeV Higgs bosons scenario with updated LHC-8 data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075004., Registrované v: WOS

20. [1.1] BUCKLEY, Matthew R. - FELD, David. Dark matter in leptophilic Higgs models after the LHC run I. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 075024., Registrované v: WOS

21. [1.1] CALISKAN, A. - KARA, S. O. - OZANSOY, A. Excited Muon Searches at the FCC-Based Muon-Hadron Colliders. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, art. no. 1540243., Registrované v: WOS

22. [1.1] CLARKE, Jackson D. - FOOT, Robert - VOLKAS, Raymond R. Natural leptogenesis and neutrino masses with two Higgs doublets. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 033006., Registrované v: WOS

23. [1.1] CLINE, James M. Scalar doublet models confront tau and b anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075017., Registrované v: WOS

24. [1.1] DAS, Dipankar - KUNDU, Anirban. Two hidden scalars around 125 GeV and $h \rightarrow \mu\tau$. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 015009., Registrované v: WOS

25. [1.1] DEGRANDE, Celine - FREDERIX, Rikkert - HIRSCHI, Valentin - UBIALI, Maria - WIESEMANN, Marius - ZARO, Marco. Accurate predictions for charged Higgs production: Closing the $m_H \pm$ similar to m_t window. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 772, pp. 87-92., Registrované v: WOS

26. [1.1] DEMIRCI, M. Precise predictions for charged Higgs boson pair production in photon-photon collisions. In NUCLEAR PHYSICS B. ISSN 0550-3213, DEC 2020, vol. 961., Registrované v: WOS

27. [1.1] DEY, U.K. - NOMURA, T. - OKADA, H. Inverse seesaw model with global $U(1)(H)$ symmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 11 2019, vol. 100, no. 7., Registrované v: WOS
28. [1.1] DORSCH, G. C. - HUBER, S. J. - MIMASU, K. - NO, J. M. Hierarchical versus degenerate 2HDM: The LHC run 1 legacy at the onset of run 2. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115033., Registrované v: WOS
29. [1.1] ENBERG, Rikard - KLEMM, William - MORETTI, Stefano - MUNIR, Shoab. Electroweak production of light scalar-pseudoscalar pairs from extended Higgs sectors. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 764, pp. 121-125., Registrované v: WOS
30. [1.1] GOPALAKRISHNA, Shrihari - MUKHERJEE, Tuhin Subhra - SADHUKHAN, Soumya. Status and prospects of the two-Higgs-doublet $SU(6)/Sp(6)$ little-Higgs model and the alignment limit. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015034., Registrované v: WOS
31. [1.1] GUCHAIT, Monoranjan - VIJAY, Aravind H. Probing heavy charged Higgs boson at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115028., Registrované v: WOS
32. [1.1] GUTIERREZ-RODRIGUEZ, A. - HERNANDEZ-RUIZ, M. A. Probing the Z' resonance and the Higgs boson production and decay in a $SU(3)(L)$ circle times $U(1)(N)$ model at future $e(+)e(-)$ colliders. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 9, art. no. 352., Registrované v: WOS
33. [1.1] CHANG, Sanghyeon - KANG, Sin Kyu - LEE, Jong-Phil - SONG, Jeonghyeon. Higgs potential and hidden light Higgs scenario in two Higgs doublet models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 075023., Registrované v: WOS
34. [1.1] KIDONAKIS, Nikolaos. Charged Higgs production in association with a top quark at approximate NNLO. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 014010., Registrované v: WOS
35. [1.1] KOWALSKA, K. - SESSOLO, E.M. - YAMAMOTO, Y. Constraints on charmphilic solutions to the muon $g-2$ with leptiquarks. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 11 2019, vol. 99, no. 5., Registrované v: WOS
36. [1.1] KRAUSE, Marcel - MUEHLLEITNER, Margarete - SANTOS, Rui - ZIESCHE, Hanna. Higgs-to-Higgs boson decays in a 2HDM at next-to-leading order. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075019., Registrované v: WOS
37. [1.1] KRIBS, G.D. - MARTIN, A. - OSTDIEK, B. - TONG, T. Dark mesons at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 23 2019, no. 7., Registrované v: WOS
38. [1.1] LEBIEDOWICZ, Piotr - SZCZUREK, Antoni. Exclusive production of heavy charged Higgs boson pairs in the $pp \rightarrow ppH(+)H(-)$ reaction at the LHC and a future circular collider. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 095008., Registrované v: WOS
39. [1.1] NOMURA, T. - OKADA, H. Muon anomalous magnetic moment, Z boson decays, and collider physics in multicharged particles. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 27 2020, vol. 101, no. 1., Registrované v: WOS
40. [1.1] OZANSOY, A. Doubly Charged Lepton Search Potential of the

FCC-Based Energy-Frontier Electron-Proton Colliders. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, JUN 5 2020, vol. 2020., Registrované v: WOS

41. [1.1] PROFUMO, Stefano - STEFANIAK, Tim. Alignment without decoupling: The portal to light dark matter in the MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 095020., Registrované v: WOS

42. [1.1] SANYAL, P. Limits on the charged Higgs parameters in the two Higgs doublet model using CMS root $s=13$ TeV results. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS

43. [1.1] SETO, Osamu. Large invisible decay of a Higgs boson to neutrinos. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 073005., Registrované v: WOS

44. [1.1] SCHMIDT, Timo - SPIRA, Michael. Higgs boson production via gluon fusion: Soft-gluon resummation including mass effects. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 014022., Registrované v: WOS

45. [1.1] SONG, J. - YOON, Y.W. W gamma decay of the elusive charged Higgs boson in the two-Higgs-doublet model with vectorlike fermions. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 6 2019, vol. 100, no. 5., Registrované v: WOS

ADCA910 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Search for Charged Higgs Bosons in Decays of Top Quarks in pp Collisions at $s=1.96$ TeV. In *Physical Review Letters*, 2009, vol. 103, no. 10, art. no. 101803. (2008: 7.180 - IF, Q1 - JCR, 6.194 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.103.101803>

Ohlasy:

1. [1.1] BOOS, E. E. - BRANDT, O. E. - DENISOV, D. S. - DENISOV, S. P. - GRANNIS, P. D. The top quark (20 years after its discovery). In PHYSICS-USPEKHI. ISSN 1063-7869, 2015, vol. 58, no. 12, pp. 1133-1158., Registrované v: WOS

2. [1.1] DEGRANDE, Celine - UBIALI, Maria - WIESEMANN, Marius - ZARO, Marco. Heavy charged Higgs boson production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 10, art. no. 145., Registrované v: WOS

3. [1.1] DENISOV, Dmitri - VELLIDIS, Costas. The TOP QUARK, 20 years after its discovery. In PHYSICS TODAY. ISSN 0031-9228, 2015, vol. 68, no. 4, pp. 46-52., Registrované v: WOS

4. [1.1] DOMINGO, Florian. A new tool for the study of the CP-violating NMSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 052., Registrované v: WOS

5. [1.1] FLECHL, Martin - KLEES, Richard - KRAEMER, Michael - SPIRA, Michael - UBIALI, Maria. Improved cross-section predictions for heavy charged Higgs boson production at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 7, art. no. 075015., Registrované v: WOS

6. [1.1] HOLLIK, Wolfgang - PASSEHR, Sebastian. Two-loop top-Yukawa-coupling corrections to the charged Higgs-boson mass in the

MSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 7, art. no. 336., Registrované v: WOS

ADCA911 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for charged Higgs bosons in the $H^{\pm/\pm} \rightarrow tb$ decay channel in pp collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. In *Journal of High Energy Physics*, 2016, vol. 2016, no. 3, art. no. 127. (2015: 6.023 - IF, Q1 - JCR, 1.343 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP03\(2016\)127](https://doi.org/10.1007/JHEP03(2016)127)

Ohlasy:

1. [1.1] ALTMANNSHOFER, Wolfgang - MADDOCK, Brian. Flavorful two-Higgs-doublet models with a twist. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075005., Registrované v: WOS
2. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. - MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of heavy Higgs bosons decaying invisibly at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS
3. [1.1] ARHRIB, Abdesslam - BENBRIK, Rachid - MORETTI, Stefano - SANTOS, Rui - SHARMA, Pankaj. Signal to background interference in $pp \rightarrow tH \rightarrow tW(b\bar{b})$ at the LHC Run II. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075037., Registrované v: WOS
4. [1.1] ARHRIB, A. - CHEUNG, K. - LU, C.T. Same-sign charged Higgs boson pair production in bosonic decay channels at the HL-LHC and HE-LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 25 2020, vol. 102, no. 9., Registrované v: WOS
5. [1.1] BAGNASCHI, E. - BAHL, H. - FUCHS, E. - HAHN, T. - HEINEMEYER, S. - LIEBLER, S. - PATEL, S. - SLAVICH, P. - STEFANIAK, T. - WAGNER, C.E.M. - WEIGLEIN, G. MSSM Higgs boson searches at the LHC: benchmark scenarios for Run 2 and beyond. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 20 2019, vol. 79, no. 7., Registrované v: WOS
6. [1.1] BAHL, H. - LIEBLER, S. - STEFANIAK, T. MSSM Higgs benchmark scenarios for Run 2 and beyond: the low $\tan\beta$ region. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS
7. [1.1] BARMAN, R.K. - BHATTACHERJEE, B. - CHOUDHURY, A. - CHOWDHURY, D. - LAHIRI, J. - RAY, S. Current status of MSSM Higgs sector with LHC 13 TeV data. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, APR 2019, vol. 134, no. 4., Registrované v: WOS
8. [1.1] BIAN, Ligong - CHEN, Ning - ZHANG, Yongchao. CP violation effects in the diphoton spectrum of heavy scalars. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 095008., Registrované v: WOS
9. [1.1] BIAN, Ligong - LEE, Hyun Min - PARK, Chan Beom. B-meson anomalies and Higgs physics in flavored $U(1)'$ model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 306., Registrované v: WOS
10. [1.1] COLEPPA, B. - SARKAR, A. - RAI, S.K. Charged Higgs boson discovery prospects. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 25

2020, vol. 101, no. 5., Registrované v: WOS

11. [1.1] DAWSON, S. - ENGLERT, C. - PLEHN, T. Higgs physics: It ain't over till it is over. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, JUL 3 2019, vol. 816, p. 1-85., Registrované v: WOS

12. [1.1] DEGRANDE, Celine - FREDERIX, Rikkert - HIRSCHI, Valentin - UBIALI, Maria - WIESEMANN, Marius - ZARO, Marco. Accurate predictions for charged Higgs production: Closing the $m_H \pm$ similar to m_t window. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 772, pp. 87-92., Registrované v: WOS

13. [1.1] DROR, J.A. - LASENBY, R. - POSPELOV, M. Light vectors coupled to bosonic currents. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 12 2019, vol. 99, no. 5., Registrované v: WOS

14. [1.1] DUTTA, S. - GOYAL, A. - SINGH, M.P. Lepto-philic 2-HDM + singlet scalar portal induced fermionic dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 15 2019, no. 7., Registrované v: WOS

15. [1.1] GUCHAIT, Monoranjan - VIJAY, Aravind H. Probing heavy charged Higgs boson at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115028., Registrované v: WOS

16. [1.1] GURSKAYA, A. V. - DOLGOPOLOV, M. V. - RYKOVA, E. N. Higgs bosons in standard model extensions. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, 2017, vol. 48, no. 5, pp. 822-826., Registrované v: WOS

17. [1.1] GUTIERREZ-RODRIGUEZ, A. - HERNANDEZ-RUIZ, M. A. Probing the Z' resonance and the Higgs boson production and decay in a $SU(3)_C \times U(1)_Y$ model at future e^+e^- colliders. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 9, art. no. 352., Registrované v: WOS

18. [1.1] KIRCA, Z. - UN, C.S. - ALTIN, Z. Associated Production of Charged Higgs Boson and Heavy Top Quark in the Left-Right Twin Higgs Model at High Energy e^+e^- Collider. In 10TH JUBILEE CONFERENCE OF THE BALKAN PHYSICAL UNION. ISSN 0094-243X, 2019, vol. 2075., Registrované v: WOS

19. [1.1] KRAUSE, Marcel - MUEHLLEITNER, Margarete - SANTOS, Rui - ZIESCHE, Hanna. Higgs-to-Higgs boson decays in a 2HDM at next-to-leading order. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075019., Registrované v: WOS

20. [1.1] NIERSTE, U. - TABET, M. - ZIEGLER, R. Cornering Spontaneous CP Violation with Charged-Higgs-Boson Searches. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, JUL 13 2020, vol. 125, no. 3., Registrované v: WOS

21. [1.1] OBIKHOD, T.V. - PETRENKO, E.A. THE STUDY OF THE PROPERTIES OF THE EXTENDED HIGGS BOSON SECTOR WITHIN hMSSM MODEL. In PROBLEMS OF ATOMIC SCIENCE AND TECHNOLOGY. ISSN 1562-6016, 2019, no. 3, p. 3-10., Registrované v: WOS

22. [1.1] PAPAESTATHIOU, Andreas - TETLALMATZI-XOLOCOTZI, Gilberto. Rare top quark decays at a 100 TeV proton-proton collider: $t \rightarrow bWZ$ and $t \rightarrow hc$. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 214., Registrované

v: WOS

23. [1.1] PEDERSEN, Keith - SULLIVAN, Zack. Probing the two-Higgs-doublet wedge region with charged Higgs boson decays to boosted jets. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035037., Registrované v: WOS

24. [1.1] SANYAL, P. Limits on the charged Higgs parameters in the two Higgs doublet model using CMS root s=13 TeV results. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS

25. [1.1] SONG, J. - YOON, Y.W. W gamma decay of the elusive charged Higgs boson in the two-Higgs-doublet model with vectorlike fermions. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 6 2019, vol. 100, no. 5., Registrované v: WOS

26. [1.1] TRIPATHEE, Aashish - XUE, Wei - LARKOSKI, Andrew - MARZANI, Simone - THALER, Jesse. Jet substructure studies with CMS open data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074003., Registrované v: WOS

ADCA912 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for charged Higgs bosons produced in association with a top quark and decaying via $H^{\pm} \rightarrow \tau \nu$ using pp collision data recorded at root s=13 TeV by the ATLAS detector. In *Physics Letters B*, 2016, vol. 759, p. 555-574. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2016.06.017>

Ohlasy:

1. [1.1] ALTMANNSHOFER, Wolfgang - EBY, Joshua - GORI, Stefania - LOTITO, Matteo - MARTONE, Mario - TUCKLER, Douglas. Collider signatures of flavorful Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 115032., Registrované v: WOS

2. [1.1] ALTMANNSHOFER, Wolfgang - MADDOCK, Brian. Flavorful two-Higgs-doublet models with a twist. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075005., Registrované v: WOS

3. [1.1] ALVES, Daniele S. M. - EL HEDRI, Sonia - TAKI, Anna Maria - WEINER, Neal. Charged Higgs signals in $t(\bar{t}) \rightarrow H^{\pm} \tau^{\pm} \nu$ searches. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075032., Registrované v: WOS

4. [1.1] ARBEY, A. - MAHMOUDI, F. - STAL, O. - STEFANIAK, T. Status of the charged Higgs boson in two Higgs doublet models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 182., Registrované v: WOS

5. [1.1] ARCADI, Giorgio. 2HDM portal for singlet-doublet dark matter. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 10, art. no. 864., Registrované v: WOS

6. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. - MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of heavy Higgs bosons decaying invisibly at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS

7. [1.1] ARHRIB, Abdesslam - BENBRIK, Rachid - MORETTI,

- Stefano - SANTOS, Rui - SHARMA, Pankaj. Signal to background interference in $pp \rightarrow t\bar{t} \rightarrow t\bar{t} b\bar{b}$ at the LHC Run II. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075037., Registrované v: WOS
8. [1.1] ARHRIB, A. - AZEVEDO, D. - BENBRIK, R. - HAROUIZ, H. - MORETTI, S. - PATRICK, R. - SANTOS, R. Signal versus background interference in $H \rightarrow t\bar{t}$ signals for MSSM benchmark scenarios. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 30 2020, no. 10., Registrované v: WOS
9. [1.1] ARHRIB, A. - BENBRIK, R. - HAROUIZ, H. - MORETTI, S. - WANG, Y. - YAN, Q.S. Implications of a light charged Higgs boson at the LHC run III in the 2HDM. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 30 2020, vol. 102, no. 11., Registrované v: WOS
10. [1.1] ARHRIB, A. - CHEUNG, K. - LU, C.T. Same-sign charged Higgs boson pair production in bosonic decay channels at the HL-LHC and HE-LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 25 2020, vol. 102, no. 9., Registrované v: WOS
11. [1.1] BANDYOPADHYAY, Priyotosh - COSTANTINI, Antonio. Distinguishing charged Higgs bosons from different representations at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 1, art. no. 067., Registrované v: WOS
12. [1.1] BANDYOPADHYAY, P. - CHUN, E.J. - MANDAL, R. Phenomenology of Higgs bosons in inverse seesaw model with Type-X two Higgs doublet at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 29 2019, no. 8., Registrované v: WOS
13. [1.1] BARMAN, Rahool Kumar - BHATTACHERJEE, Biplob - CHAKRABORTY, Amit - CHOUDHURY, Arghya. Study of MSSM heavy Higgs bosons decaying into charginos and neutralinos. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075013., Registrované v: WOS
14. [1.1] BARMAN, R.K. - BHATTACHERJEE, B. - CHOUDHURY, A. - CHOWDHURY, D. - LAHIRI, J. - RAY, S. Current status of MSSM Higgs sector with LHC 13 TeV data. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, APR 2019, vol. 134, no. 4., Registrované v: WOS
15. [1.1] BAUER, Martin - KLASSEN, Martin - TENORTH, Valentin. Universal properties of pseudoscalar mediators in dark matter extensions of 2HDMs. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 107., Registrované v: WOS
16. [1.1] BIAN, Ligong - CHEN, Ning - ZHANG, Yongchao. CP violation effects in the diphoton spectrum of heavy scalars. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 095008., Registrované v: WOS
17. [1.1] BOTELLA, F.J. - CORNET-GOMEZ, F. - NEBOT, M. Electron and muon $g-2$ anomalies in general flavor conserving two-Higgs-doublet models. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 24 2020, vol. 102, no. 3., Registrované v: WOS
18. [1.1] COLEPPA, B. - SARKAR, A. - RAI, S.K. Charged Higgs boson discovery prospects. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 25 2020, vol. 101, no. 5., Registrované v: WOS
19. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS

20. [1.1] DAWSON, S. - ENGLERT, C. - PLEHN, T. Higgs physics: It ain't over till it is over. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, JUL 3 2019, vol. 816, p. 1-85., Registrované v: WOS
21. [1.1] DEGRANDE, Celine - FREDERIX, Rikkert - HIRSCHI, Valentin - UBIALI, Maria - WIESEMANN, Marius - ZARO, Marco. Accurate predictions for charged Higgs production: Closing the $m_H \pm$ similar to m_t window. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 772, pp. 87-92., Registrované v: WOS
22. [1.1] DROR, J.A. - LASENBY, R. - POSPELOV, M. Light vectors coupled to bosonic currents. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 12 2019, vol. 99, no. 5., Registrované v: WOS
23. [1.1] EBERL, Helmut - GININA, Elena - HIDAKA, Keisho. Two-body decays of gluino at full one-loop level in the quark-flavour violating MSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 3, art. no. 189., Registrované v: WOS
24. [1.1] FRANK, M. - FUKS, B. - OZDAL, O. Natural dark matter and light bosons with an alternative left-right symmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 20 2020, no. 4., Registrované v: WOS
25. [1.1] FRANK, M. - MAJUMDAR, C. - POULOSE, P. - SENAPATI, S. - YAJNIK, U.A. Exploring $0 \nu \beta\beta$ and leptogenesis in the alternative left-right model. In PHYSICAL REVIEW D. ISSN 1550-7998, OCT 19 2020, vol. 102, no. 7., Registrované v: WOS
26. [1.1] GUCHAIT, Monoranjan - VIJAY, Aravind H. Probing heavy charged Higgs boson at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115028., Registrované v: WOS
27. [1.1] GUTIERREZ-RODRIGUEZ, A. - HERNANDEZ-RUIZ, M. A. Probing the Z' resonance and the Higgs boson production and decay in a $SU(3)_C \times U(1)_N$ model at future e^+e^- colliders. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 9, art. no. 352., Registrované v: WOS
28. [1.1] HICYILMAZ, Yasar - SELBUZ, Levent - SOLMAZ, Levent - UN, Cem Salih. Charged Higgs boson in MSSM and beyond. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115041., Registrované v: WOS
29. [1.1] KAMENIK, J.F. - KATZ, A. - STOLARSKI, D. On lepton flavor universality in top quark decays. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 4 2019, no. 1., Registrované v: WOS
30. [1.1] KARMAKAR, S. - RAKSHIT, S. Relaxed constraints on the heavy scalar masses in 2HDM. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 16 2019, vol. 100, no. 5., Registrované v: WOS
31. [1.1] KIDONAKIS, Nikolaos. Charged Higgs production in association with a top quark at approximate NNLO. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 014010., Registrované v: WOS
32. [1.1] KRAWCZYK, M. - MORETTI, S. - OSLAND, P. - PRUNA, G. M. - SANTOS, R. Prospects for 2HDM charged Higgs searches. In FIFTH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES. ISSN 1742-6588, 2017, vol. 873, art. no. UNSP 012048., Registrované v: WOS

33. [1.1] KUMAR, Jacky - PARASKEVAS, Michael. Distinguishing between MSSM and NMSSM through $\Delta F=2$ processes. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 10, art. no. 134., Registrované v: WOS
34. [1.1] MAJI, P. - BISWAS, S. - NAYEK, P. - SAHOO, S. Charged Higgs contribution on $B-c \rightarrow (D-s, D^*(s))l^{(+)}l^{(-)}$. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, MAY 2020, vol. 2020, no. 5., Registrované v: WOS
35. [1.1] MONTERO, J. C. - PLEITEZ, V. - SANCHEZ-VEGA, B. L. - RODRIGUEZ, M. C. Supersymmetric $U(1)(Y')$ circle times $U(1)(B-L)$ extension of the Standard Model. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 16, art. no. 1750093., Registrované v: WOS
36. [1.1] PATRICK, Riley - SHARMA, Pankaj - WILLIAMS, Anthony G. Triple top signal as a probe of charged Higgs in a 2HDM. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 780, pp. 603-607., Registrované v: WOS
37. [1.1] SONG, J. - YOON, Y.W. W gamma decay of the elusive charged Higgs boson in the two-Higgs-doublet model with vectorlike fermions. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 6 2019, vol. 100, no. 5., Registrované v: WOS

ADCA913 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCÉI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for charged Higgs bosons through the violation of lepton universality in $t(\bar{t})$ events using pp collision data at $\sqrt{s}=7$ TeV with the ATLAS experiment. In *Journal of High Energy Physics*, 2013, vol. 2013, no. 3, art. no. 076. (2012: 5.618 - IF, 1.475 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP03\(2013\)076](https://doi.org/10.1007/JHEP03(2013)076)

Ohlasy:

1. [1.1] AHMED, Ijaz - HASHEMI, Majid - TAJUDDIN, Wan Ahmad. The s-channel charged Higgs in the fully hadronic final state at LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, pp. 1-10., Registrované v: WOS
2. [1.1] AKEROYD, A. G. - MORETTI, Stefano - SONG, Muyuan. Light charged Higgs boson with dominant decay to quarks and its search at the LHC and future colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115024., Registrované v: WOS
3. [1.1] AKEROYD, A.G. - MORETTI, S. - SONG, M.Y. Light charged Higgs boson with dominant decay to a charm quark and a bottom quark and its search at LEP2 and future $e^{(+)}e^{(-)}$ colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 18 2020, vol. 101, no. 3., Registrované v: WOS
4. [1.1] DEGRANDE, Celine - FREDERIX, Rikkert - HIRSCHI, Valentin - UBIALI, Maria - WIESEMANN, Marius - ZARO, Marco. Accurate predictions for charged Higgs production: Closing the $m_H \pm$ similar to m_t window. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 772, pp. 87-92., Registrované v: WOS
5. [1.1] GHOSH, Dilip Kumar - GHOSH, Nivedita - SAHA, Ipsita - SHAW, Avirup. Revisiting the high-scale validity of the type II seesaw model with novel LHC signature. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018,

vol. 97, no. 11, art. no. 115022., Registrované v: WOS

6. [1.1] GUTIERREZ-RODRIGUEZ, A. - HERNANDEZ-RUIZ, M. A. Probing the Z' resonance and the Higgs boson production and decay in a $SU(3)(L)$ circle times $U(1)(N)$ model at future $e(+)e(-)$ colliders. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 9, art. no. 352., Registrované v: WOS

7. [1.1] CHAMORRO-SOLANO, S. - MOYOTL, A. - PEREZ, M. A. Lepton flavor changing Higgs boson decays in some extensions of the Standard Model. In 31ST ANNUAL MEETING OF THE DIVISION OF PARTICLES AND FIELDS (DPYC) OF THE MEXICAN PHYSICAL SOCIETY. ISSN 1742-6588, 2017, vol. 912, art. no. 012021., Registrované v: WOS

8. [1.1] CHAMORRO-SOLANO, S. - MOYOTL, A. - PEREZ, M. A. Lepton flavor changing Higgs boson decays in a two Higgs doublet model with a fourth generation of fermions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 7, art. no. 075003., Registrované v: WOS

9. [1.1] CHECCHIA, Paolo. Implications of a 125 GeV Higgs boson. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 7, art. no. 1530003., Registrované v: WOS

10. [1.1] KIDONAKIS, Nikolaos. Charged Higgs production in association with a top quark at approximate NNLO. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 014010., Registrované v: WOS

11. [1.1] LEBIEDOWICZ, Piotr - SZCZUREK, Antoni. Exclusive production of heavy charged Higgs boson pairs in the $pp \rightarrow ppH^{(+)}H^{(-)}$ reaction at the LHC and a future circular collider. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 095008., Registrované v: WOS

12. [1.1] MOYOTL, A. - TAVARES-VELASCO, G. - TOSCANO, J. J. CP-odd contributions to the $ZZ^*\gamma$, $ZZ\gamma^*$, and ZZZ^* vertices induced by nondiagonal charged scalar boson couplings. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 093005., Registrované v: WOS

13. [1.1] NEJAD, S.M.M. - ABBASPOUR, S. - FARASHAHIAN, R. Interference effects for the top quark decays $t \rightarrow b+W/H \rightarrow \tau+\nu(\tau)$. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 16 2019, vol. 99, no. 9., Registrované v: WOS

ADCA914 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for chargino and neutralino production in final states with a Higgs boson and missing transverse momentum at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Physical Review D*, 2019, vol. 100, no. 1, art. no. 012006. (2018: 4.368 - IF, Q1 - JCR, 1.703 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.100.012006>

Ohlasy:

1. [1.1] CANEPA, A. - HAN, T. - WANG, X. The Search for Electroweakinos. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 425-454., Registrované v: WOS

2. [1.1] DUTTA, J. - MUKHOPADHYAYA, B. - RAI, S.K. Identifying a Higgsino-like NLSP in the context of a keV-scale gravitino LSP. In

PHYSICAL REVIEW D. ISSN 2470-0010, APR 22 2020, vol. 101, no. 7.,
Registrované v: WOS

3. [1.1] PYARELAL, A. - SU, S.F. Higgs assisted razor search for
Higgsinos at a 100 TeV pp collider. In SCIENCE CHINA-PHYSICS
MECHANICS & ASTRONOMY. ISSN 1674-7348, APR 17 2020, vol. 63, no.
10., Registrované v: WOS

ADCA915 AAD, G. - ABAJYAN, T. - ABBOTT, B. - ABDALLAH, J. - ABDEL
KHALEK, S. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard -
STRÍŽENEC, Pavol. Search for charginos nearly mass degenerate with the lightest
neutralino based on a disappearing-track signature in pp collisions at $\sqrt{s}=8$ TeV
with the ATLAS detector. In *Physical Review D*, 2013, vol. 88, no. 11, art. no.
112006. (2012: 4.691 - IF, Q1 - JCR, 2.725 - SJR, Q1 - SJR, Current Contents -
CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na:
<https://doi.org/10.1103/PhysRevD.88.112006>

Ohlasy:

1. [1.1] AHMED, Waqas - CALIBBI, Lorenzo - LI, Tianjun -
MUSTAFAYEV, Azar - RAZA, Shabbar. Low fine-tuning in Yukawa-deflected
gauge mediation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95,
no. 9, art. no. 095031., Registrované v: WOS
2. [1.1] AMBROGI, Federico - KRAML, Sabine - KULKARNI, Suchita
- LAA, Ursula - LESSA, Andre - WALTENBERGER, Wolfgang. On the
coverage of the pMSSM by simplified model results. In EUROPEAN
PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 215.,
Registrované v: WOS
3. [1.1] BAGNASCHI, E. - BORSATO, M. - SAKURAI, K. -
BUCHMUELLER, O. - CAVANAUGH, R. - CHOBANOVA, V. - CITRON, M.
- COSTA, J. C. - DE ROECK, A. - DOLAN, M. J. - ELLIS, J. R. - FLAECHEER,
H. - HEINEMEYER, S. - ISIDORI, G. - LUCIO, M. - LUO, F. - MARTINEZ
SANTOS, D. - OLIVE, K. A. - RICHARDS, A. - WEIGLEIN, G. Likelihood
analysis of the minimal AMSB model. In EUROPEAN PHYSICAL JOURNAL
C. ISSN 1434-6044, 2017, vol. 77, no. 4, art. no. 268., Registrované v: WOS
4. [1.1] BALLESTEROS, Guillermo - CARMONA, Adrian - CHALA,
Mikael. Exceptional composite dark matter. In EUROPEAN PHYSICAL
JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 7, art. no. 468., Registrované
v: WOS
5. [1.1] BELYAEV, A. - CACCIAPAGLIA, G. - MCKAY, J. - MARIN,
D. - ZERWEKH, A.R. Minimal spin-one isotriplet dark matter. In PHYSICAL
REVIEW D. ISSN 2470-0010, JUN 6 2019, vol. 99, no. 11., Registrované v:
WOS
6. [1.1] CAI, Yi - GARCIA, Juan Herrero - SCHMIDT, Michael A. -
VICENTE, Avelino - VOLKAS, Raymond R. From the Trees to the Forest: A
Review of Radiative Neutrino Mass Models. In FRONTIERS IN PHYSICS.
ISSN 2296-424X, 2017, vol. 5, art. no. 63., Registrované v: WOS
7. [1.1] CAI, Yi - HAN, Tao - LI, Tong - RUIZ, Richard. Lepton
Number Violation: Seesaw Models and Their Collider Tests. In FRONTIERS IN
PHYSICS. ISSN 2296-424X, 2018, vol. 6, art. no. 40., Registrované v: WOS
8. [1.1] ENGLERT, Christoph - JAECKEL, Joerg. Getting stuck! Using
monosignatures to test highly ionizing particles. In PHYSICS LETTERS B. ISSN
0370-2693, 2017, vol. 769, pp. 513-519., Registrované v: WOS

9. [1.1] GARNY, Mathias - HEISIG, Jan - LUELF, Benedikt - VOGL, Stefan. Coannihilation without chemical equilibrium. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 10, art. no. 103521., Registrované v: WOS
10. [1.1] HAN, Chengcheng - NOJIRI, Mihoko M. - TAKEUCHI, Michihisa - YANAGIDA, Tsutomu T. Surviving scenario of stop decays for ATLAS l plus jets+ is not an element of(miss)(T) search. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 767, pp. 37-41., Registrované v: WOS
11. [1.1] CHAKRABORTI, S. - ISLAM, R. Multilepton signatures for scalar dark matter searches in coannihilation scenario. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 25 2020, vol. 101, no. 11., Registrované v: WOS
12. [1.1] MCKAY, James - SCOTT, Pat. Two-loop mass splittings in electroweak multiplets: Winos and minimal dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055049., Registrované v: WOS
13. [1.1] NIEMI, L. - PATEL, H.H. - RAMSEY-MUSOLF, M.J. - TENKANEN, T.V.I. - WEIR, D.J. Electroweak phase transition in the real triplet extension of the SM: Dimensional reduction. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 5 2019, vol. 100, no. 3., Registrované v: WOS
14. [1.1] XU, S. - ZHENG, S.B. Probing electroweak dark matter at 14 TeV LHC. In CHINESE PHYSICS C. ISSN 1674-1137, NOV 2020, vol. 44, no. 11., Registrované v: WOS

ADCA916 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABED ABUD, A. - ABELING, K. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for chargino-neutralino production with mass splittings near the electroweak scale in three-lepton final states in root s=13 TeV pp collisions with the ATLAS detector. In *Physical Review D*, 2020, vol. 101, no. 7, art. no. 072001. (2019: 4.833 - IF, Q1 - JCR, 1.664 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.101.072001>

Ohlasy:

1. [1.1] FIASCHI, J. - KLASSEN, M. Higgsino and gaugino pair production at the LHC with aNNLO plus NNLL precision. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 20 2020, vol. 102, no. 9., Registrované v: WOS
2. [1.1] GOODSSELL, M.D. - KRAML, S. - REYES-GONZALEZ, H. - WILLIAMSON, S.L. Constraining electroweakinos in the minimal Dirac gaugino model. In SCIPOST PHYSICS. ISSN 2542-4653, OCT 2020, vol. 9, no. 4., Registrované v: WOS
3. [1.1] LOPEZ-FOGLIANI, D.E. - MUNOZ, C. Searching for supersymmetry: the mu nu SSM A short review. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 21, SI, p. 3263-3301., Registrované v: WOS
4. [1.1] TATA, X. Natural supersymmetry: status and prospects. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 21, SI, p. 3061-3083., Registrované v: WOS

ADCA917 AABOUD, M. - ABBOTT, B. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ,

Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for chargino-neutralino production using recursive jigsaw reconstruction in final states with two or three charged leptons in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Physical Review D*, 2018, vol. 98, no. 9, art. no. 092012. (2017: 4.394 - IF, Q1 - JCR, 1.801 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.98.092012>

Ohlasy:

1. [1.1] CANEPA, A. - HAN, T. - WANG, X. The Search for Electroweakinos. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 425-454., Registrované v: WOS
2. [1.1] CARENA, Marcela - OSBORNE, James - SHAH, Nausheen R. - WAGNER, Carlos E. M. Supersymmetry and LHC missing energy signals. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115010., Registrované v: WOS
3. [1.1] CARENA, M. - OSBORNE, J. - SHAH, N.R. - WAGNER, C.E.M. Return of the WIMP: Missing energy signals and the Galactic Center excess. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 3 2019, vol. 100, no. 5., Registrované v: WOS
4. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
5. [1.1] DOMINGO, F. - KIM, J.S. - LOZANO, V.M. - MARTIN-RAMIRO, P. - DE AUSTRI, R.R. Confronting the neutralino and chargino sector of the NMSSM with the multilepton searches at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 8 2020, vol. 101, no. 7., Registrované v: WOS
6. [1.1] FRANK, M. Evading Z' boson mass limits in $U(1)'$ supersymmetric models. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 21, SI, p. 3205-3220., Registrované v: WOS
7. [1.1] FRANK, M. - HUITU, K. - MONDAL, S. Dark matter and collider signals in supersymmetric $U(1)'$ models with nonuniversal Z' couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 9 2019, vol. 100, no. 11., Registrované v: WOS
8. [1.1] FUKS, B. - NORDSTROM, K. - RUIZ, R. - WILLIAMSON, S.L. Sleptons without hadrons. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 11 2019, vol. 100, no. 7., Registrované v: WOS
9. [1.1] GOODSSELL, M.D. - KRAML, S. - REYES-GONZALEZ, H. - WILLIAMSON, S.L. Constraining electroweakinos in the minimal Dirac gaugino model. In SCIPOST PHYSICS. ISSN 2542-4653, OCT 2020, vol. 9, no. 4., Registrované v: WOS
10. [1.1] IBE, M. - SUZUKI, M. - YANAGIDA, T.T. - YOKOZAKI, N. Muon $g-2$ in Split-Family SUSY in light of LHC run II. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 14 2019, vol. 79, no. 8., Registrované v: WOS
11. [1.1] KING, S.F. - MORETTI, S. - NEVZOROV, R. A Review of the Exceptional Supersymmetric Standard Model. In SYMMETRY-BASEL. APR 2020, vol. 12, no. 4., Registrované v: WOS

12. [1.1] LOPEZ-FOGLIANI, D.E. - MUNOZ, C. Searching for supersymmetry: the μ ν SSM A short review. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 21, SI, p. 3263-3301., Registrované v: WOS
13. [1.1] PYARELAL, A. - SU, S.F. Higgs assisted razor search for Higgsinos at a 100 TeV pp collider. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, APR 17 2020, vol. 63, no. 10., Registrované v: WOS
14. [1.1] SMARANDA, D.D. - MILLER, D.J. Scherk-Schwarz orbifolds at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS
15. [1.1] TRAN, H.M. - NGUYEN, H.T. GUT-inspired MSSM in light of muon g-2 and LHC results at $\sqrt{s}=13$ TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 26 2019, vol. 99, no. 3., Registrované v: WOS
16. [1.1] XU, S. - ZHENG, S.B. Probing electroweak dark matter at 14 TeV LHC. In CHINESE PHYSICS C. ISSN 1674-1137, NOV 2020, vol. 44, no. 11., Registrované v: WOS

ADCA918 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for invisible decays of a Higgs boson using vector-boson fusion in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2016, vol. 2016, no. 1, art. no. 172. (2015: 6.023 - IF, Q1 - JCR, 1.343 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP01\(2016\)172](https://doi.org/10.1007/JHEP01(2016)172)

Ohlasy:

1. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. - MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of heavy Higgs bosons decaying invisibly at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS
2. [1.1] BALLESTEROS, Guillermo - CARMONA, Adrian - CHALA, Mikael. Exceptional composite dark matter. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 7, art. no. 468., Registrované v: WOS
3. [1.1] BARMAN, Rahool Kumar - BELANGER, Genevieve - BHATTACHERJEE, Biplob - GODBOLE, Rohini - MENDIRATTA, Gaurav - SENGUPTA, Dipan. Invisible decay of the Higgs boson in the context of a thermal and nonthermal relic in MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095018., Registrované v: WOS
4. [1.1] BELYAEV, Alexander S. - THOMAS, Marc C. - SHAPIRO, Ilya L. Torsion as a dark matter candidate from the Higgs portal. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095033., Registrované v: WOS
5. [1.1] BELYAEV, Alexander S. - FLACKE, Thomas - JAIN, Bithika - SCHAEFERS, Patrick B. LHC dark matter signals from vector resonances and top partners. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035019., Registrované v: WOS
6. [1.1] BELYAEV, Alexander - CACCIAPAGLIA, Giacomo - IVANOV, Igor P. - ROJAS-ABATTE, Felipe - THOMAS, Marc. Anatomy of the

inert two-Higgs-doublet model in the light of the LHC and non-LHC dark matter searches. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 035011., Registrované v: WOS

7. [1.1] BELYAEV, A. - MORETTI, S. - TOMEI, T.R.F.P. - NOVAES, S.F. - MERCADANTE, P.G. - MOON, C.S. - PANIZZI, L. - ROJAS, F. - THOMAS, M. Advancing LHC probes of dark matter from the inert two-Higgs-doublet model with the monojet signal. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 7 2019, vol. 99, no. 1., Registrované v: WOS

8. [1.1] BHATTACHARYA, S. - GHOSH, P. - SAHOO, N. - SAHU, N. Mini Review on Vector-Like Leptonic Dark Matter, Neutrino Mass, and Collider Signatures. In FRONTIERS IN PHYSICS. ISSN 2296-424X, MAY 31 2019, vol. 7., Registrované v: WOS

9. [1.1] BIEKOETTER, Anke - KEILBACH, Fabian - MOUTAFIS, Rhea - PLEHN, Tilman - THOMPSON, Jennifer M. Tagging Jets in Invisible Higgs Searches. In SCIPOST PHYSICS. ISSN 2542-4653, 2018, vol. 4, no. 6, art. no. 035., Registrované v: WOS

10. [1.1] BOIARSKA, I. - BONDARENKO, K. - BOYARSKY, A. - GORKAVENKO, V. - OVCHYNNIKOV, M. - SOKOLENKO, A. Phenomenology of GeV-scale scalar portal. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 27 2019, no. 11., Registrované v: WOS

11. [1.1] BOIARSKA, I. - BONDARENKO, K. - BOYARSKY, A. - OVCHYNNIKOV, M. - RUCHAYSKIY, O. - SOKOLENKO, A. Light scalar production from Higgs bosons and FASER 2. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 11 2020, no. 5., Registrované v: WOS

12. [1.1] BRIVIO, I. - GAVELA, M. B. - MERLO, L. - MIMASU, K. - NO, J. M. - DEL REY, R. - SANZ, V. ALPs effective field theory and collider signatures. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 8, art. no. 572., Registrované v: WOS

13. [1.1] CENTELLES CHULIA, Salvador - MA, Ernest - SRIVASTAVA, Rahul - VALLE, Jose W. F. Dirac neutrinos and dark matter stability from lepton quarticity. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 767, pp. 209-213., Registrované v: WOS

14. [1.1] CLINE, James M. Is electroweak baryogenesis dead? In PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-503X, 2018, vol. 376, no. 2114, art. no. 20170116., Registrované v: WOS

15. [1.1] CRAIG, N. - GARCIA, I.G. - KOREN, S. The weak scale from weak gravity. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 11 2019, no. 9., Registrované v: WOS

16. [1.1] DATTA, Amitava - GANGULY, Nabanita - KHAN, Najimuddin - RAKSHIT, Subhendu. Exploring collider signatures of the inert Higgs doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015017., Registrované v: WOS

17. [1.1] DEDES, A. - KARAMITROS, D. - PILAFTSIS, A. Radiative light dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115037., Registrované v: WOS

18. [1.1] DUTTA, Bhaskar - PALACIO, Guillermo - RESTREPO, Diego - RUIZ-ALVAREZ, Jose D. Vector boson fusion in the inert doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055045., Registrované v: WOS

19. [1.1] ELLIS, J. - LEWICKI, M. - NO, J.M. On the maximal strength of a first-order electroweak phase transition and its gravitational wave signal. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, APR 2019, no. 4., Registrované v: WOS
20. [1.1] FENG, Jonathan L. - GALON, Iftah - KLING, Felix - TROJANOWSKI, Sebastian. Dark Higgs bosons at the ForwArd Search ExpeRiment. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055034., Registrované v: WOS
21. [1.1] GARNY, Mathias - HEISIG, Jan - HUFNAGEL, Marco - LUELF, Benedikt. Top-philic dark matter within and beyond the WIMP paradigm. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075002., Registrované v: WOS
22. [1.1] GONCALVES, Dorival - PLEHN, Tilman - THOMPSON, Jennifer M. Weak boson fusion at 100 TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095011., Registrované v: WOS
23. [1.1] GONCALVES, D. - NAKAMURA, J. Boosting the H -> invisibles searches with Z boson polarization. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 18 2019, vol. 99, no. 5., Registrované v: WOS
24. [1.1] GUO, C. - GUO, S.Y. - LIAO, Y. Dark matter and LHC phenomenology of a scale-invariant scotogenic model. In CHINESE PHYSICS C. ISSN 1674-1137, OCT 2019, vol. 43, no. 10., Registrované v: WOS
25. [1.1] HELO, Juan Carlos - HIRSCH, Martin - WANG, Zeren Simon. Heavy neutral fermions at the high-luminosity LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 056., Registrované v: WOS
26. [1.1] HOFERICHTER, Martin - KLOS, Philipp - MENENDEZ, Javier - SCHWENK, Achim. Improved Limits for Higgs-Portal Dark Matter from LHC Searches. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 18, art. no. 181803., Registrované v: WOS
27. [1.1] CHANG, We-Fu - NG, John N. - WHITE, Graham. Prospects for detecting light bosons at the FCC-ee and CEPC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115015., Registrované v: WOS
28. [1.1] CHANG, W.F. - NG, J.N. KeV scale new fermion from a hidden sector. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 20 2020, vol. 101, no. 3., Registrované v: WOS
29. [1.1] CHOI, Soo-Min - HOCHBERG, Yonit - KUFLIK, Eric - LEE, Hyun Min - MAMBRINI, Yann - MURAYAMA, Hitoshi - PIERRE, Mathias. Vector SIMP dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 10, art. no. 162., Registrované v: WOS
30. [1.1] IMTIAZ, B. - WAN, Y.P. - CAI, Y.F. Two-field cosmological phase transitions and gravitational waves in the singlet Majoron model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 14 2019, vol. 79, no. 1., Registrované v: WOS
31. [1.1] KAHLHOEFER, Felix. Review of LHC dark matter searches. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 13, art. no. 1730006., Registrované v: WOS
32. [1.1] KIM, Jinsu - MCDONALD, John. Freeze-in dark matter from a sub-Higgs mass clockwork sector via the Higgs portal. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 12, art. no. 123503., Registrované v: WOS

33. [1.1] LIU, Xuewen - BIAN, Ligong. Dark matter and electroweak phase transition in the mixed scalar dark matter model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055028., Registrované v: WOS
34. [1.1] NOMURA, T. - SHIMOMURA, T. Searching for scalar boson decaying into light Z' boson at collider experiments in $U(1)_{L\mu-L\tau}$ model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 13 2019, vol. 79, no. 7., Registrované v: WOS
35. [1.1] PANOTOPOULOS, Grigorios - LOPES, Ilidio. Constraining the scalar singlet and inert dark matter models using neutron stars. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 2, art. no. 023016., Registrované v: WOS
36. [1.1] PRIMULANDO, R. - JULIO, J. - UTTAYARAT, P. Scalar phenomenology in type-II seesaw model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 6 2019, no. 8., Registrované v: WOS
37. [1.1] PROFUMO, Stefano - STEFANIAK, Tim - STEPHENSON-HASKINS, Laurel. Not-so-well-tempered neutralino. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 055018., Registrované v: WOS
38. [1.1] PROFUMO, S. - GIANI, L. - PIATTELLA, O.F. An Introduction to Particle Dark Matter dagger. In UNIVERSE. OCT 2019, vol. 5, no. 10., Registrované v: WOS
39. [1.1] RAUCH, Michael - ZEPPENFELD, Dieter. Jet clustering dependence of Higgs boson production in vector-boson fusion. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 114015., Registrované v: WOS
40. [1.1] ROJAS-ABATTE, Felipe - MORA, Maria Luisa - URBINA, Jose - ZERWEKH, Alfonso R. Inert two-Higgs-doublet model strongly coupled to a non-Abelian vector resonance. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 095025., Registrované v: WOS
41. [1.1] SAEZ, B.D. - ROJAS-ABATTE, F. - ZERWEKH, A.R. Dark matter from a vector field in the fundamental representation of $SU(2)_L$. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 24 2019, vol. 99, no. 7., Registrované v: WOS

ADCA919 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for Invisible Decays of a Higgs Boson Produced in Association with a Z Boson in ATLAS. In *Physical Review Letters*, 2014, vol. 112, no. 20, art. no. 201802. (2013: 7.728 - IF, Q1 - JCR, 5.674 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.112.201802>

Ohlasy:

1. [1.1] ABDUSSALAM, S. - CABRERA, M.E. Revealing mass-degenerate states in Higgs boson signals. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 2019, vol. 79, no. 12., Registrované v: WOS
2. [1.1] ABDUSSALAM, S.S. Testing Higgs boson scenarios in the phenomenological NMSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 25 2019, vol. 79, no. 5., Registrované v: WOS
3. [1.1] ALEKHIN, Sergey et al. A facility to search for hidden particles at the CERN SPS: the SHiP physics case. In REPORTS ON PROGRESS IN

- PHYSICS, 2016, vol. 79, no. 12, art. no. 124201., Registrované v: WOS
4. [1.1] ALTMANNSHOFER, Wolfgang - BARDEEN, William A. - BAUER, Martin - CARENA, Marcela - LYKKEN, Joseph D. Light dark matter, naturalness, and the radiative origin of the electroweak scale. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 1, art. no. 032., Registrované v: WOS
 5. [1.1] ANANTHANARAYAN, B. - LAHIRI, Jayita - PANDITA, P. N. Invisible decays of the heavier Higgs boson in the minimal supersymmetric standard model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 11, art. no. 115025., Registrované v: WOS
 6. [1.1] ARBEY, Alexandre - BATTAGLIA, Marco - MAHMOUDI, Farvah. The Higgs boson, supersymmetry and dark matter. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2016, vol. 528, no. 1-2, pp. 179-186., Registrované v: WOS
 7. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. - MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of heavy Higgs bosons decaying invisibly at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS
 8. [1.1] BAHRAMI, Sahar - FRANK, Mariana. Dark matter in the Higgs triplet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 7, art. no. 075003., Registrované v: WOS
 9. [1.1] BELANGER, Genevieve - GHOSH, Diptimoy - GODBOLE, Rohini - KULKARNI, Suchita. Light stop in the MSSM after LHC Run 1. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art. no. 214., Registrované v: WOS
 10. [1.1] BELANGER, Genevieve - DUMONT, Beranger - GOUDELIS, Andreas - HERRMANN, Bjoern - KRAML, Sabine - SENGUPTA, Dipan. Dilepton constraints in the inert doublet model from Run 1 of the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 115011., Registrované v: WOS
 11. [1.1] BERNACIAK, Catherine - PLEHN, Tilman - SCHICHTEL, Peter - TATTERSALL, Jamie. Spying an invisible Higgs boson. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 035024., Registrované v: WOS
 12. [1.1] BERNON, Jeremy - DUMONT, Beranger. Lilith: a tool for constraining new physics from Higgs measurements. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 440., Registrované v: WOS
 13. [1.1] BIEKOETTER, Anke - KEILBACH, Fabian - MOUTAFIS, Rhea - PLEHN, Tilman - THOMPSON, Jennifer M. Tagging Jets in Invisible Higgs Searches. In SCIPOST PHYSICS. ISSN 2542-4653, 2018, vol. 4, no. 6, art. no. 035., Registrované v: WOS
 14. [1.1] BISHARA, Fady - BROD, Joachim - UTTARAYAT, Patipan - ZUPAN, Jure. Nonstandard Yukawa couplings and Higgs portal dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 1, art. no. 010., Registrované v: WOS
 15. [1.1] BONILLA, Cesar - FONSECA, Renato M. - VALLE, Jose W. F. Vacuum stability with spontaneous violation of lepton number. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 756, pp. 345-349., Registrované v: WOS

16. [1.1] BONILLA, Cesar - ROMAO, Jorge C. - VALLE, Jose W. F. Neutrino mass and invisible Higgs decays at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 113015., Registrované v: WOS
17. [1.1] BRAMANTE, Joseph - ELAHI, Fatemeh. Higgs portals to pulsar collapse. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 11, art. no. 115001., Registrované v: WOS
18. [1.1] BUCKLEY, Matthew R. - FELD, David - GONCALVES, Dorival. Scalar simplified models for dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 015017., Registrované v: WOS
19. [1.1] CICHY, Krzysztof - GARCIA-RAMOS, Elena - JANSEN, Karl. Short distance singularities and automatic $O(a)$ improvement: the cases of the chiral condensate and the topological susceptibility. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 048., Registrované v: WOS
20. [1.1] CORBETT, Tyler - EBOLI, Oscar J. P. - GONCALVES, Dorival - GONZALEZ-FRAILE, J. - PLEHN, Tilman - RAUCH, Michael. The Higgs legacy of the LHC Run I. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 8, art. no. 156., Registrované v: WOS
21. [1.1] DAVID, Andre - HEIKKILA, Jaana - PETRUCCIANI, Giovanni. Searching for degenerate Higgs bosons. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 2, art. no. 49., Registrované v: WOS
22. [1.1] DERMISEK, Radovan - LUNGHI, Enrico - SHIN, Seodong. New decay modes of heavy Higgs bosons in a two Higgs doublet model with vector like leptons. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 148., Registrované v: WOS
23. [1.1] DI LUZIO, Luca - GROEBER, Ramona - KAMENIK, Jernej F. - NARDECCHIA, Marco. Accidental matter at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 7, art. no. 074., Registrované v: WOS
24. [1.1] DING, Ran - HAN, Zhi-Long - LIAO, Yi - XIE, Wan-Peng. Radiative neutrino mass with $Z(3)$ dark matter: from relic density to LHC signatures. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 030., Registrované v: WOS
25. [1.1] DORSNER, Ilja - FAJFER, Svjetlana - GRELJO, Admir - KAMENIK, Jernej F. - KOSNIK, Nejc - NISANDZIC, Ivan. New physics models facing lepton flavor violating Higgs decays at the percent level. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 108., Registrované v: WOS
26. [1.1] DUPUIS, Grace. Collider constraints and prospects of a scalar singlet extension to Higgs portal dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art. no. 008., Registrované v: WOS
27. [1.1] DWORNIK, M. - KERESZTES, Z. - KUN, E. - GERGELY, L. A. Bose-Einstein Condensate Dark Matter Halos Confronted with Galactic Rotation Curves. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, art. no. 4025386., Registrované v: WOS
28. [1.1] FENG, Lei - PROFUMO, Stefano - UBALDI, Lorenzo. Closing in on singlet scalar dark matter: LUX, invisible Higgs decays and gamma-ray lines. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no.

- 3, art. no. 045., Registrované v: WOS
29. [1.1] FONSECA, Nayara - FUNCHAL, Renata Zukanovich - LESSA, Andre - LOPEZ-HONOREZ, Laura. Dark Matter constraints on composite Higgs models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 154., Registrované v: WOS
30. [1.1] GONCALVES, Dorival - KRAUSS, Frank - KUTTIMALAI, Silvan - MAIERHOEFER, Philipp. Higgs-Strahlung: Merging the NLO Drell-Yan and loop-induced 0+1 jet multiplicities. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 073006., Registrované v: WOS
31. [1.1] GONCALVES, Dorival - KRAUSS, Frank - KUTTIMALAI, Silvan - MAIERHOEFER, Philipp. Boosting invisible searches via ZH: From the Higgs boson to dark matter simplified modelsy. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 053014., Registrované v: WOS
32. [1.1] GONCALVES, D. - NAKAMURA, J. Boosting the H -> invisibles searches with Z boson polarization. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 18 2019, vol. 99, no. 5., Registrované v: WOS
33. [1.1] GOULD, R. - GEHRMANN-DE RIDDER, A. - GLOVER, E.W.N. - HUSS, A. - MAJER, I. Associated production of a Higgs boson decaying into bottom quarks and a weak vector boson decaying leptonically at NNLO in QCD. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 3 2019, no. 10., Registrované v: WOS
34. [1.1] GUO, Shu-Yuan - HAN, Zhi-Long - LIAO, Yi. Testing the type II radiative seesaw model: From dark matter detection to LHC signatures. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 115014., Registrované v: WOS
35. [1.1] HATANAKA, Hisaki - JUNG, Dong-Won - KO, Pyungwon. AdS/QCD approach to the scale-invariant extension of the standard model with a strongly interacting hidden sector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 8, art. no. 094., Registrované v: WOS
36. [1.1] HOFERICHTER, Martin - KLOS, Philipp - MENENDEZ, Javier - SCHWENK, Achim. Improved Limits for Higgs-Portal Dark Matter from LHC Searches. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 18, art. no. 181803., Registrované v: WOS
37. [1.1] CHACKO, Zackaria - CUI, Yanou - HONG, Sungwoo - OKUI, Takemichi. Hidden dark matter sector, dark radiation, and the CMB. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 5, art. no. 055033., Registrované v: WOS
38. [1.1] CHECCHIA, Paolo. Implications of a 125 GeV Higgs boson. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 7, art. no. 1530003., Registrované v: WOS
39. [1.1] KAKIZAKI, Mitsuru - PARK, Eun-Kyung - PARK, Jae-hyeon - SANTAA, Akiteru. Phenomenological constraints on light mixed sneutrino dark matter scenarios. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 749, pp. 44-49., Registrované v: WOS
40. [1.1] KANEMURA, Shinya - KIKUCHI, Mariko - YAGYU, Kei. Fingerprinting the extended Higgs sector using one-loop corrected Higgs boson couplings and future precision measurements. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 896, pp. 80-137., Registrované v: WOS
41. [1.1] KOZACZUK, Jonathan - MARTIN, Travis A. W. Extending LHC coverage to light pseudoscalar mediators and coy dark sectors. In

JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 046., Registrované v: WOS

42. [1.1] KO, Pyungwon. Particle, Astroparticle Physics and Cosmology in Dark Matter Models with Dark Gauge Symmetries. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2018, vol. 73, no. 4, pp. 449-465., Registrované v: WOS

43. [1.1] KO, P. - OMURA, Yuji - YU, Chaehyun. Higgs and dark matter physics in the type-II two-Higgs-doublet model inspired by E-6 GUT. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 034., Registrované v: WOS

44. [1.1] KRAWCZYK, M. - MATEJ, M. - SOKOLOWSKA, D. - SWIEZEWSKA, B. THE UNIVERSE IN THE LIGHT OF LHC. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2015, vol. 46, no. 1, pp. 169-179., Registrované v: WOS

45. [1.1] LIEBLER, Stefan. Neutral Higgs production at proton colliders in the CP-conserving NMSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 210., Registrované v: WOS

46. [1.1] MACIAS, Vannia Gonzalez - WUDKA, Jose. Effective theories for Dark Matter interactions and the neutrino portal paradigm. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 7, art. no. 161., Registrované v: WOS

47. [1.1] NOMURA, T. - SHIMOMURA, T. Searching for scalar boson decaying into light Z' boson at collider experiments in $U(1)_{(L\mu-L\tau)}$ model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 13 2019, vol. 79, no. 7., Registrované v: WOS

48. [1.1] SAGE, Frederick S. - DICK, Rainer. The finite shelf life of minimal Higgs portal dark matter. In ASTROPARTICLE PHYSICS. ISSN 0927-6505, 2015, vol. 71, pp. 31-35., Registrované v: WOS

49. [1.1] SANCHEZ-VEGA, B. L. - SCHMITZ, E. R. Fermionic dark matter and neutrino masses in a B L model. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 053007., Registrované v: WOS

50. [1.1] SETO, Osamu. Large invisible decay of a Higgs boson to neutrinos. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 073005., Registrované v: WOS

51. [1.1] WANG, Weijian - HAN, Zhi-Long. Radiative linear seesaw model, dark matter, and $U(1)_{(B-L)}$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 095001., Registrované v: WOS

ADCA920 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for invisible decays of the Higgs boson produced in association with a hadronically decaying vector boson in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *European Physical Journal C*, 2015, vol. 75, no. 7, art. no. 337. (2014: 5.084 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-015-3551-1>

Ohlasy:

1. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. - MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of heavy Higgs bosons decaying invisibly at the LHC. In NUCLEAR PHYSICS B.

- ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS
2. [1.1] BIEKOETTER, Anke - KEILBACH, Fabian - MOUTAFIS, Rhea - PLEHN, Tilman - THOMPSON, Jennifer M. Tagging Jets in Invisible Higgs Searches. In *SCIPOST PHYSICS*. ISSN 2542-4653, 2018, vol. 4, no. 6, art. no. 035., Registrované v: WOS
 3. [1.1] DUCH, M. - GRZADKOWSKI, B. - MCGARRIE, M. VACUUM STABILITY FROM VECTOR DARK MATTER. In *ACTA PHYSICA POLONICA B*. ISSN 0587-4254, 2015, vol. 46, no. 11, pp. 2199-2204., Registrované v: WOS
 4. [1.1] GONCALVES, D. - NAKAMURA, J. Boosting the H \rightarrow invisibles searches with Z boson polarization. In *PHYSICAL REVIEW D*. ISSN 2470-0010, MAR 18 2019, vol. 99, no. 5., Registrované v: WOS
 5. [1.1] HOFERICHTER, Martin - KLOS, Philipp - MENENDEZ, Javier - SCHWENK, Achim. Improved Limits for Higgs-Portal Dark Matter from LHC Searches. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2017, vol. 119, no. 18, art. no. 181803., Registrované v: WOS
 6. [1.1] KAHLHOEFER, Felix. Review of LHC dark matter searches. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2017, vol. 32, no. 13, art. no. 1730006., Registrované v: WOS
 7. [1.1] NOMURA, T. - SHIMOMURA, T. Searching for scalar boson decaying into light Z ' boson at collider experiments in U(1)(L mu-L tau) model. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, JUL 13 2019, vol. 79, no. 7., Registrované v: WOS

ADCA921 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for invisible Higgs boson decays in vector boson fusion at root s=13 TeV with the ATLAS detector. In *Physics Letters B*, 2019, vol. 793, p. 499-519. (2018: 4.162 - IF, Q2 - JCR, 1.806 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2019.04.024>

Ohlasy:

1. [1.1] ABDALLAH, W. - HAMMAD, A. - KHALIL, S. - MORETTI, S. Dark matter spin characterization in mono-Z channels. In *PHYSICAL REVIEW D*. ISSN 2470-0010, NOV 8 2019, vol. 100, no. 9., Registrované v: WOS
2. [1.1] ADDAZI, A. - MARCIANO, A. - MORAIS, A.P. - PASECHNIK, R. - SRIVASTAVA, R. - VALLE, J.W.F. Gravitational footprints of massive neutrinos and lepton number breaking. In *PHYSICS LETTERS B*. ISSN 0370-2693, AUG 10 2020, vol. 807., Registrované v: WOS
3. [1.1] ARCADI, G. - DJOUADI, A. - RAIDAL, M. Dark Matter through the Higgs portal. In *PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS*. ISSN 0370-1573, FEB 3 2020, vol. 842, p. 1-180., Registrované v: WOS
4. [1.1] BOIARSKA, I. - BONDARENKO, K. - BOYARSKY, A. - GORKAVENKO, V. - OVCHYNNIKOV, M. - SOKOLENKO, A. Phenomenology of GeV-scale scalar portal. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, NOV 27 2019, no. 11., Registrované v: WOS
5. [1.1] BOIARSKA, I. - BONDARENKO, K. - BOYARSKY, A. - OVCHYNNIKOV, M. - RUCHAYSKIY, O. - SOKOLENKO, A. Light scalar

- production from Higgs bosons and FASER 2. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 11 2020, no. 5., Registrované v: WOS
6. [1.1] BRYMAN, D.A. - SHROCK, R. Improved constraints on sterile neutrinos in the MeV to GeV mass range. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 16 2019, vol. 100, no. 5., Registrované v: WOS
 7. [1.1] CRAIG, N. - GARCIA, I.G. - KOREN, S. The weak scale from weak gravity. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 11 2019, no. 9., Registrované v: WOS
 8. [1.1] DAVOLI, A. - DE SIMONE, A. - MARZOCCA, D. - MORANDINI, A. Composite 2HDM with singlets: a viable dark matter scenario. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 18 2019, no. 10., Registrované v: WOS
 9. [1.1] ERTAS, F. - KAHLHOEFER, F. Loop-induced direct detection signatures from CP-violating scalar mediators. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 13 2019, no. 6., Registrované v: WOS
 10. [1.1] HEISIG, J. - KRAMER, M. - MADGE, E. - MUCK, A. Probing Higgs-portal dark matter with vector-boson fusion. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 30 2020, no. 3., Registrované v: WOS
 11. [1.1] HUITU, K. - KOIVUNEN, N. - LEBEDEV, O. - MONDAL, S. - TOMA, T. Probing pseudo-Goldstone dark matter at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 9 2019, vol. 100, no. 1., Registrované v: WOS
 12. [1.1] CHO, W.S. - KIM, H.D. - LEE, D. Boosting invisible Higgs boson searches by tagging a gluon jet for the gluon fusion process. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 3 2020, vol. 102, no. 11., Registrované v: WOS
 13. [1.1] LANDIM, R.G. - RIZZO, T.G. Thick branes in extra dimensions and suppressed dark couplings. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 21 2019, no. 6., Registrované v: WOS
 14. [1.1] NGAIRANGBAM, V.S. - BHARDWAJ, A. - KONAR, P. - NAYAK, A.K. Invisible Higgs search through vector boson fusion: a deep learning approach. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 16 2020, vol. 80, no. 11., Registrované v: WOS
 15. [1.1] PRIMULANDO, R. - JULIO, J. - UTTAYARAT, P. Scalar phenomenology in type-II seesaw model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 6 2019, no. 8., Registrované v: WOS
 16. [1.1] RODEJOHANN, W. - XU, X.J. Loop-enhanced rate of neutrinoless double beta decay. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 6 2019, no. 11., Registrované v: WOS
 17. [1.1] RUHDORFER, M. - SALVIONI, E. - WEILER, A. A global view of the off-shell Higgs portal. In SCIPOST PHYSICS. ISSN 2542-4653, FEB 2020, vol. 8, no. 2., Registrované v: WOS
 18. [1.1] TREESUKRAT, W. - UTTAYARAT, P. Dark matter from the inert Higgs doublet model. In SIAM PHYSICS CONGRESS 2019 (SPC2019): PHYSICS BEYOND DISRUPTION SOCIETY. ISSN 1742-6588, 2019, vol. 1380., Registrované v: WOS

ADCA922 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *European Physical Journal C*, 2015, vol. 75, no. 2, art. no. 79. (2014: 5.084 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-014-3233-4>

Ohlasy:

1. [1.1] CONTE, Eric - FUKS, Benjamin. Confronting new physics theories to LHC data with MADANALYSIS 5. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2018, vol. 33, no. 28, art. no. 1830027., Registrované v: WOS
2. [1.1] EBADI, Javad - ELAHI, Fatemeh - KHATIRI, Morteza - NAJAFABADI, Mojtaba Mohammadi. Same-sign top pair plus W production in flavor changing vector and scalar models. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075012., Registrované v: WOS
3. [1.1] FUKS, Benjamin - RICHARDSON, Peter - WILCOCK, Alexandra. Studying the sensitivity of monotop probes to compressed supersymmetric scenarios at the LHC. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2015, vol. 75, no. 7, art. no. 308., Registrované v: WOS
4. [1.1] GABRIELLI, Emidio - MELE, Barbara - RAIDAL, Martti - VENTURINI, Elena. FCNC decays of standard model fermions into a dark photon. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 115013., Registrované v: WOS
5. [1.1] GONCALVES, Dorival - SAKURAI, Kazuki - TAKEUCHI, Michihisa. Monotop signature from the supersymmetric $t(\bar{t})$ over \bar{H} channel. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075009., Registrované v: WOS
6. [1.1] GONCALVES, Dorival - SAKURAI, Kazuki - TAKEUCHI, Michihisa. Tagging a monotop signature in natural SUSY. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015030., Registrované v: WOS
7. [1.1] GONCALVES, Dorival - KONG, Kyoungchul - SAKURAI, Kazuki - TAKEUCHI, Michihisa. Monotop signature from a fermionic top partner. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 015002., Registrované v: WOS
8. [1.1] HOFERICHTER, Martin - KLOS, Philipp - MENENDEZ, Javier - SCHWENK, Achim. Improved Limits for Higgs-Portal Dark Matter from LHC Searches. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2017, vol. 119, no. 18, art. no. 181803., Registrované v: WOS
9. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS
10. [1.1] IGURO, Syuhei - OMURA, Yuji. Status of the semileptonic B decays and μ on $g-2$ in general 2HDMs with right-handed neutrinos. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2018, no. 5, art. no. 173., Registrované v: WOS
11. [1.1] KAHLHOEFER, Felix. Review of LHC dark matter searches. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X,

2017, vol. 32, no. 13, art. no. 1730006., Registrované v: WOS

12. [1.1] LI, Chong Sheng. Search for the Signal of Monotop Production at the Early LHC. In QCD HIGHER-ORDER EFFECTS AND SEARCH FOR NEW PHYSICS. ISSN 2190-5053, 2016, pp. 107-129., Registrované v: WOS

ADCA923 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for lepton flavour violation in the $e\mu$ continuum with the ATLAS detector in $\sqrt{s}=7$ TeV pp collisions at the LHC. In *European Physical Journal C*, 2012, vol. 72, no. 6, art. no. 2040. (2011: 3.631 - IF, Q2 - JCR, 2.962 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1434-6044.

Ohlasy:

1. [1.1] ALVES, Daniele S. M. - FOX, Patrick J. - WEINER, Neal. Supersymmetry with a sister Higgs boson. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055003., Registrované v: WOS

ADCA924 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for lepton-flavor violation in different-flavor, high-mass final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Physical Review D*, 2018, vol. 98, no. 9, art. no. 092008. (2017: 4.394 - IF, Q1 - JCR, 1.801 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.98.092008>

Ohlasy:

1. [1.1] ARGANDA, E. - MARCANO, X. - MILEO, N.I. - MORALES, R.A. - SZYNKMAN, A. Model-independent search strategy for the lepton-flavor-violating heavy Higgs boson decay to $\tau\mu$ at the LHC. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, SEP 2019, vol. 79, no. 9., Registrované v: WOS

2. [1.1] HOU, G.W.S. Perspectives and outlook from HEP window on the universe. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, JAN 20 2019, vol. 34, no. 2., Registrované v: WOS

3. [1.1] HOU, W.S. - MODAK, T. - WONG, G.G. Scalar leptoquark effects on $B \rightarrow \mu \nu$ decay. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS

4. [1.1] CHOUDHURY, D. - KUMAR, N. - KUNDU, A. Search for an opposite sign muon-tau pair and a b-jet at the LHC in the context of flavor anomalies. In *PHYSICAL REVIEW D*. ISSN 2470-0010, OCT 1 2019, vol. 100, no. 7., Registrované v: WOS

ADCA925 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for lepton-flavor-violating decays of the Z boson into a τ lepton and a light lepton with the ATLAS detector. In *Physical Review D*, 2018, vol. 98, no. 9, art. no. 092010. (2017: 4.394 - IF, Q1 - JCR, 1.801 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.98.092010>

Ohlasy:

1. [1.1] LI, T. - SCHMIDT, M.A. Sensitivity of future lepton colliders and low-energy experiments to charged lepton flavor violation from bileptons. In

ADCA926 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABELOOS, B. -
BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef.
 Search for lepton-flavour-violating decays of the Higgs and Z bosons with the
 ATLAS detector. In *European Physical Journal C*, 2017, vol. 77, no. 2, art. no. 70.
 (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017
 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na:
<https://doi.org/10.1140/epjc/s10052-017-4624-0>

Ohlasy:

1. [1.1] AHRICHE, A. - ARHRIB, A. - JUEID, A. - NASRI, S. - DE LA
 PUENTE, A. Mono-Higgs signature in the scotogenic model with Majorana dark
 matter. In PHYSICAL REVIEW D. ISSN 1550-7998, FEB 27 2020, vol. 101, no.
 3., Registrované v: WOS
2. [1.1] ALTMANNSHOFER, Wolfgang - MADDOCK, Brian.
 Flavorful two-Higgs-doublet models with a twist. In PHYSICAL REVIEW D.
 ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075005., Registrované v: WOS
3. [1.1] ARGANDA, E. - HERRERO, M. J. - MARCANO, X. -
 MORALES, R. - SZYNKMAN, A. Effective lepton flavor violating $HI(i)l(j)$
 vertex from right-handed neutrinos within the mass insertion approximation. In
 PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095029.,
 Registrované v: WOS
4. [1.1] ARGANDA, E. - MARCANO, X. - MILEO, N.I. - MORALES,
 R.A. - SZYNKMAN, A. Model-independent search strategy for the
 lepton-flavor-violating heavy Higgs boson decay to tau mu at the LHC. In
 EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 2019, vol. 79,
 no. 9., Registrované v: WOS
5. [1.1] ARROYO-URENA, M.A. - VALENCIA-PEREZ, T.A. -
 GAITAN, R. - DE OCA, J.H.M. - FERNANDEZ-TELLEZ, A. Flavor-changing
 decay $h \rightarrow \tau \mu$ at super hadron colliders. In JOURNAL OF HIGH ENERGY
 PHYSICS. ISSN 1029-8479, AUG 31 2020, no. 8., Registrované v: WOS
6. [1.1] BABU, K.S. - JANA, S. Enhanced di-Higgs production in the
 two Higgs doublet model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN
 1029-8479, FEB 28 2019, no. 2., Registrované v: WOS
7. [1.1] BEDNYAKOV, Alexander - RUTBERG, Veronika. FCNC
 decays of the Higgs bosons in the BGL model. In MODERN PHYSICS
 LETTERS A. ISSN 0217-7323, 2018, vol. 33, no. 31, art. no. 1850152.,
 Registrované v: WOS
8. [1.1] BHATTACHARYA, Bhuvanajyoti - MORGAN, Robert -
 OSBORNE, James - PETROV, Alexey A. Studies of lepton flavor violation at
 the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 785, pp.
 165-170., Registrované v: WOS
9. [1.1] BOUBAA, D. - KHALIL, S. - MORETTI, S. Alleviating the
 $(B)\text{over-bar} \rightarrow D \tau \nu(\tau)$ and $(B)\text{over-bar} \rightarrow D^* \tau \nu(\tau)$ puzzle in the
 MSSM. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN
 0217-751X, NOV 20 2019, vol. 34, no. 32., Registrované v: WOS
10. [1.1] BOYARKIN, O. M. - BOYARKINA, G. G. -
 VASILEUSKAYA, D. S. Neutrino mixings as a source of lepton flavor
 violations. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN

- 0217-751X, 2018, vol. 33, no. 32, art. no. 1850201., Registrované v: WOS
11. [1.1] BOYARKIN, O. M. - BOYARKINA, G. G. - VASILEUSKAYA, D. S. The Higgs boson decays with the lepton flavor violation. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 17, art. no. 1850103., Registrované v: WOS
12. [1.1] BOYARKIN, O. M. - BOYARKINA, G. G. - VASILEUSKAYA, D. S. Decays of Z and Higgs Bosons Going with Charged Lepton Flavor Violation. In NONLINEAR PHENOMENA IN COMPLEX SYSTEMS. ISSN 1561-4085, 2018, vol. 21, no. 4, pp. 326-334., Registrované v: WOS
13. [1.1] BOYARKIN, O. M. - BOYARKINA, G. G. - VASILEUSKAYA, D. S. Lepton Flavor-Violating Decays of the Higgs Boson within the Left-Right Symmetric Model. In NONLINEAR PHENOMENA IN COMPLEX SYSTEMS. ISSN 1561-4085, 2018, vol. 21, no. 2, pp. 102-113., Registrované v: WOS
14. [1.1] CAI, Yi - GARCIA, Juan Herrero - SCHMIDT, Michael A. - VICENTE, Avelino - VOLKAS, Raymond R. From the Trees to the Forest: A Review of Radiative Neutrino Mass Models. In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2017, vol. 5, art. no. 63., Registrované v: WOS
15. [1.1] COY, R. - FRIGERIO, M. Effective approach to lepton observables: The seesaw case. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 31 2019, vol. 99, no. 9., Registrované v: WOS
16. [1.1] CRIVELLIN, A. - MULLER, D. - WIEGAND, C. $b \rightarrow s l^{(+)} l^{(-)}$ transitions in two-Higgs-doublet models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 24 2019, no. 6., Registrované v: WOS
17. [1.1] DE ROMERI, V. - HERRERO, M. J. - MARCANO, X. - SCARCELLA, F. Lepton flavor violating Z decays: A promising window to low scale seesaw neutrinos. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075028., Registrované v: WOS
18. [1.1] DIAZ, Carlos E. - MANTILLA, S. F. - MARTINEZ, R. Fermion mass hierarchy from nonuniversal Abelian extensions of the standard model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 015038., Registrované v: WOS
19. [1.1] DIAZ-CRUZ, J.L. The Higgs profile in the standard model and beyond. In REVISTA MEXICANA DE FISICA. ISSN 0035-001X, SEP-OCT 2019, vol. 65, no. 5, p. 419-439., Registrované v: WOS
20. [1.1] FUYUTO, Kaori - HOU, Wei-Shu - SENAHA, Eibun. Electroweak baryogenesis driven by extra top Yukawa couplings. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 776, pp. 402-406., Registrované v: WOS
21. [1.1] GONZALEZ FELIPE, R. - SERODIO, H. Maximally restrictive leptonic texture zeros in two-Higgs-doublet models. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 6, art. no. 065002., Registrované v: WOS
22. [1.1] GORI, Stefania - GROJEAN, Christophe - JUSTE, Aurelio - PAUL, Ayan. Heavy Higgs searches: flavour matters. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 1, art. no. 108., Registrované v: WOS
23. [1.1] HERRERO, M. J. - MARCANO, X. - MORALES, R. - SZYNKMAN, A. One-loop effective LFV $Z l^{(k)} l^{(m)}$ vertex from heavy neutrinos

within the mass insertion approximation. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 10, art. no. 815., Registrované v: WOS

24. [1.1] HERRERO-GARCIA, Juan - OHLSSON, Tommy - RIAD, Stella - WIREN, Jens. Full parameter scan of the Zee model: exploring Higgs lepton flavor violation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, art. no. 130., Registrované v: WOS

25. [1.1] HONG, T.T. - HUNG, H.T. - PHUONG, H.H. - PHUONG, L.T.T. - HUE, L.T. Lepton-flavor-violating decays of the SM-like Higgs boson $h \rightarrow e(i)e(j)$, and $e(i) \rightarrow e(j)\gamma$ in a flipped 3-3-1 model. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, APR 2020, vol. 2020, no. 4., Registrované v: WOS

26. [1.1] HOU, W.S. - JAIN, R. - KAO, C. - KOHDA, M. - MCCOY, B. - SONI, A. Flavor changing heavy Higgs interactions with leptons at hadron colliders. In PHYSICS LETTERS B. ISSN 0370-2693, AUG 10 2019, vol. 795, p. 371-378., Registrované v: WOS

27. [1.1] CHAKRABORTY, Indrani - MUKHOPADHYAYA, Biswarup - MONDAL, Subhadeep. Lepton flavor violating Higgs boson decay at $e(+)e(-)$ colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 115020., Registrované v: WOS

28. [1.1] CHATTOPADHYAY, U. - DAS, D. - MUKHERJEE, S. Probing lepton flavor violating decays in MSSM with non-holomorphic soft terms. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 1 2020, no. 6., Registrované v: WOS

29. [1.1] CHIANG, Cheng-Wei - HE, Xiao-Gang - YE, Fang - YUAN, Xing-Bo. Constraints and implications on Higgs FCNC couplings from precision measurement of $B \rightarrow \mu^+ \mu^-$ decay. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035032., Registrované v: WOS

30. [1.1] CHIANG, Cheng-Wei - OKADA, Hiroshi - SENAHA, Eibun. Dark matter, muon $g-2$, electric dipole moments, and $Z \rightarrow l(i)^+ l(j)^-$ in a one-loop induced neutrino model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015002., Registrované v: WOS

31. [1.1] IGURO, Syuhei - OMURA, Yuji. Status of the semileptonic B decays and muon $g-2$ in general 2HDMs with right-handed neutrinos. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 173., Registrované v: WOS

32. [1.1] IGURO, Syuhei - TOBE, Kazuhiro. $R(D^{(*)})$ in a general two Higgs doublet model. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 925, pp. 560-606., Registrované v: WOS

33. [1.1] IVANOV, Igor P. Building and testing models with extended Higgs sectors. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 160-208., Registrované v: WOS

34. [1.1] KEUS, Venus. Flavon-induced lepton flavour violation. In FIFTH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES. ISSN 1742-6588, 2017, vol. 873, art. no. UNSP 012040., Registrované v: WOS

35. [1.1] LI, T. - SCHMIDT, M.A. Sensitivity of future lepton colliders to the search for charged lepton flavor violation. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 27 2019, vol. 99, no. 5., Registrované v: WOS

36. [1.1] MARCANO, Xabier. Lepton Flavor Violation from Low Scale

Seesaw Neutrinos with Masses Reachable at the LHC Introduction. In LEPTON FLAVOR VIOLATION FROM LOW SCALE SEESAW NEUTRINOS WITH MASSES REACHABLE AT THE LHC. ISSN 2190-5053, 2018, pp. 1-12., Registrované v: WOS

37. [1.1] MARCANO, Xabier. LFV Higgs Decays from Low Scale Seesaw Neutrinos. In LEPTON FLAVOR VIOLATION FROM LOW SCALE SEESAW NEUTRINOS WITH MASSES REACHABLE AT THE LHC. ISSN 2190-5053, 2018, pp. 65-108., Registrované v: WOS

38. [1.1] MARCANO, Xabier. Phenomenological Implications of Low Scale Seesaw Neutrinos on LFV. In LEPTON FLAVOR VIOLATION FROM LOW SCALE SEESAW NEUTRINOS WITH MASSES REACHABLE AT THE LHC. ISSN 2190-5053, 2018, pp. 39-63., Registrované v: WOS

39. [1.1] MERCHAND, Marco - SHER, Marc. Three doublet lepton-specific model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055004., Registrované v: WOS

40. [1.1] NEBOT, Miguel. Phenomenological prospects for two Higgs doublet models with controlled FCNC. In FIFTH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES. ISSN 1742-6588, 2017, vol. 873, art. no. UNSP 012038., Registrované v: WOS

41. [1.1] NGUYEN, T. Phong - LE, T. Thuy - HONG, T. T. - HUE, L. T. Decay of standard-model-like Higgs boson $h \rightarrow \mu \tau$ in a 3-3-1 model with inverse seesaw neutrino masses. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 073003., Registrované v: WOS

42. [1.1] TEROL-CALVO, J. - TORTOLA, M. - VICENTE, A. High-energy constraints from low-energy neutrino nonstandard interactions. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 12 2020, vol. 101, no. 9., Registrované v: WOS

ADCA927 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for lepton-flavour-violating $H \rightarrow \mu \tau$ decays of the Higgs boson with the ATLAS detector. In *Journal of High Energy Physics*, 2015, vol. 2015, no. 11, art. no. 211. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP11\(2015\)211](https://doi.org/10.1007/JHEP11(2015)211)

Ohlasy:

1. [1.1] ALTIN, Z. - KIRCA, Z. - TANIMAK, T. - UN, C.S. Stop search in SUSY SO(10) GUTs with nonuniversal Gaugino masses. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 4 2020, vol. 80, no. 9., Registrované v: WOS

2. [1.1] ALVES, A. - DIAS, A.G. - DA SILVA, R. The 7% rule: A maximum entropy prediction on new decays of the Higgs boson. In NUCLEAR PHYSICS B. ISSN 0550-3213, OCT 2020, vol. 959., Registrované v: WOS

3. [1.1] ALVES, Joao M. - BOTELLA, Francisco J. - BRANCO, Gustavo C. - CORNET-GOMEZ, Fernando - NEBOT, Miguel. Controlled flavour changing neutral couplings in two Higgs Doublet models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 585., Registrované v: WOS

4. [1.1] ARGANDA, E. - HERRERO, M. J. - MARCANO, X. - MORALES, R. - SZYNKMAN, A. Effective lepton flavor violating $Hl(i)l(j)$

vertex from right-handed neutrinos within the mass insertion approximation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095029., Registrované v: WOS

5. [1.1] ARGANDA, E. - MARCANO, X. - MILEO, N.I. - MORALES, R.A. - SZYNKMAN, A. Model-independent search strategy for the lepton-flavor-violating heavy Higgs boson decay to tau mu at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 2019, vol. 79, no. 9., Registrované v: WOS

6. [1.1] ARROYO-URENA, M. A. - DIAZ-CRUZ, J. L. - TAVARES-VELASCO, G. - BOLANOS, A. - HERNANDEZ-TOME, G. Searching for lepton flavor violating flavon decays at hadron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 015008., Registrované v: WOS

7. [1.1] BANDYOPADHYAY, Priyotosh - MANDAL, Rusa. Vacuum stability in an extended standard model with a leptoquark. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035007., Registrované v: WOS

8. [1.1] BEDNYAKOV, Alexander - RUTBERG, Veronika. FCNC decays of the Higgs bosons in the BGL model. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2018, vol. 33, no. 31, art. no. 1850152., Registrované v: WOS

9. [1.1] BORAH, Debasish. Nonzero θ_{13} with unbroken $\mu\tau$ symmetry of the active neutrino mass matrix in the presence of a light sterile neutrino. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035016., Registrované v: WOS

10. [1.1] DAWSON, S. - ENGLERT, C. - PLEHN, T. Higgs physics: It ain't over till it is over. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, JUL 3 2019, vol. 816, p. 1-85., Registrované v: WOS

11. [1.1] ENOMOTO, K. - KANEMURA, S. - SAKURAI, K. - SUGIYAMA, H. New model for radiatively generated Dirac neutrino masses and lepton flavor violating decays of the Higgs boson. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 29 2019, vol. 100, no. 1., Registrované v: WOS

12. [1.1] FORTES, E.C.F.S. - MACHADO, A.C.B. - MONTANO, J. - PLEITEZ, V. Lepton masses and mixing in a scotogenic model. In PHYSICS LETTERS B. ISSN 0370-2693, APR 10 2020, vol. 803., Registrované v: WOS

13. [1.1] GAITAN, R. - MONTES DE OCA, J. H. - ORDUZ-DUCUARA, J. A. Probing flavor parameters in the scalar sector and new bounds for the fermion sector. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2017, vol., no. 7, art. no. 073B02., Registrované v: WOS

14. [1.1] GURSKAYA, A. V. - DOLGOPOLOV, M. V. - RYKOVA, E. N. Higgs bosons in standard model extensions. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, 2017, vol. 48, no. 5, pp. 822-826., Registrované v: WOS

15. [1.1] HAMMAD, Ahmed - KHALIL, Shaaban - UN, Cem Salih. Large $BR(h \rightarrow \tau\mu)$ in supersymmetric models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055028., Registrované v: WOS

16. [1.1] HEECK, Julian. Interpretation of lepton flavor violation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015022.,

Registrované v: WOS

17. [1.1] HONG, T.T. - HUNG, H.T. - PHUONG, H.H. - PHUONG, L.T.T. - HUE, L.T. Lepton-flavor-violating decays of the SM-like Higgs boson $h \rightarrow e(i)e(j)$, and $e(i) \rightarrow e(j)\gamma$ in a flipped 3-3-1 model. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, APR 2020, vol. 2020, no. 4., Registrované v: WOS

18. [1.1] CHAKRABORTY, Indrani - MUKHOPADHYAYA, Biswarup - MONDAL, Subhadeep. Lepton flavor violating Higgs boson decay at $e(+)e(-)$ colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 115020., Registrované v: WOS

19. [1.1] CHAMORRO-SOLANO, S. - MOYOTL, A. - PEREZ, M. A. Lepton flavor changing Higgs boson decays in a two Higgs doublet model with a fourth generation of fermions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 7, art. no. 075003., Registrované v: WOS

20. [1.1] CHATTOPADHYAY, U. - DAS, D. - MUKHERJEE, S. Probing lepton flavor violating decays in MSSM with non-holomorphic soft terms. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 1 2020, no. 6., Registrované v: WOS

21. [1.1] CHIANG, Cheng-Wei - FUKUDA, Hajime - TAKEUCHI, Michihisa - YANAGIDA, Tsutomu T. Current status of top-specific variant axion model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 035015., Registrované v: WOS

22. [1.1] CHOUDHURY, Debajyoti - KUNDU, Anirban - NANDI, Soumitra - PATRA, Sunando Kumar. Unified resolution of the $R(D)$ and $R(D^*)$ anomalies and the lepton flavor violating decay $h \rightarrow \mu \tau$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035021., Registrované v: WOS

23. [1.1] CHOUDHURY, D. - KUMAR, N. - KUNDU, A. Search for an opposite sign muon-tau pair and a b-jet at the LHC in the context of flavor anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 1 2019, vol. 100, no. 7., Registrované v: WOS

24. [1.1] IBRAHIM, Tarek - ITANI, Ahmad - NATH, Pran - ZORIK, Anas. Flavor violating top decays and flavor violating quark decays of the Higgs boson. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 22, art. no. 1750135., Registrované v: WOS

25. [1.1] LAI, Jie-Ting - YUE, Chong-Xing. Light gauge boson Z' and LFV decays of the electroweak gauge boson Z . In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2017, vol. 32, no. 6, art. no. 1750039., Registrované v: WOS

26. [1.1] MOYOTL, A. - CHAMORRO-SOLANO, S. - PEREZ, M. A. The $h \rightarrow \mu \tau$ decay in a two Higgs doublet model with a fourth generation of fermions. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 287, pp. 205-207., Registrované v: WOS

27. [1.1] NARDECCHIA, M. New Physics and flavour-violating processes. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2017, vol. 40, no. 1, art. no. 33., Registrované v: WOS

28. [1.1] NEBOT, Miguel. Phenomenological prospects for two Higgs doublet models with controlled FCNC. In FIFTH SYMPOSIUM ON

PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES. ISSN 1742-6588, 2017, vol. 873, art. no. UNSP 012038., Registrované v: WOS
 29. [1.1] NGUYEN, T. Phong - LE, T. Thuy - HONG, T. T. - HUE, L. T. Decay of standard-model-like Higgs boson $h \rightarrow \mu \tau$ in a 3-3-1 model with inverse seesaw neutrino masses. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 073003., Registrované v: WOS
 30. [1.1] YANG, Bingfang - HAN, Jinzhong - LIU, Ning. Lepton flavor violating Higgs boson decay $h \rightarrow \mu \tau$ in the littlest Higgs model with T parity. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035010., Registrované v: WOS

ADCA928 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABED ABUD, A. - ABELING, K. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for light long-lived neutral particles produced in pp collisions at $\sqrt{s}=13$ TeV and decaying into collimated leptons or light hadrons with the ATLAS detector. In *European Physical Journal C*, 2020, vol. 80, no. 5, art. no. 450. (2019: 4.389 - IF, Q1 - JCR, 1.763 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-020-7997-4>

Ohlasy:

1. [1.1] BHATTACHERJEE, B. - MUKHERJEE, S. - SENGUPTA, R. - SOLANKI, P. Triggering long-lived particles in HL-LHC and the challenges in the first stage of the trigger system. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 27 2020, no. 8., Registrované v: WOS
2. [1.1] COHEN, T. - DOSS, J. - FREYTSIS, M. Jet substructure from dark sector showers. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 17 2020, no. 9., Registrované v: WOS
3. [1.1] LONGARINI, I. Search for Dark Photons decaying to Lepton-Jets with the ATLAS detector at the LHC. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, MAR-JUN 2020, vol. 43, no. 2-3., Registrované v: WOS

ADCA929 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for light resonances decaying to boosted quark pairs and produced in association with a photon or a jet in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Physics Letters B*, 2019, vol. 788, p. 316-335. (2018: 4.162 - IF, Q2 - JCR, 1.806 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.09.062>

Ohlasy:

1. [1.1] BAUM, S. - CATENA, R. - KRAUSS, M.B. Constraints on new scalar and vector mediators from LHC dijet searches. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, MAY 2020, vol. 47, no. 5., Registrované v: WOS
2. [1.1] EGANA-UGRINOVIC, D. - HOMILLER, S. - MEADE, P. Higgs bosons with large couplings to light quarks. In PHYSICAL REVIEW D. ISSN 1550-7998, DEC 23 2019, vol. 100, no. 11., Registrované v: WOS
3. [1.1] EL HEDRI, S. - NORDSTROM, K. Whac-a-constraint with anomaly-free dark matter models. In SCIPOST PHYSICS. ISSN 2542-4653,

FEB 2019, vol. 6, no. 2., Registrované v: WOS

4. [1.1] FREYTSIS, M. - HARRIS, P. - HINZMANN, A. - MOULT, I. - TRAN, N. - VERNIERI, C. Prospects for a measurement of the W boson mass in the all-jets final state at hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 1 2019, no. 2., Registrované v: WOS

5. [1.1] KAMADA, A. - YAMADA, M. - YANAGIDA, T.T. Self-interacting dark matter with a vector mediator: kinetic mixing with the $U(1)((B-L)^3)$ gauge boson. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 5 2019, no. 3., Registrované v: WOS

6. [1.1] KANG, Y.J. - LEE, H.M. Lightening gravity-mediated dark matter. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 3 2020, vol. 80, no. 7., Registrované v: WOS

7. [1.1] NAPOLETANO, Davide - SOYEZ, Gregory. Computing Nsubjettiness for boosted jets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 031., Registrované v: WOS

8. [1.1] PEREZ, P.F. - GOLIAS, E. - LI, R.H. - MURGUI, C. Leptophobic dark matter and the baryon number violation scale. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 11 2019, vol. 99, no. 3., Registrované v: WOS

9. [1.1] PRIMULANDO, R. - JULIO, J. - UTTAYARAT, P. Collider constraints on lepton flavor violation in the 2HDM. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 20 2020, vol. 101, no. 5., Registrované v: WOS

ADCA930 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in $\sqrt{s}=7$ TeV proton-proton collisions. In *European Physical Journal C*, 2012, vol. 72, no. 11, art. no. 2237. (2011: 3.631 - IF, Q2 - JCR, 2.962 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-012-2237-1>

Ohlasy:

1. [1.1] BARTL, A. - EBERL, H. - GININA, E. - HIDAKA, K. - MAJEROTTO, W. $h(0) \rightarrow c\bar{c}$ as a test case for quark flavor violation in the MSSM. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 015007., Registrované v: WOS

2. [1.1] DERCKS, Daniel - MOORTGAT-PICK, Gudrid - REUTER, Juergen - SHIM, So Young. The fate of the littlest Higgs model with T-parity under 13 TeV LHC data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 049., Registrované v: WOS

3. [1.1] HAN, T. - ISMAIL, A. - HAGHI, B.S.E. SUSY signals from QCD production at the upgraded LHC. In PHYSICS LETTERS B. ISSN 0370-2693, JUN 10 2019, vol. 793, p. 354-359., Registrované v: WOS

4. [1.1] KHAN, R.M. - AL-JUAID, M. - AL-MUTAIRI, H. - BIBIN, G. - ALCHIN, J. - MATROUD, A. - BURROWS, V. - TAN, I. - ZAYER, S. - NAIDV, B. - KALANTAN, B. - ARABI, Y.M. Implementing the comprehensive unit-based safety program model to improve the management of mechanically ventilated patients in Saudi Arabia. In AMERICAN JOURNAL OF INFECTION CONTROL. ISSN 0196-6553, JAN 2019, vol. 47, no. 1, p. 51-58., Registrované v: WOS

5. [1.1] KING, S. F. - MUEHLLEITNER, M. - NEVZOROV, R. -

WALZ, K. Exploring the CP-violating NMSSM: EDM constraints and phenomenology. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 901, pp. 526-555., Registrované v: WOS

6. [1.1] LIU, G.L. - ZENG, Q.G. Muon g-2 anomaly confronted with the higgs global data in the left-right twin Higgs models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 19 2019, vol. 79, no. 7., Registrované v: WOS

ADCA931 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for light top squark pair production in final states with leptons and b-jets with the ATLAS detector in root s=7 TeV proton-proton collisions. In *Physics Letters B*, 2013, vol. 720, no. 1-3, p. 13-31. (2012: 4.569 - IF, Q1 - JCR, 3.353 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2013.01.049>

Ohlasy:

1. [1.1] BARTL, A. - EBERL, H. - GININA, E. - HIDAKA, K. - MAJEROTTO, W. $h(0) > c(c)$ as a test case for quark flavor violation in the MSSM. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 015007., Registrované v: WOS

2. [1.1] COSTA, Raul - MUHLLEITNER, Margarete - SAMPAIO, Marco O. P. - SANTOS, Rui. Singlet extensions of the standard model at LHC Run 2: benchmarks and comparison with the NMSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art. no. 034., Registrované v: WOS

3. [1.1] DING, Ran - LI, Tianjun - WANG, Liucheng - ZHU, Bin. Towards the natural gauge mediation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 10, art. no. 154., Registrované v: WOS

4. [1.1] KING, S. F. - MUEHLEITNER, M. - NEVZOROV, R. - WALZ, K. Exploring the CP-violating NMSSM: EDM constraints and phenomenology. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 901, pp. 526-555., Registrované v: WOS

5. [1.1] KONAR, Partha - MONDAL, Tanmoy - SWAIN, Abhaya Kumar. Constraining slepton and chargino through compressed top squark search. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 4, art. no. 024., Registrované v: WOS

6. [1.1] MUEHLEITNER, Margarete - DAO THI NHUNG - ZIESCHE, Hanna. The order $O(\alpha(t)\alpha(s))$ corrections to the trilinear Higgs self-couplings in the complex NMSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 12, art. no. 034., Registrované v: WOS

7. [1.1] MUEHLEITNER, Margarete - DAO THI NHUNG - RZEHAKE, Heidi - WALZ, Kathrin. Two-loop contributions of the order $O(\alpha(t)\alpha(s))$ to the masses of the Higgs bosons in the CP-violating NMSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 5, art. no. 128., Registrované v: WOS

ADCA932 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for long-lived charginos based on a disappearing-track signature in pp

collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2018, no. 6, art. no. 022. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP06\(2018\)022](https://doi.org/10.1007/JHEP06(2018)022)

Ohlasy:

1. [1.1] ARCADI, G. - DJOUADI, A. - RAIDAL, M. Dark Matter through the Higgs portal. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, FEB 3 2020, vol. 842, p. 1-180., Registrované v: WOS
2. [1.1] BELYAEV, A. - CACCIAPAGLIA, G. - MCKAY, J. - MARIN, D. - ZERWEKH, A.R. Minimal spin-one isotriplet dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 6 2019, vol. 99, no. 11., Registrované v: WOS
3. [1.1] BORAH, D. - NANDA, D. - NARENDRA, N. - SAHU, N. Right-handed neutrino dark matter with radiative neutrino mass in gauged B - L model. In NUCLEAR PHYSICS B. ISSN 0550-3213, JAN 2020, vol. 950., Registrované v: WOS
4. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
5. [1.1] DOMINGO, F. - KIM, J.S. - LOZANO, V.M. - MARTIN-RAMIRO, P. - DE AUSTRI, R.R. Confronting the neutralino and chargino sector of the NMSSM with the multilepton searches at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 8 2020, vol. 101, no. 7., Registrované v: WOS
6. [1.1] FERRARI, S. - HAMBYE, T. - HEECK, J. - TYTGAT, M.H.G. SO(10) paths to dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 25 2019, vol. 99, no. 5., Registrované v: WOS
7. [1.1] GHOSH, D.K. - HUITU, K. - MONDAL, S. - MITRA, M. Same-sign trilepton signal for stop quark in the presence of sneutrino dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, APR 15 2019, vol. 99, no. 7., Registrované v: WOS
8. [1.1] GOODSELL, M.D. - KRAML, S. - REYES-GONZALEZ, H. - WILLIAMSON, S.L. Constraining electroweakinos in the minimal Dirac gaugino model. In SCIPOST PHYSICS. ISSN 2542-4653, OCT 2020, vol. 9, no. 4., Registrované v: WOS
9. [1.1] HAN, Tao - MUKHOPADHYAY, Satyanarayan - WANG, Xing. Electroweak dark matter at future hadron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035026., Registrované v: WOS
10. [1.1] HELO, J.C. - HIRSCH, M. - OTA, T. Proton decay at one loop. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 20 2019, vol. 99, no. 9., Registrované v: WOS
11. [1.1] CHIGUSA, S. - EMA, Y. - MOROI, T. Probing electroweakly interacting massive particles with Drell-Yan process at 100 TeV hadron colliders. In PHYSICS LETTERS B. ISSN 0370-2693, FEB 10 2019, vol. 789, p. 106-113., Registrované v: WOS
12. [1.1] JANA, Sudip - OKADA, Nobuchika - RAUT, Digesh. Displaced vertex signature of type-I seesaw model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035023., Registrované v: WOS

13. [1.1] KECELI, A.S. - BANDYOPADHYAY, P. - HUITU, K. Long-lived triplinos and displaced lepton signals at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, APR 17 2019, vol. 79, no. 4., Registrované v: WOS
14. [1.1] PYARELAL, A. - SU, S.F. Higgs assisted razor search for Higgsinos at a 100 TeV pp collider. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, APR 17 2020, vol. 63, no. 10., Registrované v: WOS
15. [1.1] RINCHIUSO, Lucia - RODD, Nicholas L. - MOULT, Ian - MOULIN, Emmanuel - BAUMGART, Matthew - COHEN, Timothy - SLATYER, Tracy R. - STEWART, Iain W. - VAIDYA, Varun. Hunting for heavy winos in the Galactic Center. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 12, art. no. 123014., Registrované v: WOS
16. [1.1] SMARANDA, D.D. - MILLER, D.J. Scherk-Schwarz orbifolds at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS

ADCA933 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Search for Long-Lived Massive Charged Particles in 1.96 TeV p(p)over-bar Collisions. In *Physical Review Letters*, 2009, vol. 103, no. 2, art. no. 021802. (2008: 7.180 - IF, Q1 - JCR, 6.194 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.103.021802>

Ohlasy:

1. [1.1] DI LUZIO, Luca - GROEBER, Ramona - KAMENIK, Jernej F. - NARDECCHIA, Marco. Accidental matter at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 7, art. no. 074., Registrované v: WOS
2. [1.1] DU, Guangle - LI, Tianjun - NANOPOULOS, D. V. - RAZA, Shabbar. Supernatural MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 2, art. no. 025038., Registrované v: WOS
3. [1.1] LIU, Zhen - TWEEDIE, Brock. The fate of long-lived superparticles with hadronic decays after LHC Run 1. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 042., Registrované v: WOS

ADCA934 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at root s=8 Tev with the ATLAS detector. In *Journal of High Energy Physics*, 2014, no. 11, art. no. 088. (2013: 6.220 - IF, Q1 - JCR, 1.173 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1029-8479.

Ohlasy:

1. [1.1] ABDUSSALAM, S. - CABRERA, M.E. Revealing mass-degenerate states in Higgs boson signals. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 2019, vol. 79, no. 12., Registrované v: WOS
2. [1.1] ABDUSSALAM, S.S. Testing Higgs boson scenarios in the phenomenological NMSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN

- 1434-6044, MAY 25 2019, vol. 79, no. 5., Registrované v: WOS
3. [1.1] ALMARASHI, M. M. Discovery potential of the NMSSM CP-odd Higgs at the LHC. In RESULTS IN PHYSICS. ISSN 2211-3797, 2018, vol. 10, pp. 799-804., Registrované v: WOS
4. [1.1] ALMARASHI, M. M. The second lightest CP-even Higgs boson signals in the NMSSM at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 10, art. no. 1850071., Registrované v: WOS
5. [1.1] AMBROGI, Federico - KRAML, Sabine - KULKARNI, Suchita - LAA, Ursula - LESSA, Andre - WALTENBERGER, Wolfgang. On the coverage of the pMSSM by simplified model results. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 215., Registrované v: WOS
6. [1.1] ANDERSEN, Jens O. - GORDA, Tyler - HELSET, Andreas - NIEMI, Lauri - TENKANEN, Tuomas V. - TRANBERG, Anders - VUORINEN, Aleksi - WEIR, David J. Nonperturbative Analysis of the Electroweak Phase Transition in the Two Higgs Doublet Model. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 19, art. no. 191802., Registrované v: WOS
7. [1.1] ARCADI, Giorgio - LINDER, Manfred - QUEIROZ, Farinaldo S. - RODEJOHANN, Werner - VOGL, Stefan. Pseudoscalar mediators: a WIMP model at the neutrino floor. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 3, art. no. 042., Registrované v: WOS
8. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. - MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of heavy Higgs bosons decaying invisibly at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS
9. [1.1] ARGUELLES, Carlos A. - HE, Xiao-Gang - OYANESYAN, Grigory - PENG, Tao - RAMSEY-MUSOLF, Michael J. Dark gauge bosons: LHC signatures of non-abelian kinetic mixing. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 770, pp. 101-107., Registrované v: WOS
10. [1.1] BAHMANI, M. - KALINOWSKI, J. - KOTLARSKI, W. - RICHTER-WAS, E. - WAS, Z. Production of tau tau j j final states at the LHC and the TauSpinner algorithm: the spin-2 case. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 1, art. no. 10., Registrované v: WOS
11. [1.1] BANDYOPADHYAY, Priyotosh - COSTANTINI, Antonio. Distinguishing charged Higgs bosons from different representations at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 1, art. no. 067., Registrované v: WOS
12. [1.1] BARMAN, R.K. - BHATTACHERJEE, B. - CHOUDHURY, A. - CHOWDHURY, D. - LAHIRI, J. - RAY, S. Current status of MSSM Higgs sector with LHC 13 TeV data. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, APR 2019, vol. 134, no. 4., Registrované v: WOS
13. [1.1] BAUM, Sebastian - FREESE, Katherine - SHAH, Nausheen R. - SHAKYA, Bibhushan. NMSSM Higgs boson search strategies at the LHC and the mono-Higgs signature in particular. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115036., Registrované v: WOS
14. [1.1] BAUM, S. - SHAH, N.R. - FREESE, K. The NMSSM is within

reach of the LHC: mass correlations & decay signatures. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 1 2019, no. 4., Registrované v: WOS

15. [1.1] BECIREVIC, Damir - MELIC, Blazenska - PATRA, Monalisa - SUMENSARI, Olcyr. Seeking a CP-odd Higgs boson via $h \rightarrow \eta c, b\bar{b}$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 015008., Registrované v: WOS

16. [1.1] BLINOV, Nikita - IZAGUIRRE, Eder - SHUVE, Brian. Rare Z boson decays to a hidden sector. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 015009., Registrované v: WOS

17. [1.1] CANKOČAK, K. - DEMIR, D. - KARAHAN, C. - SEN, S. Electroweak stability and discovery luminosities for new physics. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 2020, vol. 80, no. 12., Registrované v: WOS

18. [1.1] CASTANEDA, A. A search for beyond the Standard Model physics using a final state with light and boosted muon pairs at the CMS experiment. In FRONTIERS IN THEORETICAL AND APPLIED PHYSICS/UAE 2017 (FTAPS 2017). ISSN 1742-6588, 2017, vol. 869, art. no. 012046., Registrované v: WOS

19. [1.1] DAWSON, S. - LEWIS, I. M. Singlet model interference effects with high scale UV physics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015004., Registrované v: WOS

20. [1.1] DEPPISCH, F.F. - KULKARNI, S. - LIU, W. Searching for a light Z' through Higgs production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 11 2019, vol. 100, no. 11., Registrované v: WOS

21. [1.1] FAROUGHY, Darius A. - GRELJO, Admir - KAMENIK, Jernej F. Confronting lepton flavor universality violation in B decays with high-p(T) tau lepton searches at LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 764, pp. 126-134., Registrované v: WOS

22. [1.1] FUCHS, Elina - WEIGLEIN, Georg. Impact of CP-violating interference effects on MSSM Higgs searches. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 2, art. no. 87., Registrované v: WOS

23. [1.1] FUYUTO, K. - HE, X.G. - LI, G. - RAMSEY-MUSOLF, M. CP-violating dark photon interaction. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 8 2020, vol. 101, no. 7., Registrované v: WOS

24. [1.1] HERNANDEZ-JUAREZ, A. I. - TAVARES-VELASCO, G. - MOYOTL, A. Chromomagnetic and chromoelectric dipole moments of the top quark in the fourth-generation THDM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035040., Registrované v: WOS

25. [1.1] CHAKRABORTY, Amit - MAITRA, Ushoshi - RAYCHAUDHURI, Sreerup - SAMUI, Tousik. Mixed Higgs-radion states at the LHC a detailed study. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 922, pp. 41-61., Registrované v: WOS

26. [1.1] CHAKRABORTY, Amit - IYER, Abhishek M. - ROY, Tuhin S. A framework for finding anomalous objects at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 932, pp. 439-470., Registrované v: WOS

27. [1.1] CHATTOPADHYAY, U. - DAS, D. - MUKHERJEE, S. Probing lepton flavor violating decays in MSSM with non-holomorphic soft

- terms. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 1 2020, no. 6., Registrované v: WOS
28. [1.1] CHOWDHURY, Debtosh - EBERHARDT, Otto. Update of global Two-Higgs-Doublet model fits. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 161., Registrované v: WOS
29. [1.1] CHO, Jin-Hwan - KIM, Tae Young - SONG, Jeonghyeon. Constraints from Heavy Higgs Boson Masses in the two Higgs Doublet Model. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2018, vol. 73, no. 3, pp. 289-296., Registrované v: WOS
30. [1.1] IGURO, Syuhei - TOBE, Kazuhiro. $R(D^{(*)})$ in a general two Higgs doublet model. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 925, pp. 560-606., Registrované v: WOS
31. [1.1] JANA, Sudip - OKADA, Nobuchika - RAUT, Digesh. Displaced vertex signature of type-I seesaw model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035023., Registrované v: WOS
32. [1.1] KAINULAINEN, K. - KEUS, V. - NIEMI, L. - RUMMUKAINEN, K. - TENKANEN, T.V.I. - VASKONEN, V. On the validity of perturbative studies of the electroweak phase transition in the Two Higgs Doublet model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 17 2019, no. 6., Registrované v: WOS
33. [1.1] KANG, Sin Kyu - QIAN, Zhuoni - SONG, Jeonghyeon - YOON, Yeo Woong. Confronting the fourth generation two-Higgs-doublet model with the phenomenology of heavy Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095025., Registrované v: WOS
34. [1.1] KEUS, Venus - KOIVUNENA, Niko - TUOMINEN, Kimmo. Singlet scalar and 2HDM extensions of the Standard Model: CP-violation and constraints from $(g-2)_{\mu}$ and eEDM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 059., Registrované v: WOS
35. [1.1] KIM, C.S. - PARK, S.C. - SAHOO, D. Angular distribution as an effective probe of new physics in semihadronic three-body meson decays. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 9 2019, vol. 100, no. 1., Registrované v: WOS
36. [1.1] OBIKHOD, T.V. - PETRENKO, E.A. THE STUDY OF THE PROPERTIES OF THE EXTENDED HIGGS BOSON SECTOR WITHIN hMSSM MODEL. In PROBLEMS OF ATOMIC SCIENCE AND TECHNOLOGY. ISSN 1562-6016, 2019, no. 3, p. 3-10., Registrované v: WOS
37. [1.1] PRZEDZINSKI, T. - RICHTER-WAS, E. - WAS, Z. Documentation of TauSpinner algorithms: program for simulating spin effects in τ -lepton production at LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 30 2019, vol. 79, no. 2., Registrované v: WOS
38. [1.1] RIZZO, T.G. Kinetic mixing and portal matter phenomenology. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 18 2019, vol. 99, no. 11., Registrované v: WOS
39. [1.1] RUETER, T.D. - RIZZO, T.G. Towards a UV model of kinetic mixing and portal matter. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 24 2020, vol. 101, no. 1., Registrované v: WOS
40. [1.1] SCHMALTZ, M. - ZHONG, Y.M. The leptoquark Hunter's guide: large coupling. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 15 2019, no. 1., Registrované v: WOS
41. [1.1] TSAI, Yuhsin - WANG, Lian-Tao - ZHAO, Yue. Faking

ordinary photons by displaced dark photon decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015027., Registrované v: WOS
 42. [1.1] WANG, Lei - SHI, Rongle - HAN, Xiao-Fang. Wrong sign Yukawa coupling of the 2HDM with a singlet scalar as dark matter confronted with dark matter and Higgs data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 115025., Registrované v: WOS
 43. [1.1] WANG, Lei - SHI, Rongle - HAN, Xiao-Fang - ZHU, Bin. Light scalar dark matter extension of the type-II two-Higgs-doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035024., Registrované v: WOS

ADCA935 AABOUD, M. - AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for long-lived neutral particles in pp collisions at $\sqrt{s}=13$ TeV that decay into displaced hadronic jets in the ATLAS calorimeter. In *European Physical Journal C*, 2019, vol. 79, no. 6, art. no. 481. (2018: 4.843 - IF, Q1 - JCR, 1.972 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-019-6962-6>

Ohlasy:

1. [1.1] BHATTACHERJEE, B. - MUKHERJEE, S. - SENGUPTA, R. Study of energy deposition patterns in hadron calorimeter for prompt and displaced jets using convolutional neural network. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 27 2019, no. 11., Registrované v: WOS
2. [1.1] BHATTACHERJEE, B. - MUKHERJEE, S. - SENGUPTA, R. - SOLANKI, P. Triggering long-lived particles in HL-LHC and the challenges in the first stage of the trigger system. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 27 2020, no. 8., Registrované v: WOS
3. [1.1] DU, M.X. - LIU, Z.W. - TRAN, V.Q. Enhanced long-lived dark photon signals at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 12 2020, no. 5., Registrované v: WOS
4. [1.1] SERRA, J. - STELZL, S. - TORRE, R. - WEILER, A. Hypercharged naturalness. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 7 2019, no. 10., Registrované v: WOS
5. [1.1] SHUVE, B. - TUCKER-SMITH, D. Baryogenesis and dark matter from freeze-in. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 18 2020, vol. 101, no. 11., Registrované v: WOS
6. [1.1] VIDAL, X.C. - TSAI, Y. - ZURITA, J. Exclusive displaced hadronic signatures in the LHC forward region. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 20 2020, no. 1., Registrované v: WOS

ADCA936 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for long-lived particles in final states with displaced dimuon vertices in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Physical Review D*, 2019, vol. 99, no. 1, art. no. 012001. (2018: 4.368 - IF, Q1 - JCR, 1.703 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.99.012001>

Ohlasy:

1. [1.1] ABADA, A. - ARCADI, G. - DOMCKE, V. - DREWES, M. - KLARIC, J. - LUCENTE, M. Low-scale leptogenesis with three heavy neutrinos. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 21 2019, no. 1., Registrované v: WOS
2. [1.1] BONDARENKO, K. - BOYARSKY, A. - OVCHYNNIKOV, M. - RUCHAYSKIY, O. - SHCHUTSKA, L. Probing new physics with displaced vertices: Muon tracker at CMS. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 15 2019, vol. 100, no. 7., Registrované v: WOS
3. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
4. [1.1] HELO, J.C. - HIRSCH, M. - OTA, T. Proton decay at one loop. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 20 2019, vol. 99, no. 9., Registrované v: WOS

ADCA937 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for long-lived particles produced in pp collisions at $\sqrt{s}=13$ TeV that decay into displaced hadronic jets in the ATLAS muon spectrometer. In *Physical Review D*, 2019, vol. 99, no. 5, art. no. 052005. (2018: 4.368 - IF, Q1 - JCR, 1.703 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.99.052005>

Ohlasy:

1. [1.1] BONDARENKO, K. - BOYARSKY, A. - OVCHYNNIKOV, M. - RUCHAYSKIY, O. - SHCHUTSKA, L. Probing new physics with displaced vertices: Muon tracker at CMS. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 15 2019, vol. 100, no. 7., Registrované v: WOS
2. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
3. [1.1] DIENES, K.R. - KIM, D. - SONG, H.Y. - SU, S.F. - THOMAS, B. - YAYLALI, D. Nonminimal dark sectors: Mediator-induced decay chains and multijet collider signatures. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 15 2020, vol. 101, no. 7., Registrované v: WOS
4. [1.1] HELO, J.C. - HIRSCH, M. - OTA, T. Proton decay at one loop. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 20 2019, vol. 99, no. 9., Registrované v: WOS
5. [1.1] KILIC, C. - NAJJARI, S. - VERHAAREN, C.B. Discovering the twin Higgs boson with displaced decays. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 29 2019, vol. 99, no. 7., Registrované v: WOS
6. [1.1] RIZZO, T.G. Kinetic mixing and portal matter phenomenology. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 18 2019, vol. 99, no. 11., Registrované v: WOS
7. [1.1] RUETER, T.D. - RIZZO, T.G. Towards a UV model of kinetic mixing and portal matter. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 24 2020, vol. 101, no. 1., Registrované v: WOS
8. [1.1] SHUVE, B. - TUCKER-SMITH, D. Baryogenesis and dark

matter from freeze-in. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 18 2020, vol. 101, no. 11., Registrované v: WOS

ADCA938 AAD, G. - ABAJYAN, T. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for long-lived stopped R-hadrons decaying out of time with pp collisions using the ATLAS detector. In *Physical Review D*, 2013, vol. 88, no. 11, art. no. 112003. (2012: 4.691 - IF, Q1 - JCR, 2.725 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.88.112003>

Ohlasy:

1. [1.1] ABOUBRAHIM, A. - FENG, W.Z. - NATH, P. A long-lived stop with freeze-in and freeze-out dark matter in the hidden sector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 19 2020, no. 2., Registrované v: WOS
2. [1.1] DU, M.X. - LIU, Z.W. - TRAN, V.Q. Enhanced long-lived dark photon signals at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 12 2020, no. 5., Registrované v: WOS
3. [1.1] EL HEDRI, Sonia - DE VRIES, Maikel. Cornering colored coannihilation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 102., Registrované v: WOS
4. [1.1] ENGLERT, Christoph - JAECKEL, Joerg. Getting stuck! Using monosignatures to test highly ionizing particles. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 769, pp. 513-519., Registrované v: WOS
5. [1.1] GOPALAKRISHNA, Shrihari - MUKHERJEE, Tuhin Subhra. Gauge-Singlet Vector-Like Fermion Dark Matter, LHC Diphoton Rate, and Direct Detection. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, art. no. 8689270., Registrované v: WOS
6. [1.1] KIM, Jeong Han - LEWIS, Ian M. Loop induced single top partner production and decay at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 095., Registrované v: WOS
7. [1.1] LI, J.M. - LI, T.J. - PEI, J.L. - ZHANG, W.X. Uncovering quirk signal via energy loss inside tracker. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 9 2020, vol. 102, no. 5., Registrované v: WOS
8. [1.1] LI, J.M. - LI, T.J. - PEI, J.L. - ZHANG, W.X. The quirk trajectory. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 21 2020, vol. 80, no. 7., Registrované v: WOS
9. [1.1] MERAFINA, M. - SATURNI, F.G. - CURCEANU, C. - DEL GRANDE, R. - PISCICCHIA, K. Self-gravitating strange dark matter halos around galaxies. In PHYSICAL REVIEW D. ISSN 1550-7998, OCT 15 2020, vol. 102, no. 8., Registrované v: WOS
10. [1.1] WIESEMANN, M. - ROTTOLI, L. - TORRIELLI, P. The Z gamma transverse-momentum spectrum at NNLO+(NLL)-L-3. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS

ADCA939 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for long-lived, heavy particles in final states with a muon and multi-track displaced vertex in proton-proton collisions at root s=7 TeV with the ATLAS detector. In *Physics Letters B*, 2013, vol. 719, no. 4-5, p. 280-298. (2012: 4.569 - IF, Q1 - JCR, 3.353 -

SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na:
<https://doi.org/10.1016/j.physletb.2013.01.042>

Ohlasy:

1. [1.1] ABDALLAH, W. - HAMMAD, A. - KASEM, A. - KHALIL, S. Long-lived B L symmetric SSM particles at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095019., Registrované v: WOS
2. [1.1] ABOUBRAHIM, A. - NATH, P. Detecting hidden sector dark matter at HL-LHC and HE-LHC via long-lived stau decays. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 27 2019, vol. 99, no. 5., Registrované v: WOS
3. [1.1] ANTUSCH, S. - FISCHER, O. - HAMMAD, A. - SCHERB, C. Low scale type II seesaw: present constraints and prospects for displaced vertex searches. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 25 2019, no. 2., Registrované v: WOS
4. [1.1] BARDUCCI, D. - BERTUZZO, E. - CAPUTO, A. - HERNANDEZ, P. Minimal flavor violation in the see-saw portal. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 30 2020, no. 6., Registrované v: WOS
5. [1.1] BOYANOVSKY, Daniel - CHEN, Junmou. Kinetic mixing between a Higgs boson and a nearly degenerate dark scalar: Oscillations and displaced vertices. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 096007., Registrované v: WOS
6. [1.1] CRAIG, Nathaniel - KATZ, Andrey - STRASSLER, Matt - SUNDRUM, Raman. Naturalness in the dark at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 7, art. no. 105., Registrované v: WOS
7. [1.1] DEPPISCH, Frank F. - LIU, Wei - MITRA, Manimala. Long-lived heavy neutrinos from Higgs decays. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 181., Registrované v: WOS
8. [1.1] EVANS, Jared A. - SHELTON, Jessie. Long-lived staus and displaced leptons at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 056., Registrované v: WOS
9. [1.1] FUKUDA, Hajime - NAGATA, Natsumi - OTONO, Hidetoshi - SHIRAI, Satoshi. Higgsino dark matter or not: Role of disappearing track searches at the LHC and future colliders. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 781, pp. 306-311., Registrované v: WOS
10. [1.1] GHOSH, Dilip Kumar - MONDAL, Subhadeep - SAHA, Ipsita. Confronting the galactic center gamma-ray excess with a light scalar dark matter. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2015, no. 2, art. no. 035., Registrované v: WOS
11. [1.1] JANA, Sudip - OKADA, Nobuchika - RAUT, Digesh. Displaced vertex signature of type-I seesaw model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035023., Registrované v: WOS
12. [1.1] LIU, Zhen - TWEEDIE, Brock. The fate of long-lived superparticles with hadronic decays after LHC Run 1. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 042., Registrované v: WOS
13. [1.1] LUJAN, P. - HALYO, V. Massively parallel computing at the

Large Hadron Collider up to the HL-LHC. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2015, vol. 10, art. no. C09003., Registrované v: WOS

14. [1.1] LUSIANI, Alberto. Dark sector and Light New Physics searches in BABAR. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 287, pp. 189-194., Registrované v: WOS

15. [1.1] NAGATA, Natsumi - OTONO, Hidetoshi - SHIRAI, Satoshi. Probing Bino-Wino coannihilation at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 10, art. no. 086., Registrované v: WOS

16. [1.1] NAGATA, Natsumi - OTONO, Hidetoshi - SHIRAI, Satoshi. Probing bino-gluino coannihilation at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 748, pp. 24-29., Registrované v: WOS

17. [1.1] ZWANE, Nosiphiwo. Long-lived particle searches in R-parity violating MSSM. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 10, art. no. 105003., Registrované v: WOS

ADCA940 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for long-lived, massive particles in events with displaced vertices and missing transverse momentum in root S=13 TeV pp collisions with the ATLAS detector. In *Physical Review D*, 2018, vol. 97, no. 5, art. no. 052012. (2017: 4.394 - IF, Q1 - JCR, 1.801 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.97.052012>

Ohlasy:

1. [1.1] ABOUBRAHIM, A. - NATH, P. Detecting hidden sector dark matter at HL-LHC and HE-LHC via long-lived stau decays. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 27 2019, vol. 99, no. 5., Registrované v: WOS

2. [1.1] AHMED, W. - MANSHA, A. - LI, T.J. - RAZA, S. - ROY, J. - XU, F.Z. The upper bounds on supersymmetry breaking scales in split supersymmetry from the Higgs mass and electroweak vacuum stability. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, APR 2020, vol. 2020, no. 4., Registrované v: WOS

3. [1.1] BELANGER, G. - DESAI, N. - GOUDELIS, A. - HARZ, J. - LESSA, A. - NO, J.M. - PUKHOV, A. - SEKMEN, S. - SENGUPTA, D. - ZALDIVAR, B. - ZURITA, J. LHC-friendly minimal freeze-in models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 27 2019, no. 2., Registrované v: WOS

4. [1.1] BHATTACHERJEE, B. - MUKHERJEE, S. - SENGUPTA, R. - SOLANKI, P. Triggering long-lived particles in HL-LHC and the challenges in the first stage of the trigger system. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 27 2020, no. 8., Registrované v: WOS

5. [1.1] BONDARENKO, K. - BOYARSKY, A. - OVCHYNNIKOV, M. - RUCHAYSKIY, O. - SHCHUTSKA, L. Probing new physics with displaced vertices: Muon tracker at CMS. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 15 2019, vol. 100, no. 7., Registrované v: WOS

6. [1.1] BOOS, E. - VOLOBUEV, I. Simple standard model extension

- by heavy charged scalar. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095014., Registrované v: WOS
7. [1.1] BORAH, D. - NANDA, D. - NARENDRA, N. - SAHU, N. Right-handed neutrino dark matter with radiative neutrino mass in gauged B - L model. In NUCLEAR PHYSICS B. ISSN 0550-3213, JAN 2020, vol. 950., Registrované v: WOS
 8. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
 9. [1.1] DREWES, M. - GIAMMANCO, A. - HAJER, J. - LUCENTE, M. New long-lived particle searches in heavy-ion collisions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 3 2020, vol. 101, no. 5., Registrované v: WOS
 10. [1.1] DREWES, M. - HAJER, J. Heavy neutrinos in displaced vertex searches at the LHC and HL-LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 11 2020, no. 2., Registrované v: WOS
 11. [1.1] DUMITRU, S. - HERWIG, C. - OVRUT, B.A. R-parity violating decays of Bino neutralino LSPs at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 5 2019, no. 12., Registrované v: WOS
 12. [1.1] DU, M.X. - LIU, Z.W. - TRAN, V.Q. Enhanced long-lived dark photon signals at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 12 2020, no. 5., Registrované v: WOS
 13. [1.1] EVANS, J.A. - LUTY, M.A. Stopping quirks at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 18 2019, no. 6., Registrované v: WOS
 14. [1.1] EVANS, J.L. - NAGATA, N. - OLIVE, K.A. A minimal SU(5) SuperGUT in pure gravity mediation. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 11 2019, vol. 79, no. 6., Registrované v: WOS
 15. [1.1] FRANK, M. - FUKS, B. - OZDAL, O. Natural dark matter and light bosons with an alternative left-right symmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 20 2020, no. 4., Registrované v: WOS
 16. [1.1] FRANK, M. - MAJUMDAR, C. - POULOSE, P. - SENAPATI, S. - YAJNIK, U.A. Exploring $0\nu\beta\beta$ and leptogenesis in the alternative left-right model. In PHYSICAL REVIEW D. ISSN 1550-7998, OCT 19 2020, vol. 102, no. 7., Registrované v: WOS
 17. [1.1] HELO, J.C. - HIRSCH, M. - OTA, T. Proton decay at one loop. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 20 2019, vol. 99, no. 9., Registrované v: WOS
 18. [1.1] HOOK, A. - KUMAR, S. - LIU, Z. - SUNDRUM, R. High Quality QCD Axion and the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, JUN 1 2020, vol. 124, no. 22., Registrované v: WOS
 19. [1.1] CHAKRABORTY, Amit - KUTTIMALAI, Silvan - LIM, Sung Hak - NOJIRI, Mihoko M. - RUIZ, Richard. Monojet signatures from heavy colored particles: future collider sensitivities and theoretical uncertainties. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 8, art. no. 679., Registrované v: WOS
 20. [1.1] JANA, Sudip - OKADA, Nobuchika - RAUT, Digesh. Displaced vertex signature of type-I seesaw model. In PHYSICAL REVIEW D.

- ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035023., Registrované v: WOS
21. [1.1] KILIC, C. - NAJJARI, S. - VERHAAREN, C.B. Discovering the twin Higgs boson with displaced decays. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 29 2019, vol. 99, no. 7., Registrované v: WOS
22. [1.1] KIM, J.S. - POKORSKI, S. - ROLBIECKI, K. - SAKURAI, K. Gravitino vs. neutralino LSP at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 11 2019, no. 9., Registrované v: WOS
23. [1.1] MUMMIDI, V.S. - PATEL, K.M. Precision unification and Higgsino dark matter in GUT scale supersymmetry. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 3 2020, vol. 101, no. 11., Registrované v: WOS
24. [1.1] NEMEVSEK, Miha - NESTI, Fabrizio - POPARA, Goran. Keung-Senjanovic process at the LHC: From lepton number violation to displaced vertices to invisible decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115018., Registrované v: WOS
25. [1.1] NO, J.M. - TUNNEY, P. - ZALDIVAR, B. Probing dark matter freeze-in with long-lived particle signatures: MATHUSLA, HL-LHC and FCC-hh. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 4 2020, no. 3., Registrované v: WOS
26. [1.1] SHUVE, B. - TUCKER-SMITH, D. Baryogenesis and dark matter from freeze-in. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 18 2020, vol. 101, no. 11., Registrované v: WOS
27. [1.1] SMARANDA, D.D. - MILLER, D.J. Scherk-Schwarz orbifolds at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS
28. [1.1] VIDAL, X.C. - TSAI, Y. - ZURITA, J. Exclusive displaced hadronic signatures in the LHC forward region. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 20 2020, no. 1., Registrované v: WOS

ADCA941 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABED ABUD, A. - ABELING, K. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for long-lived, massive particles in events with a displaced vertex and a muon with large impact parameter in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Physical Review D*, 2020, vol. 102, no. 3, art. no. 032006. (2019: 4.833 - IF, Q1 - JCR, 1.664 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.102.032006>

Ohlasy:

1. [1.1] FRANK, M. - MAJUMDAR, C. - POULOSE, P. - SENAPATI, S. - YAJNIK, U.A. Exploring 0 nu beta beta and leptogenesis in the alternative left-right model. In PHYSICAL REVIEW D. ISSN 1550-7998, OCT 19 2020, vol. 102, no. 7., Registrované v: WOS

ADCA942 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCÉI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for long-lived, multi-charged particles in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. In *Physics Letters B*, 2013, vol. 722, no. 4-5, p. 305-323. (2012: 4.569 - IF, Q1 - JCR, 3.353 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2013.04.036>

Ohlasy:

1. [1.1] ALVARADO, C. - DELGADO, A. - MARTIN, A. - OSTDIEK, B. Dirac triplet extension of the MSSM. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 035009., Registrované v: WOS
2. [1.1] ANTUSCH, S. - FISCHER, O. - HAMMAD, A. - SCHERB, C. Low scale type II seesaw: present constraints and prospects for displaced vertex searches. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 25 2019, no. 2., Registrované v: WOS
3. [1.1] BELOTSKY, K. - KHLOPOV, M. - KOUVARIS, C. - LALETIN, M. High-energy positrons and gamma radiation from decaying constituents of a two-component dark atom model. In INTERNATIONAL JOURNAL OF MODERN PHYSICS D. ISSN 0218-2718, 2015, vol. 24, no. 13, art. no. 1545004., Registrované v: WOS
4. [1.1] BIONDINI, S. - PANELLA, O. Exotic leptons at future linear colliders. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 015023., Registrované v: WOS
5. [1.1] BOUCHENEB, Idir - CACCIAPAGLIA, Giacomo - DEANDREA, Aldo - FUKS, Benjamin. Revisiting monotop production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 1, art. no. 017., Registrované v: WOS
6. [1.1] CAI, Yi - HAN, Tao - LI, Tong - RUIZ, Richard. Lepton Number Violation: Seesaw Models and Their Collider Tests. In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2018, vol. 6, art. no. 40., Registrované v: WOS
7. [1.1] CARCAMO HERNANDEZ, A. E. - NISANDZIC, Ivan. LHC diphoton resonance at 750 GeV as an indication of $SU(3)(L) \times U(1)(X)$ electroweak symmetry. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 7, art. no. 380., Registrované v: WOS
8. [1.1] CASTILLO, Andres - DELGADO, Rafael L. - DOBADO, Antonio - LLANES-ESTRADA, Felipe J. Top-antitop production from $WL+WL$ - and $Z(L)Z(L)$ scattering under a strongly interacting symmetry-breaking sector. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 7, art. no. 436., Registrované v: WOS
9. [1.1] DELGADO LOPEZ, Rafael. Study of the Electroweak Symmetry Breaking Sector for the LHC Introduction. In STUDY OF THE ELECTROWEAK SYMMETRY BREAKING SECTOR FOR THE LHC. ISSN 2190-5053, 2017, pp. 1-13., Registrované v: WOS
10. [1.1] DELGADO LOPEZ, Rafael. Chiral EW Lagrangian. In STUDY OF THE ELECTROWEAK SYMMETRY BREAKING SECTOR FOR THE LHC. ISSN 2190-5053, 2017, pp. 15-30., Registrované v: WOS
11. [1.1] DELGADO LOPEZ, Rafael. Study of the Parameter Space for the omega omega Scattering. In STUDY OF THE ELECTROWEAK SYMMETRY BREAKING SECTOR FOR THE LHC. ISSN 2190-5053, 2017, pp. 119-146., Registrované v: WOS
12. [1.1] DELGADO, Rafael L. Coupling of $t(\bar{t})$ and gamma gamma with a strongly interacting Electroweak Symmetry Breaking Sector. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 10001., Registrované v: WOS
13. [1.1] DELGADO, Rafael L. - DOBADO, Antonio - LLANES-ESTRADA, Felipe J. Strongly interacting $WLWL$, $Z(L)Z(L)$ and hh from unitarized one-loop computations. In NUCLEAR AND PARTICLE

PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 2436-2438.,
Registrované v: WOS

14. [1.1] DELGADO, Rafael L. - DOBADO, Antonio -
LLANES-ESTRADA, Felipe J. A Strongly Interacting Electroweak Symmetry
Breaking Sector with a Higgs-like light scalar. In XITH CONFERENCE ON
QUARK CONFINEMENT AND HADRON SPECTRUM. ISSN 0094-243X,
2016, vol. 1701, art. no. 090003., Registrované v: WOS

15. [1.1] DELGADO, Rafael L. - DOBADO, Antonio - ESPADA,
Miguel - LLANES-ESTRADA, Felipe J. - LEON MERINO, Ivan. Collider
production of electroweak resonances from states. In JOURNAL OF HIGH
ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 010., Registrované
v: WOS

16. [1.1] DI LUZIO, Luca - GROEBER, Ramona - KAMENIK, Jernej F.
- NARDECCHIA, Marco. Accidental matter at the LHC. In JOURNAL OF
HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 7, art. no. 074.,
Registrované v: WOS

17. [1.1] GLUZA, J. - KORDIACZYNSKA, M. - SRIVASTAVA, T.
Doubly Charged Higgs Bosons and Spontaneous Symmetry Breaking at eV and
TeV Scales. In SYMMETRY-BASEL. JAN 2020, vol. 12, no. 1., Registrované v:
WOS

18. [1.1] GUO, Yu-Chen - YUE, Chong-Xing - LIU, Zhi-Cheng. The
signatures of doubly charged leptons in future linear colliders. In JOURNAL OF
PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017,
vol. 44, no. 8, art. no. 085004., Registrované v: WOS

19. [1.1] KHLOPOV, Maxim Yu. Probes for dark matter physics. In
INTERNATIONAL JOURNAL OF MODERN PHYSICS D. ISSN 0218-2718,
2018, vol. 27, no. 6., Registrované v: WOS

20. [1.1] KHLOPOV, M.Y. Direct and Indirect Probes for Composite
Dark Matter. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JAN 29 2019,
vol. 7., Registrované v: WOS

21. [1.1] KHLOPOV, M.Y. Removing the conspiracy of BSM physics
and BSM cosmology. In INTERNATIONAL JOURNAL OF MODERN
PHYSICS D. ISSN 0218-2718, OCT 2019, vol. 28, no. 13, SI., Registrované v:
WOS

22. [1.1] PATTON, H. - NACHMAN, B. The optimal use of silicon pixel
charge information for particle identification. In NUCLEAR INSTRUMENTS &
METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS
SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN
0168-9002, JAN 1 2019, vol. 913, p. 91-96., Registrované v: WOS

ADCA943 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. -
ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol.
Search for long-lived, weakly interacting particles that decay to displaced hadronic
jets in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In
Physical Review D, 2015, vol. 92, no. 1, art. no. 012010. (2014: 4.643 - IF, Q1 -
JCR, 2.414 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents,
WOS, SCOPUS). ISSN 1550-7998. Dostupné na:
<https://doi.org/10.1103/PhysRevD.92.012010>

Ohlasy:

1. [1.1] AHMED, Aqeel. Heavy Higgs of the Twin Higgs models. In

JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 048., Registrované v: WOS

2. [1.1] ALIPOUR-FARD, S. - CRAIG, N. - GORI, S. - KOREN, S. - REDIGOLO, D. The second Higgs at the lifetime frontier. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 6 2020, no. 7., Registrované v: WOS

3. [1.1] BAKER, Michael J. - KOPP, Joachim. Dark Matter Decay between Phase Transitions at the Weak Scale. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 6, art. no. 061801., Registrované v: WOS

4. [1.1] BEAUCHESNE, Hugues - BERTUZZO, Enrico - DI CORTONA, Giovanni Grilli - TABRIZI, Zahra. Collider phenomenology of Hidden Valley mediators of spin 0 or 1/2 with semivisible jets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 030., Registrované v: WOS

5. [1.1] BERLIN, Asher - GORI, Stefania - SCHUSTER, Philip - TORO, Natalia. Dark sectors at the Fermilab SeaQuest experiment. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035011., Registrované v: WOS

6. [1.1] BHATTACHARYA, B. - GRANT, C.M. - PETROV, A.A. Invisible widths of heavy mesons. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 24 2019, vol. 99, no. 9., Registrované v: WOS

7. [1.1] BURDMAN, Gustavo - LICHTENSTEIN, Gabriela. Displaced vertices from hidden glue. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 146., Registrované v: WOS

8. [1.1] BUTTAZZO, Dario - REDIGOLO, Diego - SALA, Filippo - TESI, Andrea. Fusing vectors into scalars at high energy lepton colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 144., Registrované v: WOS

9. [1.1] CSAKI, Csaba - KUFLIK, Eric - LOMBARDO, Salvator - SLONE, Oren. Searching for displaced Higgs boson decays. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 073008., Registrované v: WOS

10. [1.1] CURTIN, David - DESHPANDE, Kaustubh - FISCHER, Oliver - ZURITA, Jose. New physics opportunities for long-lived particles at electron-proton colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 024., Registrované v: WOS

11. [1.1] CURTIN, David - SUNDRUM, Raman. HIDDEN WORLDS of fundamental particles. In PHYSICS TODAY. ISSN 0031-9228, 2017, vol. 70, no. 6, pp. 46-52., Registrované v: WOS

12. [1.1] DREWES, M. - HAJER, J. Heavy neutrinos in displaced vertex searches at the LHC and HL-LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 11 2020, no. 2., Registrované v: WOS

13. [1.1] DUARTE, Lucia - PERESSUTTI, Javier - SAMPAYO, Oscar A. Not-that-heavy Majorana neutrino signals at the LHC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 2, art. no. 025001., Registrované v: WOS

14. [1.1] FRADETTE, Anthony - POSPELOV, Maxim. BBN for the LHC: Constraints on lifetimes of the Higgs portal scalars. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075033.,

Registrované v: WOS

15. [1.1] GIUDICE, Gian F. - KATS, Yevgeny - MCCULLOUGH, Matthew - TORRE, Riccardo - URBANO, Alfredo. Clockwork/linear dilaton: structure and phenomenology. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 009., Registrované v: WOS
16. [1.1] JANA, Sudip - OKADA, Nobuchika - RAUT, Digesh. Displaced vertex signature of type-I seesaw model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035023., Registrované v: WOS
17. [1.1] KILIC, C. - NAJJARI, S. - VERHAAREN, C.B. Discovering the twin Higgs boson with displaced decays. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 29 2019, vol. 99, no. 7., Registrované v: WOS
18. [1.1] NO, J.M. - TUNNEY, P. - ZALDIVAR, B. Probing dark matter freeze-in with long-lived particle signatures: MATHUSLA, HL-LHC and FCC-hh. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 4 2020, no. 3., Registrované v: WOS
19. [1.1] SERRA, J. - STELZL, S. - TORRE, R. - WEILER, A. Hypercharged naturalness. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 7 2019, no. 10., Registrované v: WOS
20. [1.1] VIDAL, X.C. - TSAI, Y. - ZURITA, J. Exclusive displaced hadronic signatures in the LHC forward region. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 20 2020, no. 1., Registrované v: WOS

ADCA944 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for Low-Mass Dijet Resonances Using Trigger-Level Jets with the ATLAS Detector in pp Collisions at $\sqrt{s}=13$ TeV. In *Physical Review Letters*, 2018, vol. 121, no. 8, art. no. 081801. (2017: 8.839 - IF, Q1 - JCR, 3.622 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.121.081801>

Ohlasy:

1. [1.1] ALTMANNSHOFER, Wolfgang - MADDOCK, Brian. Flavorful two-Higgs-doublet models with a twist. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075005., Registrované v: WOS
2. [1.1] BAKER, M.J. - FUENTES-MARTIN, J. - ISIDORI, G. - KONIG, M. High-p(T) signatures in vector-leptoquark models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, APR 13 2019, vol. 79, no. 4., Registrované v: WOS
3. [1.1] BAUM, S. - CATENA, R. - KRAUSS, M.B. Constraints on new scalar and vector mediators from LHC dijet searches. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, MAY 2020, vol. 47, no. 5., Registrované v: WOS
4. [1.1] DE GOUVEA, A. - HUANG, W.C. - KONIG, J. - SEN, M. Accessible lepton-number-violating models and negligible neutrino masses. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 25 2019, vol. 100, no. 7., Registrované v: WOS
5. [1.1] EGANA-UGRINOVIC, D. - HOMILLER, S. - MEADE, P. Higgs bosons with large couplings to light quarks. In PHYSICAL REVIEW D. ISSN 1550-7998, DEC 23 2019, vol. 100, no. 11., Registrované v: WOS

6. [1.1] EL HEDRI, S. - NORDSTROM, K. Whac-a-constraint with anomaly-free dark matter models. In *SCIPOST PHYSICS*. ISSN 2542-4653, FEB 2019, vol. 6, no. 2., Registrované v: WOS
7. [1.1] IGURO, S. - OMURA, Y. - TAKEUCHI, M. Test of the $R(D^{(*)})$ anomaly at the LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, APR 12 2019, vol. 99, no. 7., Registrované v: WOS
8. [1.1] KANG, Y.J. - LEE, H.M. Lightning gravity-mediated dark matter. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, JUL 3 2020, vol. 80, no. 7., Registrované v: WOS
9. [1.1] KASIECZKA, G. - KIEFER, N. - PLEHN, T. - THOMPSON, J.M. Quark-gluon tagging: Machine learning vs detector. In *SCIPOST PHYSICS*. ISSN 2542-4653, JUN 2019, vol. 6, no. 6., Registrované v: WOS
10. [1.1] NIERSTE, U. - TABET, M. - ZIEGLER, R. Cornering Spontaneous CP Violation with Charged-Higgs-Boson Searches. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, JUL 13 2020, vol. 125, no. 3., Registrované v: WOS

ADCA945 AABOUD, M. - AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for low-mass resonances decaying into two jets and produced in association with a photon using pp collisions $\sqrt{s}=13$ TeV with the ATLAS detector. In *Physics Letters B*, 2019, vol. 795, p. 56-75. (2018: 4.162 - IF, Q2 - JCR, 1.806 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2019.03.067>

Ohlasy:

1. [1.1] BERNREUTHER, E. - KÄHLHOEFER, F. - KRAMER, M. - TUNNEY, P. Strongly interacting dark sectors in the early Universe and at the LHC through a simplified portal. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, JAN 27 2020, no. 1., Registrované v: WOS
2. [1.1] DASGUPTA, A. - KANG, S.K. - POPOV, O. Radiative Dirac neutrino mass, neutrinoless quadruple beta decay, and dark matter in B - L extension of the standard model. In *PHYSICAL REVIEW D*. ISSN 2470-0010, OCT 23 2019, vol. 100, no. 7., Registrované v: WOS
3. [1.1] KANG, Y.J. - LEE, H.M. Lightning gravity-mediated dark matter. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, JUL 3 2020, vol. 80, no. 7., Registrované v: WOS

ADCA946 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at $\sqrt{s}=8$ TeV. In *Journal of High Energy Physics*, 2015, vol. 2015, no. 7, art. no. 032. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479.

Ohlasy:

1. [1.1] CURTIN, David - SUNDRUM, Raman. HIDDEN WORLDS of fundamental particles. In *PHYSICS TODAY*. ISSN 0031-9228, 2017, vol. 70, no. 6, pp. 46-52., Registrované v: WOS
2. [1.1] SAKAKI, Y. Quark jet rates and quark-gluon discrimination in

multijet final states. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 18 2019, vol. 99, no. 11., Registrované v: WOS

ADCA947 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - ABED ABUD, A. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for Magnetic Monopoles and Stable High-Electric-Charge Objects in 13 TeV Proton-Proton Collisions with the ATLAS Detector. In *Physical Review Letters*, 2020, vol. 124, no. 3, art. no. 031802. (2019: 8.385 - IF, Q1 - JCR, 3.588 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.124.031802>

Ohlasy:

1. [1.1] BLEKMAN, F. - DESAI, N. - FILIMONOVA, A. - SAHASRANSU, A.R. - WESTHOFF, S. Soft displaced leptons at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 20 2020, no. 11., Registrované v: WOS

ADCA948 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for magnetic monopoles and stable particles with high electric charges in 8 TeV pp collisions with the ATLAS detector. In *Physical Review D*, 2016, vol. 93, no. 5, art. no. 052009. (2015: 4.506 - IF, Q2 - JCR, 2.236 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.93.052009>

Ohlasy:

1. [1.1] CESAROTTI, C. - THALER, J. A robust measure of event isotropy at colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 19 2020, no. 8., Registrované v: WOS
2. [1.1] CROON, D. - GONZALO, T. - WHITE, G. Gravitational waves from a Pati-Salam phase transition. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 13 2019, no. 2., Registrované v: WOS
3. [1.1] ENGLERT, Christoph - JAECKEL, Joerg. Getting stuck! Using monosignatures to test highly ionizing particles. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 769, pp. 513-519., Registrované v: WOS
4. [1.1] GOULD, Oliver - RAJANTIE, Arttu. Magnetic Monopole Mass Bounds from Heavy-Ion Collisions and Neutron Stars. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 24, pp., Registrované v: WOS
5. [1.1] MAVROMATOS, Nick E. - SARKAR, Sarben. Magnetic monopoles from global monopoles in the presence of a Kalb-Ramond Field. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 10, art. no. 104025., Registrované v: WOS
6. [1.1] MAVROMATOS, Nick E. - PAPAVALASSILIOU, Joannis. Singular lensing from the scattering on special space-time defects. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 1, art. no. 68., Registrované v: WOS
7. [1.1] MAVROMATOS, N.E. - SARKAR, S. Finite-Energy Dressed String-Inspired Dirac-Like Monopoles. In UNIVERSE. ISSN 2218-1997, JAN 2019, vol. 5, no. 1., Registrované v: WOS
8. [1.1] PATRIZII, L. - SAHNOUN, Z. - TOGO, V. Searches for cosmic magnetic monopoles: past, present and future. In PHILOSOPHICAL

TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL
PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-503X, DEC 30
2019, vol. 377, no. 2161., Registrované v: WOS

9. [1.1] VENTO, Vicente. Ions, Protons, and Photons as Signatures of
Monopoles. In UNIVERSE. ISSN 2218-1997, 2018, vol. 4, no. 11, art. no. 117.,
Registrované v: WOS

10. [1.1] VENTO, V. - TRAINI, M. Scattering of charged particles off
monopole-anti-monopole pairs. In EUROPEAN PHYSICAL JOURNAL C.
ISSN 1434-6044, JAN 25 2020, vol. 80, no. 1., Registrované v: WOS

11. [1.1] VIEIRA, S.L.R. - BAKKE, K. Maxwell duality and
semiclassical analysis of the interaction of the magnetic quadrupole moment of a
neutral particle with external fields. In JOURNAL OF MATHEMATICAL
PHYSICS. ISSN 0022-2488, OCT 2019, vol. 60, no. 10., Registrované v: WOS

12. [1.1] VIEIRA, S.L.R. - BAKKE, K. Semiclassical Analysis of the
Interaction of the Magnetic Quadrupole Moment of a Neutral Particle with Axial
Electric Fields in a Uniformly Rotating Frame. In FOUNDATIONS OF
PHYSICS. ISSN 0015-9018, JUL 2020, vol. 50, no. 7, p. 735-748., Registrované
v: WOS

ADCA949 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef -
KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for Magnetic
Monopoles in root s=7 TeV pp Collisions with the ATLAS Detector. In *Physical
Review Letters*, 2012, vol. 109, no. 26, art. no. 261803. (2011: 7.370 - IF, Q1 - JCR,
6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS,
SCOPUS). ISSN 0031-9007. Dostupné na:
<https://doi.org/10.1103/PhysRevLett.109.261803>

Ohlasy:

1. [1.1] ALEXANDRE, J. - MAVROMATOS, N.E. Weak-U(1) x
strong-U(1) effective gauge field theories and electron-monopole scattering. In
PHYSICAL REVIEW D. ISSN 2470-0010, NOV 11 2019, vol. 100, no. 9.,
Registrované v: WOS

2. [1.1] CAHILL-ROWLEY, Matthew - EL HEDRI, Sonia -
SHEPHERD, William - WALKER, Devin G. E. Perturbative unitarity constraints
on charged/colored portals. In PHYSICS OF THE DARK UNIVERSE. ISSN
2212-6864, 2018, vol. 22, pp. 48-59., Registrované v: WOS

3. [1.1] ELLIS, John - MAVROMATOS, Nick E. - YOU, Tevong.
Light-by-Light Scattering Constraint on Born-Infeld Theory. In PHYSICAL
REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 118, no. 26, art. no. 261802.,
Registrované v: WOS

4. [1.1] KATRE, Akshay. Magnetic monopole search with the
MoEDAL test trapping detector. In 4TH INTERNATIONAL CONFERENCE
ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2016, vol. 126, art. no.
UNSP 04025., Registrované v: WOS

5. [1.1] KEANE, M.G. - WEHNERT, N. - PEREZ-MACHADO, M. -
FUSAI, G.K. - THORBURN, D. - OPPONG, K.W. - CARROLL, N. - METZ,
A.J. - PEREIRA, S.P. A prospective trial of CONfocal endomicroscopy in
CYSTic lesions of the pancreas: CONCYST-01. In ENDOSCOPY
INTERNATIONAL OPEN. ISSN 2364-3722, SEP 2019, vol. 7, no. 9, p.
E1117-E1122., Registrované v: WOS

6. [1.1] MAVROMATOS, Nick E. - PAPAVALASSILIOU, Joannis.

- Singular lensing from the scattering on special space-time defects. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 1, art. no. 68., Registrované v: WOS
7. [1.1] PARK, M. - ZHANG, M. Tagging a jet from a dark sector with jet substructures at colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 4 2019, vol. 100, no. 11., Registrované v: WOS
 8. [1.1] PATRIZII, L. - SPURIO, M. Status of Searches for Magnetic Monopoles. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 65. ISSN 0163-8998, 2015, vol. 65, pp. 279-302., Registrované v: WOS
 9. [1.1] POERSCH, Aline - GRASSI, Mariana Lopes - DE CARVALHO, Vinicius Pereira - LANFREDI, Guilherme Pauperio - PALMA, Camila de Souza - GREENE, Lewis Joel - DE SOUSA, Christiani Bisinoto - ANGOTTI CARRARA, Helio Humberto - CANDIDO DOS REIS, Francisco Jose - FACA, Vitor Marcel. A proteomic signature of ovarian cancer tumor fluid identified by highthroughput and verified by targeted proteomics. In JOURNAL OF PROTEOMICS. ISSN 1874-3919, 2016, vol. 145, pp. 226-236., Registrované v: WOS
 10. [1.1] ROSZKOWSKI, Leszek - SESSOLO, Enrico Maria - TROJANOWSKI, Sebastian. WIMP dark matter candidates and searches-current status and future prospects. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2018, vol. 81, no. 6, art. no. 066201., Registrované v: WOS
 11. [1.1] SOUTH, David M. - TURCATO, Monica. Review of searches for rare processes and physics beyond the Standard Model at HERA. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 6, art. no. 336., Registrované v: WOS
 12. [1.1] SWIETACH, P. - MONTERISI, S. A Barter Economy in Tumors: Exchanging Metabolites through Gap Junctions. In CANCERS. ISSN 2072-6694, JAN 2019, vol. 11, no. 1., Registrované v: WOS
 13. [1.1] VENTO, Vicente. Ions, Protons, and Photons as Signatures of Monopoles. In UNIVERSE. ISSN 2218-1997, 2018, vol. 4, no. 11, art. no. 117., Registrované v: WOS
 14. [1.1] VENTO, V. - TRAINI, M. Scattering of charged particles off monopole-anti-monopole pairs. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 25 2020, vol. 80, no. 1., Registrované v: WOS
 15. [1.1] VIEIRA, S.L.R. - BAKKE, K. Maxwell duality and semiclassical analysis of the interaction of the magnetic quadrupole moment of a neutral particle with external fields. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, OCT 2019, vol. 60, no. 10., Registrované v: WOS
 16. [1.1] VIEIRA, S.L.R. - BAKKE, K. Semiclassical Analysis of the Interaction of the Magnetic Quadrupole Moment of a Neutral Particle with Axial Electric Fields in a Uniformly Rotating Frame. In FOUNDATIONS OF PHYSICS. ISSN 0015-9018, JUL 2020, vol. 50, no. 7, p. 735-748., Registrované v: WOS
 17. [1.1] ZHANG, P.M. - ZOU, A.P. - CHO, Y.M. Regularization of electroweak monopole by charge screening and BPS energy bound. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2020, vol. 80, no. 3., Registrované v: WOS

ADCA950 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for massive colored scalars in four-jet final states in root s=7 TeV proton-proton collisions with the ATLAS detector. In *European Physical Journal C*, 2011, vol. 71, no. 12, art. no. 1828. (2010: 3.248 - IF, Q2 - JCR, 2.215 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1434-6044.

Ohlasy:

1. [1.1] ALVES, Daniele S. M. - GALLOWAY, Jamison - MCCULLOUGH, Matthew - WEINER, Neal. Models of Goldstone gauginos. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075021., Registrované v: WOS

ADCA951 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for massive long-lived highly ionising particles with the ATLAS detector at the LHC. In *Physics Letters B*, 2011, vol. 698, no. 5, p. 353-370. (2010: 5.255 - IF, Q1 - JCR, 3.103 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] BIZOT, Nicolas - FRIGERIO, Michele. Fermionic extensions of the Standard Model in light of the Higgs couplings. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2016, no. 1, art. no. 036., Registrované v: WOS

2. [1.1] FENG, Lei - LIANG, Yun-Feng - DONG, Tie-Kuang - FAN, Yi-Zhong. Interpretations of the possible 42.7 GeV gamma-ray line. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 94, no. 4, art. no. 043535., Registrované v: WOS

ADCA952 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for massive supersymmetric particles decaying to many jets using the ATLAS detector in pp collisions at root s=8 TeV. In *Physical Review D*, 2015, vol. 91, no. 11, art. no. 112016. (2014: 4.643 - IF, Q1 - JCR, 2.414 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.91.112016>

Ohlasy:

1. [1.1] ANANDAKRISHNAN, Archana - COLLINS, Jack H. - FARINA, Marco - KUFLIK, Eric - PERELSTEIN, Maxim. Odd top partners at the LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075009., Registrované v: WOS

2. [1.1] BARDHAN, Debjyoti - BHATTACHARYYA, Gautam - GHOSH, Diptimoy - PATRA, Monalisa - RAYCHAUDHURI, Sreerup. Detailed analysis of flavor-changing decays of top quarks as a probe of new physics at the LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015026., Registrované v: WOS

3. [1.1] CACCIAPAGLIA, G. - FLACKE, T. - PARK, Y.O.H. - ZHANG, M.C. Exotic decays of top partners: Mind the search gap. In *PHYSICS LETTERS B*. ISSN 0370-2693, NOV 10 2019, vol. 798., Registrované v: WOS

4. [1.1] DAS, Kasinath - LI, Tianjun - NANDI, S. - RAI, Santosh Kumar. New signals for vector-like down-type quark in U(1) of E-6. In

- EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 1, art. no. 35., Registrované v: WOS
5. [1.1] DERCKS, Daniel - DREINER, Herbi - KRAUSS, Manuel E. - OPFERKUCH, Toby - REINERT, Annika. R-parity violation at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 856., Registrované v: WOS
 6. [1.1] DOBRESCU, Bogdan A. - YU, Felix. Exotic signals of vectorlike quarks. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 8, art. no. 08LT01., Registrované v: WOS
 7. [1.1] SIERRA, D. Aristizabal - HERRERO-GARCIA, J. - RESTREPO, D. - VICENTE, A. Diboson anomaly: Heavy Higgs resonance and QCD vectorlike exotics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 015012., Registrované v: WOS
 8. [1.1] ZWANE, Nosiphiwo. Long-lived particle searches in R-parity violating MSSM. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 10, art. no. 105003., Registrované v: WOS

ADCA953 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for massive, long-lived particles using multitrack displaced vertices or displaced lepton pairs in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Physical Review D*, 2015, vol. 92, no. 7, art. no. 072004. (2014: 4.643 - IF, Q1 - JCR, 2.414 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.92.072004>

Ohlasy:

1. [1.1] AHMED, Waqas - CALIBBI, Lorenzo - LI, Tianjun - MUSTAFAYEV, Azar - RAZA, Shabbar. Low fine-tuning in Yukawa-deflected gauge mediation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095031., Registrované v: WOS
2. [1.1] BARELLO, G. - CHANG, Spencer - NEWBY, Christopher A. - OSTDIEK, Bryan. Improving LHC searches for dark photons using lepton-jet substructure. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055007., Registrované v: WOS
3. [1.1] BLINOV, Nikita - IZAGUIRRE, Eder - SHUVE, Brian. Rare Z boson decays to a hidden sector. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 015009., Registrované v: WOS
4. [1.1] CAI, Yi - CLARKE, Jackson D. - VOLKAS, Raymond R. - YANAGIDA, Tsutomu T. TeV-scale pseudo-Dirac seesaw mechanisms in an E-6 inspired model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 033003., Registrované v: WOS
5. [1.1] CURTIN, David - DESHPANDE, Kaustubh - FISCHER, Oliver - ZURITA, Jose. New physics opportunities for long-lived particles at electron-proton colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 024., Registrované v: WOS
6. [1.1] DASGUPTA, Basudeb - KOPP, Joachim - SCHWALLER, Pedro. Photons, photon jets, and dark photons at 750 GeV and beyond. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5,

art. no. 277., Registrované v: WOS

7. [1.1] DOMINGO, Florian - HEINEMEYER, Sven - KIM, Jong Soo - ROLBIECKI, Krzysztof. The NMSSM lives: with the 750 GeV diphoton excess. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 249., Registrované v: WOS

8. [1.1] DUARTE, Lucia - PERESSUTTI, Javier - SAMPAYO, Oscar A. Not-that-heavy Majorana neutrino signals at the LHC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 2, art. no. 025001., Registrované v: WOS

9. [1.1] DUARTE, Lucia - ROMERO, Ismael - PERESSUTTI, Javier - SAMPAYO, Oscar A. Effective Majorana neutrino decay. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 8, art. no. 453., Registrované v: WOS

10. [1.1] DUMITRU, S. - HERWIG, C. - OVRUT, B.A. R-parity violating decays of Bino neutralino LSPs at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 5 2019, no. 12., Registrované v: WOS

11. [1.1] DUMITRU, S. - OVRUT, B.A. - PURVES, A. The R-parity violating decays of charginos and neutralinos in the B-L MSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 19 2019, no. 2., Registrované v: WOS

12. [1.1] DU, M.X. - LIU, Z.W. - TRAN, V.Q. Enhanced long-lived dark photon signals at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 12 2020, no. 5., Registrované v: WOS

13. [1.1] ENGLERT, Christoph - JAECKEL, Joerg. Getting stuck! Using monosignatures to test highly ionizing particles. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 769, pp. 513-519., Registrované v: WOS

14. [1.1] EVANS, J.A. - TANEDO, P. - ZAKERI, M. Exotic lepton-flavor violating Higgs decays. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 7 2020, no. 1., Registrované v: WOS

15. [1.1] FARINA, Marco - MONTEUX, Angelo - SHIN, Chang Sub. Twin mechanism for baryon and dark matter asymmetries. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035017., Registrované v: WOS

16. [1.1] FRADETTE, Anthony - POSPELOV, Maxim. BBN for the LHC: Constraints on lifetimes of the Higgs portal scalars. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075033., Registrované v: WOS

17. [1.1] GARDNER, S. - HOLT, R. J. - TADEPALLI, A. S. New prospects in fixed target searches for dark forces with the SeaQuest experiment at Fermilab. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115015., Registrované v: WOS

18. [1.1] GARNY, Mathias - HEISIG, Jan - LUELF, Benedikt - VOGL, Stefan. Coannihilation without chemical equilibrium. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, 103521., vol. 96, no. 10, art. no., Registrované v: WOS

19. [1.1] GIUDICE, Gian F. - KATS, Yevgeny - MCCULLOUGH, Matthew - TORRE, Riccardo - URBANO, Alfredo. Clockwork/linear dilaton: structure and phenomenology. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 009., Registrované v: WOS

20. [1.1] HAN, Xiao-Fang - WANG, Lei - YANG, Jin Min. An extension of two-Higgs-doublet model and the excesses of 750 GeV diphoton, muon $g-2$ and $h \rightarrow \mu \tau$. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 757, pp. 537-547., Registrované v: WOS
21. [1.1] HELO, J.C. - HIRSCH, M. - OTA, T. Proton decay at one loop. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 20 2019, vol. 99, no. 9., Registrované v: WOS
22. [1.1] CHAKRABORTY, Amit - IYER, Abhishek M. - ROY, Tuhin S. A framework for finding anomalous objects at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 932, pp. 439-470., Registrované v: WOS
23. [1.1] IWAMOTO, Sho - LEE, Gabriel - SHADMI, Yael - ZIEGLER, Robert. Diphoton signals from colorless hidden quarkonia. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015003., Registrované v: WOS
24. [1.1] IZAGUIRRE, Eder - KRNJAIC, Gordan - SHUVE, Brian. Discovering inelastic thermal relic dark matter at colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 6, art. no. 063523., Registrované v: WOS
25. [1.1] JANA, Sudip - OKADA, Nobuchika - RAUT, Digesh. Displaced vertex signature of type-I seesaw model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035023., Registrované v: WOS
26. [1.1] KIM, Jeong Han - LEWIS, Ian M. Loop induced single top partner production and decay at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 095., Registrované v: WOS
27. [1.1] LARA, I. - LOPEZ-FOGLIANI, D.E. - MUNOZ, C. Electroweak superpartners scrutinized at the LHC in events with multi-leptons. In PHYSICS LETTERS B. ISSN 0370-2693, MAR 10 2019, vol. 790, p. 176-183., Registrované v: WOS
28. [1.1] LEANE, Rebecca K. - NG, Kenny C. Y. - BEACOM, John F. Powerful solar signatures of long-lived dark mediators. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 12, art. no. 123016., Registrované v: WOS
29. [1.1] LIU, Ning - WANG, Wenyu - ZHANG, Mengchao - ZHENG, Rui. 750 GeV diphoton resonance in a vector-like extension of Hill model at a 100 TeV hadron collider. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 25, art. no. 1650145., Registrované v: WOS
30. [1.1] LOPEZ-FOGLIANI, D.E. - MUNOZ, C. Searching for supersymmetry: the $\mu \nu$ SSM A short review. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 21, SI, p. 3263-3301., Registrované v: WOS
31. [1.1] MCDERMOTT, Samuel D. - MEADE, Patrick - RAMANI, Harikrishnan. Singlet scalar resonances and the diphoton excess. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 755, pp. 353-357., Registrované v: WOS
32. [1.1] NO, J.M. - TUNNEY, P. - ZALDIVAR, B. Probing dark matter freeze-in with long-lived particle signatures: MATHUSLA, HL-LHC and FCC-hh. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 4 2020, no. 3., Registrované v: WOS

33. [1.1] SMARANDA, D.D. - MILLER, D.J. Scherk-Schwarz orbifolds at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS
34. [1.1] VIDAL, X.C. - TSAI, Y. - ZURITA, J. Exclusive displaced hadronic signatures in the LHC forward region. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 20 2020, no. 1., Registrované v: WOS

ADCA954 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for metastable heavy charged particles with large ionisation energy loss in pp collisions at root s=8 TeV using the ATLAS experiment. In *European Physical Journal C*, 2015, vol. 75, no. 9, art. no. 407. (2014: 5.084 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-015-3609-0>

Ohlasy:

1. [1.1] ABDULLAH, Mohammad - FENG, Jonathan L. - IWAMOTO, Sho - LILLARD, Benjamin. Heavy bino dark matter and collider signals in the MSSM with vectorlike fourth-generation particles. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 095018., Registrované v: WOS
2. [1.1] DREES, Manuel - KIM, Jong Soo. Minimal natural supersymmetry after the LHC8. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 095005., Registrované v: WOS
3. [1.1] IWAMOTO, Sho - LEE, Gabriel - SHADMI, Yael - ZIEGLER, Robert. Diphoton signals from colorless hidden quarkonia. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015003., Registrované v: WOS
4. [1.1] KIM, Jeong Han - LEWIS, Ian M. Loop induced single top partner production and decay at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 095., Registrované v: WOS
5. [1.1] SIERRA, D. Aristizabal - HERRERO-GARCIA, J. - RESTREPO, D. - VICENTE, A. Diboson anomaly: Heavy Higgs resonance and QCD vectorlike exotics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 015012., Registrované v: WOS

ADCA955 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for metastable heavy charged particles with large ionization energy loss in pp collisions at root s=13 TeV using the ATLAS experiment. In *Physical Review D*, 2016, vol. 93, no. 11, art. no. 112015. (2015: 4.506 - IF, Q2 - JCR, 2.236 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.93.112015>

Ohlasy:

1. [1.1] BORAH, D. - NANDA, D. - NARENDRA, N. - SAHU, N. Right-handed neutrino dark matter with radiative neutrino mass in gauged B - L model. In NUCLEAR PHYSICS B. ISSN 0550-3213, JAN 2020, vol. 950., Registrované v: WOS
2. [1.1] ENGLERT, Christoph - JAECKEL, Joerg. Getting stuck! Using monosignatures to test highly ionizing particles. In PHYSICS LETTERS B. ISSN

0370-2693, 2017, vol. 769, pp. 513-519., Registrované v: WOS

3. [1.1] GARNY, Mathias - HEISIG, Jan - LUELF, Benedikt - VOGL, Stefan. Coannihilation without chemical equilibrium. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 10, art. no. 103521., Registrované v: WOS

4. [1.1] GARNY, Mathias - HEISIG, Jan - HUFNAGEL, Marco - LUELF, Benedikt. Top-philic dark matter within and beyond the WIMP paradigm. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075002., Registrované v: WOS

5. [1.1] HAMAGUCHI, Koichi - LIEW, Seng Pei. Models of a 750 GeV quarkonium and the LHC excesses. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035012., Registrované v: WOS

6. [1.1] HELO, J.C. - HIRSCH, M. - OTA, T. Proton decay at one loop. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 20 2019, vol. 99, no. 9., Registrované v: WOS

7. [1.1] JANA, Sudip - OKADA, Nobuchika - RAUT, Digesh. Displaced vertex signature of type-I seesaw model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035023., Registrované v: WOS

8. [1.1] SMARANDA, D.D. - MILLER, D.J. Scherk-Schwarz orbifolds at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS

ADCA956 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for microscopic black holes and string balls in final states with leptons and jets with the ATLAS detector at root s=8 TeV. In *Journal of High Energy Physics*, 2014, vol. 2014, no. 8, art. no. 103. (2013: 6.220 - IF, Q1 - JCR, 1.173 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1029-8479.

Ohlasy:

1. [1.1] ARSENE, Nicusor - CASADIO, Roberto - MICU, Octavian. Quantum production of black holes at colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 7, art. no. 384., Registrované v: WOS

2. [1.1] FROLOV, Valeri P. - KRTOUS, Pavel - KUBIZNAK, David. Black holes, hidden symmetries, and complete integrability. In LIVING REVIEWS IN RELATIVITY. ISSN 1436.3-8351, 2017, vol. 20, art. no., Registrované v: WOS

3. [1.1] GOGOLADZE, Ilia - MUSTAFAYEV, Azar - SHAFI, Qaisar - UN, Cem Salih. Yukawa unification and sparticle spectroscopy in gauge mediation models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 096005., Registrované v: WOS

4. [1.1] GOGOLADZE, Ilia - SHAFI, Qaisar - UN, Cem Salih. Reconciling the muon g-2, a 125 GeV Higgs boson, and dark matter in gauge mediation models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 115014., Registrované v: WOS

5. [1.1] SAKAKI, Y. Quark jet rates and quark-gluon discrimination in multijet final states. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 18 2019, vol. 99, no. 11., Registrované v: WOS

6. [1.1] THOMAS, Anthony W. Introduction to the Standard Model and

Beyond. In HADRON STRUCTURE IN ELECTROWEAK PRECISION MEASUREMENTS. ISSN 2190-5053, 2016, pp. 5-18., Registrované v: WOS

ADCA957 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for microscopic black holes in a like-sign dimuon final state using large track multiplicity with the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2013, vol. 88, no. 7, art. no. 072001. (2012: 4.691 - IF, Q1 - JCR, 2.725 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Ohlasy:

1. [1.1] ARSENE, Nicusor - CASADIO, Roberto - MICU, Octavian. Quantum production of black holes at colliders. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2016, vol. 76, no. 7, art. no. 384., Registrované v: WOS
2. [1.1] CHOPTUIK, Matthew W. - LEHNER, Luis - PRETORIUS, Frans. Probing Strong-Field Gravity Through Numerical Simulations. In *GENERAL RELATIVITY AND GRAVITATION: A CENTENNIAL PERSPECTIVE*, 2015, pp. 361-411., Registrované v: WOS
3. [1.1] SONG, N.Q. - VINCENT, A.C. Discovery and Spectroscopy of Dark Matter and Dark Sectors with Microscopic Black Holes at Next Generation Colliders. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, FEB 3 2020, vol. 124, no. 5., Registrované v: WOS

ADCA958 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for Minimal Supersymmetric Standard Model Higgs bosons H/A and for a Z' boson in the tau tau final state produced in pp collisions at root s=13 TeV with the ATLAS Detector. In *European Physical Journal C*, 2016, vol. 76, no. 11, art. no. 585. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4400-6>

Ohlasy:

1. [1.1] ABOUBRAHIM, Amin - NATH, Pran. Naturalness, the hyperbolic branch, and prospects for the observation of charged Higgs bosons at high luminosity LHC and 27 TeV LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095024., Registrované v: WOS
2. [1.1] AEBISCHER, Jason - CRIVELLIN, Andreas - GREUB, Christoph - YAMADA, Youichi. The MSSM without gluinos; an effective field theory for the stop sector. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2017, vol. 77, no. 11, art. no. 740., Registrované v: WOS
3. [1.1] ALMARASHI, M. M. Discovery potential of the NMSSM CP-odd Higgs at the LHC. In *RESULTS IN PHYSICS*. ISSN 2211-3797, 2018, vol. 10, pp. 799-804., Registrované v: WOS
4. [1.1] ALMARASHI, M. M. The second lightest CP-even Higgs boson signals in the NMSSM at the LHC. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2018, vol. 33, no. 10, art. no. 1850071., Registrované v: WOS
5. [1.1] ARGANDA, Ernesto - MARTIN-LOZANO, Victor - MEDINA, Anibal D. - MILEO, Nicolas I. Potential discovery of staus through heavy Higgs

- boson decays at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 056., Registrované v: WOS
6. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. - MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of heavy Higgs bosons decaying invisibly at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS
7. [1.1] ASADI, Pouya - BUCKLEY, Matthew R. - SHIH, David. It's all right(-handed neutrinos): a new W' model for the $R(D)^{(*)}$ anomaly. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 010., Registrované v: WOS
8. [1.1] BANERJEE, Debika - MAJI, Priya - SAHOO, Sukadev. Study of the rare decays $B^*(s,d) \rightarrow l^{(+)}l^{(-)}$ in Z' model. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 14, art. no. 1750075., Registrované v: WOS
9. [1.1] BANERJEE, D. - SAHOO, S. Analysis of $A(b) \rightarrow A l^{(+)}l^{(-)}$ rare decays in a non-universal Z' model. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 8, art. no. 083101., Registrované v: WOS
10. [1.1] BIZOT, Nicolas - CACCIAPAGLIA, Giacomo - FLACKE, Thomas. Common exotic decays of top partners. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 065., Registrované v: WOS
11. [1.1] COX, Peter - HAN, Chengcheng - YANAGIDA, Tsutomu T. LHC search for right-handed neutrinos in Z' models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 1, art. no. 037., Registrované v: WOS
12. [1.1] DAS, Diganta - HATI, Chandan - KUMAR, Girish - MAHAJAN, Namit. Scrutinizing R-parity violating interactions in light of $R-K^{(*)}$ data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 095033., Registrované v: WOS
13. [1.1] FUCHS, Elina - WEIGLEIN, Georg. Impact of CP-violating interference effects on MSSM Higgs searches. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 2, art. no. 87., Registrované v: WOS
14. [1.1] HASHEMI, Majid - JAFARPOUR, Mahbobeh. Analysis of Top Quark Pair Production Signal from Neutral 2HDM Higgs Bosons at LHC. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2018, art. no. 4038243., Registrované v: WOS
15. [1.1] HERNANDEZ-JUAREZ, A. I. - TAVARES-VELASCO, G. - MOYOTL, A. Chromomagnetic and chromoelectric dipole moments of the top quark in the fourth-generation THDM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035040., Registrované v: WOS
16. [1.1] CHATTOPADHYAY, U. - DAS, D. - MUKHERJEE, S. Probing lepton flavor violating decays in MSSM with non-holomorphic soft terms. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 1 2020, no. 6., Registrované v: WOS
17. [1.1] CHOUDHURY, Debajyoti - KUNDU, Anirban - MANDAL, Rusa - SINHA, Rahul. $RK^{(*)}$ and $R(D^{(*)})$ anomalies resolved with lepton mixing. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 933, pp. 433-453., Registrované v: WOS
18. [1.1] KAR, Arpan - MITRA, Sourav - MUKHOPADHYAYA,

Biswarup - CHOUDHURY, Tirthankar Roy. Dark matter, extra-terrestrial gamma-rays and the MSSM: a viability study. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 2, art. no. 045., Registrované v: WOS

19. [1.1] KO, P. - OMURA, Yuji - SHIGEKAMI, Yoshihiro - YU, Chaehyun. LHCb anomaly and B physics in flavored Z' models with flavored Higgs doublets. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115040., Registrované v: WOS

20. [1.1] KUMAR, M. - NAYEK, P. - BANERJEE, D. - SAHOO, S. Signals of New Physics in B-Mesons Mixing Mass and Decay Width Differences. In BRAZILIAN JOURNAL OF PHYSICS. ISSN 0103-9733, OCT 2019, vol. 49, no. 5, p. 772-782., Registrované v: WOS

21. [1.1] MAJI, P. - NAYEK, P. - SAHOO, S. Impact of Z' boson on lepton flavor violating decays. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, APR 20 2019, vol. 34, no. 12., Registrované v: WOS

22. [1.1] NAYEK, P. - MAJI, P. - SAHOO, S. Lepton flavor violating decays in Z' model. In CANADIAN JOURNAL OF PHYSICS. ISSN 0008-4204, DEC 2019, vol. 97, no. 12, p. 1270-1276., Registrované v: WOS

23. [1.1] SERCE, Hasan. Implications of Mixed Axion-Neutralino Dark Matter. In WORKSHOP ON NEUTRINO PHYSICS AND UNIFICATION, NEAR DETECTOR PHYSICS AND DARK MATTER (CETUP* 2016). ISSN 0094-243X, 2017, vol. 1900, art. no. 040007., Registrované v: WOS

24. [1.1] SCHMALTZ, M. - ZHONG, Y.M. The leptoquark Hunter's guide: large coupling. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 15 2019, no. 1., Registrované v: WOS

ADCA959 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Search for neutral Higgs bosons in events with multiple bottom quarks at the Tevatron. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2012, vol. 86, no. 9, art. no. R091101. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.86.091101>

Ohlasy:

1. [1.1] CHECCHIA, Paolo. Implications of a 125 GeV Higgs boson. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 7, art. no. 1530003., Registrované v: WOS

ADCA960 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2014, vol. 2014, no. 11, art. no. 056. (2013: 6.220 - IF, Q1 - JCR, 1.173 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP11\(2014\)056](https://doi.org/10.1007/JHEP11(2014)056)

Ohlasy:

1. [1.1] ABDUSSALAM, S. S. - VELASCO-SEVILLA, L. Where to look for natural supersymmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035026., Registrované v: WOS

2. [1.1] ABDUSSALAM, S. - CABRERA, M.E. Revealing mass-degenerate states in Higgs boson signals. In EUROPEAN PHYSICAL

JOURNAL C. ISSN 1434-6044, DEC 2019, vol. 79, no. 12., Registrované v: WOS

3. [1.1] ABDUSSALAM, S.S. Testing Higgs boson scenarios in the phenomenological NMSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 25 2019, vol. 79, no. 5., Registrované v: WOS
4. [1.1] ALMARASHI, M. M. Discovery potential of the NMSSM CP-odd Higgs at the LHC. In RESULTS IN PHYSICS. ISSN 2211-3797, 2018, vol. 10, pp. 799-804., Registrované v: WOS
5. [1.1] ALMARASHI, M. M. The second lightest CP-even Higgs boson signals in the NMSSM at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 10, art. no. 1850071., Registrované v: WOS
6. [1.1] AMBROGI, Federico - KRAML, Sabine - KULKARNI, Suchita - LAA, Ursula - LESSA, Andre - WALTENBERGER, Wolfgang. On the coverage of the pMSSM by simplified model results. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 215., Registrované v: WOS
7. [1.1] ANANDAKRISHNAN, Archana - SHAKYA, Bibhushan - SINHA, Kuver. Dark matter at the pseudoscalar Higgs resonance in the phenomenological MSSM and SUSY GUTs. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 035029., Registrované v: WOS
8. [1.1] ANDERSEN, Jens O. - GORDA, Tyler - HELSET, Andreas - NIEMI, Lauri - TENKANEN, Tuomas V. - TRANBERG, Anders - VUORINEN, Aleksi - WEIR, David J. Nonperturbative Analysis of the Electroweak Phase Transition in the Two Higgs Doublet Model. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 19, art. no. 191802., Registrované v: WOS
9. [1.1] ARCADI, Giorgio - LINDER, Manfred - QUEIROZ, Farinaldo S. - RODEJOHANN, Werner - VOGL, Stefan. Pseudoscalar mediators: a WIMP model at the neutrino floor. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 3, art. no., Registrované v: WOS
10. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. - MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of heavy Higgs bosons decaying invisibly at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS
11. [1.1] ARGANDA, E. - GUASCH, J. - HOLLIK, W. - PENARANDA, S. Discriminating between SUSY and non-SUSY Higgs sectors through the ratio $H \rightarrow b(\bar{b})/\bar{H} \rightarrow \tau(\bar{\tau})$ with a 125 GeV Higgs boson. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 286., Registrované v: WOS
12. [1.1] ARGUELLES, Carlos A. - HE, Xiao-Gang - OYANESYAN, Grigory - PENG, Tao - RAMSEY-MUSOLF, Michael J. Dark gauge bosons: LHC signatures of non-abelian kinetic mixing. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 770, pp. 101-107., Registrované v: WOS
13. [1.1] BAEK, Seungwon - PARK, Jae-hyeon. LHC 750 GeV diphoton excess and muon (g-2). In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 758, pp. 416-422., Registrované v: WOS
14. [1.1] BAE, Kyu Jung - BAER, Howard - NAGATA, Natsumi - SERCE, Hasan. Prospects for Higgs coupling measurements in SUSY with

- radiatively-driven naturalness. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 3, art. no. 035006., Registrované v: WOS
15. [1.1] BAHMANI, M. - KALINOWSKI, J. - KOTLARSKI, W. - RICHTER-WAS, E. - WAS, Z. Production of tau tau j j final states at the LHC and the TauSpinner algorithm: the spin-2 case. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 1, art. no. 10., Registrované v: WOS
16. [1.1] BANDYOPADHYAY, Priyotosh - COSTANTINI, Antonio. Distinguishing charged Higgs bosons from different representations at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 1, art. no. 067., Registrované v: WOS
17. [1.1] BARENBOIM, G. - BOSCH, C. - LEE, J. S. - LOPEZ-IBANEZ, M. L. - VIVES, O. Flavor-changing Higgs boson decays into bottom and strange quarks in supersymmetric models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095017., Registrované v: WOS
18. [1.1] BARMAN, Rahool Kumar - BHATTACHERJEE, Biplob - CHAKRABORTY, Amit - CHOUDHURY, Arghya. Study of MSSM heavy Higgs bosons decaying into charginos and neutralinos. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075013., Registrované v: WOS
19. [1.1] BARMAN, R.K. - BHATTACHERJEE, B. - CHOUDHURY, A. - CHOWDHURY, D. - LAHIRI, J. - RAY, S. Current status of MSSM Higgs sector with LHC 13 TeV data. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, APR 2019, vol. 134, no. 4., Registrované v: WOS
20. [1.1] BAUM, Sebastian - FREESE, Katherine - SHAH, Nausheen R. - SHAKYA, Bibhushan. NMSSM Higgs boson search strategies at the LHC and the mono-Higgs signature in particular. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115036., Registrované v: WOS
21. [1.1] BAUM, S. - SHAH, N.R. - FREESE, K. The NMSSM is within reach of the LHC: mass correlations & decay signatures. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 1 2019, no. 4., Registrované v: WOS
22. [1.1] BECIREVIC, Damir - MELIC, Blazenska - PATRA, Monalisa - SUMENSARI, Olcyr. Seeking a CP-odd Higgs boson via $h \rightarrow e^+ e^- \mu^+ \mu^-$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 015008., Registrované v: WOS
23. [1.1] BERLIN, Asher - DIFRANZO, Anthony - HOOPER, Dan. 3.55 keV line from exciting dark matter without a hidden sector. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 7, art. no. 075018., Registrované v: WOS
24. [1.1] BERLIN, Asher - GORI, Stefania - LIN, Tongyan - WANG, Lian-Tao. Pseudoscalar portal dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 015005., Registrované v: WOS
25. [1.1] BERNREUTHER, W. - GALLER, P. - MELLEIN, C. - SI, Z.G. - UWER, P. Production of heavy Higgs bosons and decay into top quarks at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 034032., Registrované v: WOS
26. [1.1] BHATTACHERJEE, Biplob - CHAKRABORTY, Amit - CHOUDHURY, Arghya. Status of the MSSM Higgs sector using global analysis and direct search bounds, and future prospects at the High Luminosity LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 093007.,

Registrované v: WOS

27. [1.1] BHATTACHERJEE, Biplob - CHAKRABORTI, Manimala - CHAKRABORTY, Amit - CHATTOPADHYAY, Utpal - GHOSH, Dilip Kumar. Status of the 98-125 GeV Higgs bosons scenario with updated LHC-8 data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075004., Registrované v: WOS

28. [1.1] BLINOV, Nikita - IZAGUIRRE, Eder - SHUVE, Brian. Rare Z boson decays to a hidden sector. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 015009., Registrované v: WOS

29. [1.1] CAI, Yi - CLARKE, Jackson D. - VOLKAS, Raymond R. - YANAGIDA, Tsutomu T. TeV-scale pseudo-Dirac seesaw mechanisms in an E-6 inspired model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 033003., Registrované v: WOS

30. [1.1] CANKOÇAK, K. - DEMIR, D. - KARAHAN, C. - SEN, S. Electroweak stability and discovery luminosities for new physics. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 2020, vol. 80, no. 12., Registrované v: WOS

31. [1.1] CARENA, Marcela - HABER, Howard E. - LOW, Ian - SHAH, Nausheen R. - WAGNER, Carlos E. M. Complementarity between nonstandard Higgs boson searches and precision Higgs boson measurements in the MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 3, art. no. 035003., Registrované v: WOS

32. [1.1] CASTANEDA, A. A search for beyond the Standard Model physics using a final state with light and boosted muon pairs at the CMS experiment. In FRONTIERS IN THEORETICAL AND APPLIED PHYSICS/UAE 2017 (FTAPS 2017). ISSN 1742-6588, 2017, vol. 869, art. no. UNSP 012046., Registrované v: WOS

33. [1.1] CLARKE, Jackson D. - FOOT, Robert - VOLKAS, Raymond R. Natural leptogenesis and neutrino masses with two Higgs doublets. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 033006., Registrované v: WOS

34. [1.1] CLARKE, Jackson D. - VOLKAS, Raymond R. Technically natural nonsupersymmetric model of neutrino masses, baryogenesis, the strong CP problem, and dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 035001., Registrované v: WOS

35. [1.1] CLINE, James M. Scalar doublet models confront tau and b anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075017., Registrované v: WOS

36. [1.1] DAS, Arindam - OKADA, Nobuchika - SETO, Osamu. Galactic center excess by Higgs portal dark matter. In XIV INTERNATIONAL CONFERENCE ON TOPICS IN ASTROPARTICLE AND UNDERGROUND PHYSICS (TAUP 2015), PTS 1-7. ISSN 1742-6588, 2016, vol. 718, art. no. UNSP 042054., Registrované v: WOS

37. [1.1] DAS, Arindam - OKADA, Nobuchika - SETO, Osamu. Galactic Center Excess by Higgs Portal Dark Matter. In PROCEEDINGS OF THE 12TH INTERNATIONAL SYMPOSIUM ON COSMOLOGY AND PARTICLE ASTROPHYSICS (COSPA 2015). ISSN 2010-1945, 2016, vol. 43, art. no. UNSP 1660198., Registrované v: WOS

38. [1.1] DAWSON, S. - LEWIS, I. M. Singlet model interference effects with high scale UV physics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017,

- vol. 95, no. 1, art. no. 015004., Registrované v: WOS
39. [1.1] DEPPISCH, F.F. - KULKARNI, S. - LIU, W. Searching for a light Z' through Higgs production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 11 2019, vol. 100, no. 11., Registrované v: WOS
40. [1.1] DI IURA, Andrea - HERRERO-GARCIA, Juan - MELONI, Davide. Phenomenology of SU(5) low-energy realizations: The diphoton excess and Higgs flavor violation. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 911, pp. 388-424., Registrované v: WOS
41. [1.1] DOMINGO, Florian - HEINEMEYER, Sven - KIM, Jong Soo - ROLBIECKI, Krzysztof. The NMSSM lives: with the 750 GeV diphoton excess. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 249., Registrované v: WOS
42. [1.1] DORSCH, G. C. - HUBER, S. J. - MIMASU, K. - NO, J. M. Hierarchical versus degenerate 2HDM: The LHC run 1 legacy at the onset of run 2. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115033., Registrované v: WOS
43. [1.1] FAROUGHY, Darius A. - GRELJO, Admir - KAMENIK, Jernej F. Confronting lepton flavor universality violation in B decays with high-p(T) tau lepton searches at LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 764, pp. 126-134., Registrované v: WOS
44. [1.1] FUCHS, Elina - WEIGLEIN, Georg. Impact of CP-violating interference effects on MSSM Higgs searches. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 2, art. no. 87., Registrované v: WOS
45. [1.1] FUYUTO, K. - HE, X.G. - LI, G. - RAMSEY-MUSOLF, M. CP-violating dark photon interaction. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 8 2020, vol. 101, no. 7., Registrované v: WOS
46. [1.1] GARDNER, S. - HOLT, R. J. - TADEPALLI, A. S. New prospects in fixed target searches for dark forces with the SeaQuest experiment at Fermilab. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115015., Registrované v: WOS
47. [1.1] GONCALVES, Dorival - LPEZ-VAL, David. Pseudoscalar searches with dileptonic tops and jet substructure. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 095005., Registrované v: WOS
48. [1.1] GOPALAKRISHNA, Shrihari - MUKHERJEE, Tuhin Subhra - SADHUKHAN, Soumya. Extra neutral scalars with vectorlike fermions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055004., Registrované v: WOS
49. [1.1] HEINEMEYER, S. The 750 GeV diphoton excess and SUSY. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 17, art. no. 1630023., Registrované v: WOS
50. [1.1] HEINEMEYER, S. - SCHAPPACHER, C. Higgs decays into charginos and neutralinos in the complex MSSM: a full one-loop analysis. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 230., Registrované v: WOS
51. [1.1] HEINEMEYER, S. - SCHAPPACHER, C. Heavy Higgs decays into sfermions in the complex MSSM: a full one-loop analysis. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 198., Registrované v: WOS
52. [1.1] HEINEMEYER, S. - SCHAPPACHER, C. Charged Higgs

- Boson production at colliders in the complex MSSM: a full one-loop analysis. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 10, art. no. 535., Registrované v: WOS
53. [1.1] HEINEMEYER, S. - SCHAPPACHER, C. Neutral Higgs boson production at $e(+)e(-)$ colliders in the complex MSSM: a full one-loop analysis. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, art. no. 220., Registrované v: WOS
54. [1.1] HERNANDEZ-JUAREZ, A. I. - TAVARES-VELASCO, G. - MOYOTL, A. Chromomagnetic and chromoelectric dipole moments of the top quark in the fourth-generation THDM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035040., Registrované v: WOS
55. [1.1] HOLDOM, B. - RATZLAFF, M. Distinctive heavy Higgs boson decays. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 035031., Registrované v: WOS
56. [1.1] CHAKRABORTY, Amit - MAITRA, Ushoshi - RAYCHAUDHURI, Sreerup - SAMUI, Tousik. Mixed Higgs-radion states at the LHC a detailed study. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 922, pp. 41-61., Registrované v: WOS
57. [1.1] CHAKRABORTY, Amit - IYER, Abhishek M. - ROY, Tuhin S. A framework for finding anomalous objects at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 932, pp. 439-470., Registrované v: WOS
58. [1.1] CHANG, Sanghyeon - KANG, Sin Kyu - LEE, Jong-Phil - SONG, Jeonghyeon. Higgs potential and hidden light Higgs scenario in two Higgs doublet models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 075023., Registrované v: WOS
59. [1.1] CHATTOPADHYAY, U. - DAS, D. - MUKHERJEE, S. Probing lepton flavor violating decays in MSSM with non-holomorphic soft terms. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 1 2020, no. 6., Registrované v: WOS
60. [1.1] CHECCHIA, Paolo. Implications of a 125 GeV Higgs boson. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 7, art. no. 1530003., Registrované v: WOS
61. [1.1] CHEN, Ning. The LHC searches for heavy neutral Higgs bosons by jet substructure analysis. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 33, art. no. 1644009., Registrované v: WOS
62. [1.1] CHOWDHURY, Debtosh - EBERHARDT, Otto. Update of global Two-Higgs-Doublet model fits. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 161., Registrované v: WOS
63. [1.1] CHO, Jin-Hwan - KIM, Tae Young - SONG, Jeonghyeon. Constraints from Heavy Higgs Boson Masses in the two Higgs Doublet Model. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2018, vol. 73, no. 3, pp. 289-296., Registrované v: WOS
64. [1.1] IGURO, Syuhei - TOBE, Kazuhiro. $R(D^{(*)})$ in a general two Higgs doublet model. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 925, pp. 560-606., Registrované v: WOS
65. [1.1] ILTEN, Philip. PYTHIA 8: Simulating Tau-Lepton Decays. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2015, vol. 260, pp. 56-60., Registrované v: WOS

66. [1.1] ILTEN, Philip. Z and W Physics with Tau-Leptons at the LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2015, vol. 260, pp. 211-215., Registrované v: WOS
67. [1.1] JAEGER, B. - REINA, L. - WACKEROTH, D. Higgs boson production in association with b jets in the POWHEG BOX. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 014030., Registrované v: WOS
68. [1.1] JANA, Sudip - OKADA, Nobuchika - RAUT, Digesh. Displaced vertex signature of type-I seesaw model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035023., Registrované v: WOS
69. [1.1] KAINULAINEN, K. - KEUS, V. - NIEMI, L. - RUMMUKAINEN, K. - TENKANEN, T.V.I. - VASKONEN, V. On the validity of perturbative studies of the electroweak phase transition in the Two Higgs Doublet model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 17 2019, no. 6., Registrované v: WOS
70. [1.1] KAKIZAKI, Mitsuru - KANEMURA, Shinya - KIKUCHI, Mariko - MATSUI, Toshinori - YOKOYA, Hiroshi. Indirect reach of heavy MSSM Higgs bosons by precision measurements at future lepton colliders. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 33, art. no. 1550192., Registrované v: WOS
71. [1.1] KANG, Sin Kyu - QIAN, Zhuoni - SONG, Jeonghyeon - YOON, Yeo Woong. Confronting the fourth generation two-Higgs-doublet model with the phenomenology of heavy Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095025., Registrované v: WOS
72. [1.1] KANG, Sin Kyu - SONG, Jeonghyeon. Top-phobic heavy Higgs boson as the 750 GeV diphoton resonance. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115012., Registrované v: WOS
73. [1.1] KAWAMURA, Junichiro - OMURA, Yuji. Diphoton excess at 750 GeV and LHC constraints in models with vectorlike particles. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115011., Registrované v: WOS
74. [1.1] KEUS, Venus - KOIVUNENA, Niko - TUOMINENA, Kimmo. Singlet scalar and 2HDM extensions of the Standard Model: CP-violation and constraints from $(g-2)(\mu)$ and eEDM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 059., Registrované v: WOS
75. [1.1] KIM, C.S. - PARK, S.C. - SAHOO, D. Angular distribution as an effective probe of new physics in semihadronic three-body meson decays. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 9 2019, vol. 100, no. 1., Registrované v: WOS
76. [1.1] KNAPEN, Simon - MELIA, Tom - PAPUCCI, Michele - ZUREK, Kathryn M. Rays of light from the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075020., Registrované v: WOS
77. [1.1] LIEBLER, Stefan. Neutral Higgs production at proton colliders in the CP-conserving NMSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 210., Registrované v: WOS
78. [1.1] MISIAK, M. - ASATRIAN, H. M. - BOUGHEZAL, R. - CZAKON, M. - EWERTH, T. - FERROGLIA, A. - FIEDLER, P. - GAMBINO, P. - GREUB, C. - HAISCH, U. - HUBER, T. - KAMINSKI, M. - OSSOLA, G. - PORADZINSKI, M. - REHMAN, A. - SCHUTZMEIER, T. - STEINHAUSER, M. - VIRTO, J. Updated Next-to-Next-to-Leading-Order QCD Predictions for the

- Weak Radiative B-Meson Decays. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 22, art. no. 221801., Registrované v: WOS
79. [1.1] MODAK, Tanmoy - SADHUKHAN, Soumya - SRIVASTAVA, Rahul. 750 GeV diphoton excess from gauged B L symmetry. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 756, pp. 405-412., Registrované v: WOS
80. [1.1] OBIKHOD, T.V. - PETRENKO, E.A. THE STUDY OF THE PROPERTIES OF THE EXTENDED HIGGS BOSON SECTOR WITHIN hMSSM MODEL. In PROBLEMS OF ATOMIC SCIENCE AND TECHNOLOGY. ISSN 1562-6016, 2019, no. 3, p. 3-10., Registrované v: WOS
81. [1.1] PRZEDZINSKI, T. - RICHTER-WAS, E. - WAS, Z. Documentation of TauSpinner algorithms: program for simulating spin effects in τ -lepton production at LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 30 2019, vol. 79, no. 2., Registrované v: WOS
82. [1.1] RIZZO, T.G. Kinetic mixing and portal matter phenomenology. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 18 2019, vol. 99, no. 11., Registrované v: WOS
83. [1.1] RUETER, T.D. - RIZZO, T.G. Towards a UV model of kinetic mixing and portal matter. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 24 2020, vol. 101, no. 1., Registrované v: WOS
84. [1.1] SHER, Marc - THRASHER, Keith. Flavor-changing leptonic decays of heavy Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055021., Registrované v: WOS
85. [1.1] SCHMALTZ, M. - ZHONG, Y.M. The leptoquark Hunter's guide: large coupling. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 15 2019, no. 1., Registrované v: WOS
86. [1.1] WANG, Lei - SHI, Rongle - HAN, Xiao-Fang. Wrong sign Yukawa coupling of the 2HDM with a singlet scalar as dark matter confronted with dark matter and Higgs data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 115025., Registrované v: WOS
87. [1.1] WANG, Lei - SHI, Rongle - HAN, Xiao-Fang - ZHU, Bin. Light scalar dark matter extension of the type-II two-Higgs-doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035024., Registrované v: WOS

ADCA961 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCÉI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for neutral MSSM Higgs bosons decaying to $\tau(+) \tau(-)$ pairs in proton-proton collisions root s=7 TeV with the ATLAS detector. In *Physics Letters B*, 2011, vol. 705, no. 3, p. 174-192. (2010: 5.255 - IF, Q1 - JCR, 3.103 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2011.10.001>

Ohlasy:

1. [1.1] ARGANDA, Ernesto - MARTIN-LOZANO, Victor - MEDINA, Anibal D. - MILEO, Nicolas I. Potential discovery of staus through heavy Higgs boson decays at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 056., Registrované v: WOS
2. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. - MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of heavy Higgs bosons decaying invisibly at the LHC. In NUCLEAR PHYSICS B.

- ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS
3. [1.1] BESKIDT, C. - DE BOER, W. - KAZAKOV, D. I. - WAYAND, S. Higgs branching ratios in constrained minimal and next-to-minimal supersymmetry scenarios surveyed. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 759, pp. 141-148., Registrované v: WOS
 4. [1.1] DEGRASSI, G. - DI VITA, S. - SLAVICH, P. Two-loop QCD corrections to the MSSM Higgs masses beyond the effective-potential approximation. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 2, art. no. 61., Registrované v: WOS
 5. [1.1] DUPUIS, Grace. Collider constraints and prospects of a scalar singlet extension to Higgs portal dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art. no. 008., Registrované v: WOS
 6. [1.1] LI, Tianjun - WANG, Wenyu - WANG, Xiao-Chuan - XIONG, Zhao-Hua. The analytical one-loop contributions to Higgs boson mass in the Supersymmetric Standard Model with vector-like particles. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 33, art. no. 1745002., Registrované v: WOS
 7. [1.1] SCHMALTZ, M. - ZHONG, Y.M. The leptoquark Hunter's guide: large coupling. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 15 2019, no. 1., Registrované v: WOS

ADCA962 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for new high-mass phenomena in the dilepton final state using 36 fb(-1) of proton-proton collision data at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2017, no. 10, art. no. 182. (2016: 6.063 - IF, Q1 - JCR, 1.163 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP10\(2017\)182](https://doi.org/10.1007/JHEP10(2017)182)

Ohlasy:

1. [1.1] ABAZAJIAN, K.N. - HEECK, J. Observing Dirac neutrinos in the cosmic microwave background. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 22 2019, vol. 100, no. 7., Registrované v: WOS
2. [1.1] AGASHE, K. - COLLINS, J.H. - DU, P.Z. - HONG, S. - KIM, D. - MISHRA, R.K. Dedicated strategies for triboson signals from cascade decays of vector resonances. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 15 2019, vol. 99, no. 7., Registrované v: WOS
3. [1.1] ALIOLI, Simone - FARINA, Marco - PAPPADOPULO, Duccio - RUDERMAN, Joshua T. Catching a New Force by the Tail. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 10, art. no. 101801., Registrované v: WOS
4. [1.1] ALMEIDA, E.D. - ROSA-AGOSTINHO, N. - EBOLI, O.J.P. - GONZALEZ-GARCIA, M.C. Light-quark dipole operators at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 22 2019, vol. 100, no. 1., Registrované v: WOS
5. [1.1] ALTMANNSHOFER, Wolfgang - MADDOCK, Brian. Flavorful two-Higgs-doublet models with a twist. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075005., Registrované v: WOS
6. [1.1] ALTMANNSHOFER, W. - DAVIGHI, J. - NARDECCHIA, M. Gauging the accidental symmetries of the standard model, and implications for

the flavor anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 7 2020, vol. 101, no. 1., Registrované v: WOS

7. [1.1] ALVARADO, J.S. - DIAZ, C.E. - MARTINEZ, R. Nonuniversal $U(1)(x)$ extension to the MSSM with three families. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 26 2019, vol. 100, no. 5., Registrované v: WOS

8. [1.1] ALVES, A. - EBOLI, O.J.P. - DI CORTONA, G.G. - MOREIRA, R.R. Indirect and monojet constraints on scalar leptoquarks. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 10 2019, vol. 99, no. 9., Registrované v: WOS

9. [1.1] ARROYO-URENA, M.A. - GAITAN, R. - MARTINEZ, R. - YEMHA, J.H.M.D. Dark matter in inert doublet model with one scalar singlet and $U(1)X$ gauge symmetry. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 28 2020, vol. 80, no. 8., Registrované v: WOS

10. [1.1] BAKER, M.J. - FUENTES-MARTIN, J. - ISIDORI, G. - KONIG, M. High- $p(T)$ signatures in vector-leptoquark models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, APR 13 2019, vol. 79, no. 4., Registrované v: WOS

11. [1.1] BANDYOPADHYAY, Triparno - BHATTACHARYYA, Gautam - DAS, Dipankar - RAYCHAUDHURI, Amitava. Reappraisal of constraints on Z' models from unitarity and direct searches at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035027., Registrované v: WOS

12. [1.1] BELYAEV, A. - COUPE, A. - FRANDSEN, M. - OLAIYA, E. - SHEPHERD-THEMISTOCLEOUS, C. Walking technicolor in light of Z' searches at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 8 2019, vol. 99, no. 5., Registrované v: WOS

13. [1.1] BENAVIDES, Richard H. - MUNOZ, Luis - PONCE, William A. - RODRIGUEZ, Oscar - ROJAS, Eduardo. Electroweak couplings and LHC constraints on alternative Z' models in E-6. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 35, art. no. 1850206., Registrované v: WOS

14. [1.1] BENAVIDES, R.H. - MUNOZ, L. - PONCE, W.A. - RODRIGUEZ, O. - ROJAS, E. Minimal Z' models for flavor anomalies. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JUL 2020, vol. 47, no. 7., Registrované v: WOS

15. [1.1] BERLIN, A. - BLINOV, N. Thermal neutrino portal to sub-MeV dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 23 2019, vol. 99, no. 9., Registrované v: WOS

16. [1.1] BERNAL, N. - RESTREPO, D. - YAGUNA, C.E. - ZAPATA, O. Two-component dark matter and a massless neutrino in a new $B - L$ model. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 30 2019, vol. 99, no. 1., Registrované v: WOS

17. [1.1] BERTONE, Valerio - CARRAZZA, Stefano - HARTLAND, Nathan P. - ROJO, Juan. Illuminating the photon content of the proton within a global PDF analysis. In SCIPOST PHYSICS. ISSN 2542-4653, 2018, vol. 5, no. 1, art. no. 008., Registrované v: WOS

18. [1.1] BHATTACHERJEE, B. - KHAN, N. - PATRA, A. Anatomy of heavy gauge bosons in a left-right supersymmetric model. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 10 2019, vol. 100, no. 7., Registrované v:

WOS

19. [1.1] BHAT, I.A. - ADHIKARI, R. Dark matter mass from relic abundance, an extra U(1) gauge boson, and active-sterile neutrino mixing. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 15 2020, vol. 101, no. 7., Registrované v: WOS
20. [1.1] BIGARAN, I. - VOLKAS, R.R. Getting chirality right: Single scalar leptoquark solutions to the $(g-2)_{e,\mu}$ puzzle. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 28 2020, vol. 102, no. 7., Registrované v: WOS
21. [1.1] BISCHER, I. - RODEJOHANN, W. General neutrino interactions from an effective field theory perspective. In NUCLEAR PHYSICS B. ISSN 0550-3213, OCT 2019, vol. 947., Registrované v: WOS
22. [1.1] BOBOVNIKOV, I. D. - OSLAND, P. - PANKOV, A. A. Improved constraints on the mixing and mass of Z' bosons from resonant diboson searches at the LHC at $\sqrt{s}=13$ TeV and predictions for Run II. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095029., Registrované v: WOS
23. [1.1] BONILLA, Cesar - MODAK, Tanmoy - SRIVASTAVA, Rahul - VALLE, Jose W. F. U(1)(B3-3L2) gauge symmetry as a simple description of $b \rightarrow s$ anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095002., Registrované v: WOS
24. [1.1] BOTELLA, F.J. - CORNET-GOMEZ, F. - NEBOT, M. Electron and muon $g-2$ anomalies in general flavor conserving two-Higgs-doublet models. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 24 2020, vol. 102, no. 3., Registrované v: WOS
25. [1.1] CALIBBI, Lorenzo - CRIVELLIN, Andreas - LI, Tianjun. Model of vector leptoquarks in view of the B-physics anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115002., Registrované v: WOS
26. [1.1] CALIBBI, L. - CRIVELLIN, A. - KIRK, F. - MANZARI, C.A. - VERNAZZA, L. Z' models with less-minimal flavor violation. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 6 2020, vol. 101, no. 9., Registrované v: WOS
27. [1.1] CALLE, J. - RESTREPO, D. - YAGUNA, C.E. - ZAPATA, O. Minimal radiative Dirac neutrino mass models. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 9 2019, vol. 99, no. 7., Registrované v: WOS
28. [1.1] CAMARGO, Daniel A. - MAMBRINI, Yann - QUEIROZ, Farinaldo S. XENON1T takes a razor to a dark E-6-inspired model. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 786, pp. 337-341., Registrované v: WOS
29. [1.1] CAMARGO, D.A. - DELLE ROSE, L. - MORETTI, S. - QUEIROZ, F.S. Collider bounds on 2-Higgs doublet models with U(1)(X) gauge symmetries. In PHYSICS LETTERS B. ISSN 0370-2693, JUN 10 2019, vol. 793, p. 150-160., Registrované v: WOS
30. [1.1] CLINE, James M. B decay anomalies and dark matter from vectorlike confinement. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 015013., Registrované v: WOS
31. [1.1] COLEPPA, Baradhwaj - KUMAR, Satendra - SARKAR, Agnivo. Fermiophobic gauge boson phenomenology in 221 models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095009., Registrované v: WOS

32. [1.1] COUTINHO, A.M. - CRIVELLIN, A. - MANZARI, C.A. Global Fit to Modified Neutrino Couplings and the Cabibbo-Angle Anomaly. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, AUG 14 2020, vol. 125, no. 7., Registrované v: WOS
33. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
34. [1.1] DASGUPTA, A. - KANG, S.K. - POPOV, O. Radiative Dirac neutrino mass, neutrinoless quadruple beta decay, and dark matter in B - L extension of the standard model. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 23 2019, vol. 100, no. 7., Registrované v: WOS
35. [1.1] DAS, Arindam - OKADA, Nobuchika - RAUT, Digesh. Enhanced pair production of heavy Majorana neutrinos at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115023., Registrované v: WOS
36. [1.1] DAS, K. - MONDAL, T. - RAI, S.K. Nonstandard signatures of vectorlike quarks in a leptophobic 221 model. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 4 2019, vol. 99, no. 11., Registrované v: WOS
37. [1.1] DEPPISCH, F.F. - KULKARNI, S. - LIU, W. Searching for a light Z' through Higgs production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 11 2019, vol. 100, no. 11., Registrované v: WOS
38. [1.1] DEPPISCH, F.F. - KULKARNI, S. - LIU, W. Heavy neutrino production via Z' at the lifetime frontier. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 7 2019, vol. 100, no. 3., Registrované v: WOS
39. [1.1] DONG, P.V. - NGAN, N.T.K. - THAM, T.D. - THIEN, L.D. - THUY, N.T. Phenomenology of the simple 3-3-1 model with inert scalars. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 23 2019, vol. 99, no. 9., Registrované v: WOS
40. [1.1] EL HEDRI, S. - NORDSTROM, K. Whac-a-constraint with anomaly-free dark matter models. In SCIPOST PHYSICS. ISSN 2542-4653, FEB 2019, vol. 6, no. 2., Registrované v: WOS
41. [1.1] ELAHI, F. - MARTIN, A. LHC constraints on a (B-L)(3) gauge boson. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 19 2019, vol. 100, no. 3., Registrované v: WOS
42. [1.1] FAISEL, G. - TANDEAN, J. Rare nonleptonic $(B)\text{over-bar}(S)(0)$ decays as probes of new physics behind $b \rightarrow s \mu(\mu)\text{over-bar}$ anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 8 2019, vol. 99, no. 7., Registrované v: WOS
43. [1.1] FARZAN, Yasaman - TORTOLA, Mariam. Neutrino Oscillations and Non-standard Interactions. In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2018, vol. 6, art. no. 10., Registrované v: WOS
44. [1.1] FERREIRA, M.M. - DE MELO, T.B. - KOVALENKO, S. - PINHEIRO, P.R.D. - QUEIROZ, F.S. Lepton flavor violation and collider searches in a type I plus II seesaw model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
45. [1.1] FORESTELL, Lindsay - MORRISSEY, David E. - SIGURDSON, Kris. Cosmological bounds on non-Abelian dark forces. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075029., Registrované v: WOS

46. [1.1] FRASER, S. - GABRIELLI, E. - MARZO, C. - MARZOLA, L. - RAIDAL, M. Left-right supersymmetry as the origin of flavor structure. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 2 2019, vol. 100, no. 11., Registrované v: WOS
47. [1.1] GULOV, A. V. - MOROZ, Ya. S. Optimal observables for Z' models in annihilation leptonic processes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115014., Registrované v: WOS
48. [1.1] GUZZI, M. - KIDONAKIS, N. $t\bar{t}Z'$ production at hadron colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 25 2020, vol. 80, no. 5., Registrované v: WOS
49. [1.1] HEECK, J. - LINDNER, M. - RODEJOHANN, W. - VOGL, S. Non-standard neutrino interactions and neutral gauge bosons. In SCIPOST PHYSICS. ISSN 2542-4653, MAR 2019, vol. 6, no. 3., Registrované v: WOS
50. [1.1] HOU, Wei-Shu - KOHDA, Masaya - MODAK, Tanmoy. Unraveling the couplings of a Drell-Yan produced Z' with heavy-flavor tagging. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 015002., Registrované v: WOS
51. [1.1] HUONG, D. T. - DONG, P. V. - DUY, N. T. - NHUAN, N. T. - THIEN, L. D. Investigation of dark matter in the 3-2-3-1 model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 055033., Registrované v: WOS
52. [1.1] HUTAURUK, P.T.P. - NOMURA, T. - OKADA, H. - ORIKASA, Y. Dark matter and B-meson anomalies in a flavor dependent gauge symmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 27 2019, vol. 99, no. 5., Registrované v: WOS
53. [1.1] CHACKO, Z. - KILIC, C. - NAJJARI, S. - VERHAAREN, C.B. Collider signals of the Mirror Twin Higgs boson through the hypercharge portal. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 29 2019, vol. 100, no. 3., Registrované v: WOS
54. [1.1] CHATTERJEE, A. - FRANK, M. - FUKS, B. - HUITU, K. - MONDAL, S. - RAI, S.K. - WALTARI, H. Multileptonic signals of co-annihilating left-right supersymmetric dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 15 2019, vol. 99, no. 3., Registrované v: WOS
55. [1.1] CHO, G.C. - YAMASHITA, K. - YONEMURA, M. Search for vector-mediated dark matter at the LHC with forward proton tagging. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 18 2020, vol. 101, no. 3., Registrované v: WOS
56. [1.1] JANA, Sudip - OKADA, Nobuchika - RAUT, Digesh. Displaced vertex signature of type-I seesaw model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035023., Registrované v: WOS
57. [1.1] JUNG, S. - LEE, D. - XIE, K.P. Beyond $M_{t(t)\bar{t}}$: learning to search for a broad $t(t)\bar{t}$ resonance at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 8 2020, vol. 80, no. 2., Registrované v: WOS
58. [1.1] KOWALSKA, K. - SESSOLO, E.M. - YAMAMOTO, Y. Constraints on charmphilic solutions to the muon $g-2$ with leptiquarks. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 11 2019, vol. 99, no. 5., Registrované v: WOS
59. [1.1] LIU, D. - WANG, L.T. - XIE, K.P. Broad composite resonances and their signals at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, OCT

18 2019, vol. 100, no. 7., Registrované v: WOS

60. [1.1] LIU, Xuewen - LIU, Zuowei. TeV dark matter and the DAMPE electron excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035025., Registrované v: WOS

61. [1.1] MARTINEZ, R. - OCHOA, F. - QUIMBAYO, J. M. B meson decay anomaly with a nonuniversal $U(1)'$ extension. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035036., Registrované v: WOS

62. [1.1] MARZOCCA, D. New Physics searches in EW physics. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2018, vol. 41, no. 4, art. no. 152., Registrované v: WOS

63. [1.1] MA, Ernest. $SO(10) \supset SU(5) \times U(1)(x)$ as the origin of dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 091701., Registrované v: WOS

64. [1.1] MOHAPATRA, R.N. - OKADA, N. Dark matter constraints on low mass and weakly coupled B - L gauge boson. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 27 2020, vol. 102, no. 3., Registrované v: WOS

65. [1.1] NANDA, Dibyendu - BORAH, Debasish. Common origin of neutrino mass and dark matter from anomaly cancellation requirements of a $U(1)(B-L)$ model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 115014., Registrované v: WOS

66. [1.1] OKADA, N. - RAUT, D. - VILLALBA, D. Domain-Wall Standard Model in non-compact 5D and LHC phenomenology. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, MAR 28 2019, vol. 34, no. 10., Registrované v: WOS

67. [1.1] OKADA, Satomi. Z' Portal Dark Matter in the Minimal B L Model. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2018, art. no. 5340935., Registrované v: WOS

68. [1.1] OLGUIN-TREJO, Y. - PEREZ-FIGUEROA, O. - PEREZ-MARTINEZ, R. - RAMOS-SANCHEZ, S. $U(1)'$ coupling constant at low energies from heterotic orbifolds. In PHYSICS LETTERS B. ISSN 0370-2693, AUG 10 2019, vol. 795, p. 673-681., Registrované v: WOS

69. [1.1] PAZ, Gil - ROY, Joydeep. Remarks on the Z' Drell-Yan cross section. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075025., Registrované v: WOS

70. [1.1] PEREZ, P.F. - MURGUI, C. - PLASCENCIA, A.D. Neutrino-dark matter connections in gauge theories. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 30 2019, vol. 100, no. 3., Registrované v: WOS

71. [1.1] PEREZ, P.F. - PLASCENCIA, A.D. Probing the nature of neutrinos with a new force. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 16 2020, vol. 102, no. 1., Registrované v: WOS

72. [1.1] ROCHA-MORAN, P. - VICENTE, A. Lepton flavor violation in a Z' model for the $b \rightarrow s$ anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 14 2019, vol. 99, no. 3., Registrované v: WOS

73. [1.1] SINGH, Soram Robertson - MAWLONG, Barilang. $331-Z'$ mediated FCNC effects on $b \rightarrow d \mu^{(+)} \mu^{(-)}$ transitions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 36, art. no. 1850225., Registrované v: WOS

74. [1.1] SINGH, Soram Robertson - MAWLONG, Barilang - D'CRUZ, Ritu. Investigating the $331-Z'$ mediated FCNC effects on $b \rightarrow s \mu^{(-)}$ transitions.

In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 21, art. no. 1850125., Registrované v: WOS
 75. [1.1] XU, Fang-Zhou - ZHANG, Wenxing - LI, Jinmian - LI, Tianjun. Search for the vectorlike leptons in the $U(1)(X)$ model inspired by the B-meson decay anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115033., Registrované v: WOS
 76. [1.1] YOON, J. - PESKIN, M.E. Dissection of an $SO(5) \times U(1)$ gauge-Higgs unification model. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 3 2019, vol. 100, no. 1., Registrované v: WOS

ADCA963 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for new light gauge bosons in Higgs boson decays to four-lepton final states in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector at the LHC. In *Physical Review D*, 2015, vol. 92, no. 9, art. no. 092001. (2014: 4.643 - IF, Q1 - JCR, 2.414 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.92.092001>

Ohlasy:

1. [1.1] ALIKHANOV, I. - PASCHOS, E. A. Searching for new light gauge bosons at $e(+)e(-)$ colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115004., Registrované v: WOS
2. [1.1] ARCADI, G. - DJOUADI, A. - RAIDAL, M. Dark Matter through the Higgs portal. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, FEB 3 2020, vol. 842, p. 1-180., Registrované v: WOS
3. [1.1] AYAZI, Seyed Yaser - FIROUZABADI, S. Mahdi - ZAKERI, S. Peyman. Freeze-in production of fermionic dark matter with pseudo-scalar and phenomenological aspects. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 9, art. no. 095006., Registrované v: WOS
4. [1.1] BARELLO, G. - CHANG, Spencer - NEWBY, Christopher A. Correlated signals at the energy and intensity frontiers from non-Abelian kinetic mixing. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055018., Registrované v: WOS
5. [1.1] BARMAN, R.K. - BHATTACHERJEE, B. - CHATTERJEE, A. - CHOUDHURY, A. - GUPTA, A. Scope of self-interacting thermal WIMPs in a minimal $U(1)(D)$ extension and its future prospects. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 28 2019, no. 5., Registrované v: WOS
6. [1.1] BLINOV, Nikita - IZAGUIRRE, Eder - SHUVE, Brian. Rare Z boson decays to a hidden sector. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 015009., Registrované v: WOS
7. [1.1] BOYE, D. - MAPEKULA, X. Search for a Higgs boson decaying through $Z(d)$ to 4 leptons. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2018). ISSN 1742-6588, 2019, vol. 1271., Registrované v: WOS
8. [1.1] DROR, J.A. - LASENBY, R. - POSPELOV, M. Light vectors coupled to bosonic currents. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 12 2019, vol. 99, no. 5., Registrované v: WOS

9. [1.1] ESSIG, Rouven - MEADE, Patrick - RAMANI, Harikrishnan - ZHONG, Yi-Ming. Higgs-precision constraints on colored naturalness. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 9, art. no. 085., Registrované v: WOS
10. [1.1] GAINER, James S. - GONZALEZ-ALONSO, Martn - GRELJO, Admir - ISAKOVIC, Senad - ISIDORI, Gino - KORYTOV, Andrey - LYKKEN, Joseph - MARZOCCA, David - MATCHEV, Konstantin T. - MILENOVIC, Predrag - MITSELMAKHER, Guenakh - MRENNNA, Stephen - PARK, Myeonghun - RINKEVICIUS, Aurelijus - SELIMOVIC, Nudzeim. Adding pseudo-observables to the four-lepton experimentalist's toolbox. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 073., Registrované v: WOS
11. [1.1] GAO, Christina - LUTY, Markus A. - MULHEARN, Michael - NEILL, Nicolas A. - WANG, Zhangqier. Searching for additional Higgs bosons via Higgs cascades. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075040., Registrované v: WOS
12. [1.1] HAISCH, Ulrich - KAMENIK, Jernej F. - MALINAUSKAS, Augustinas - SPIRA, Michael. Collider constraints on light pseudoscalars. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 178., Registrované v: WOS
13. [1.1] IZAGUIRRE, Eder - STOLARSKI, Daniel. Searching for Higgs Decays to as Many as 8 Leptons. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 22, art. no. 221803., Registrované v: WOS
14. [1.1] LEE, Hye-Sung - YUN, Seokhoon. Mini force: The (B L) plus xY gauge interaction with a light mediator. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115028., Registrované v: WOS
15. [1.1] NOMURA, T. - SHIMOMURA, T. Searching for scalar boson decaying into light Z' boson at collider experiments in U(1)(L mu-L tau) model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 13 2019, vol. 79, no. 7., Registrované v: WOS

ADCA964 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Search for new particles decaying into dijets in proton-antiproton collisions at root s=1.96 TeV. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2009, vol. 79, no. 11, art. no. 112002. (2008: 5.050 - IF, Q1 - JCR, 2.920 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.79.112002>

Ohlasy:

1. [1.1] BROD, Joachim - DROBNAK, Jure - KAGAN, Alexander L. - STAMOU, Emmanuel - ZUPAN, Jure. Stealth QCD-like strong interactions and the t(t)over-bar asymmetry. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 095009., Registrované v: WOS
2. [1.1] BUSONI, Giorgio - DE SIMONE, Andrea - JACQUES, Thomas - MORGANTE, Enrico - RIOTTO, Antonio. Making the most of the relic density for dark matter searches at the LHC 14 TeV Run. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2015, no. 3, art. no. 022., Registrované v: WOS
3. [1.1] COHEN, Timothy - LISANTI, Mariangela - LOU, Hou Keong. Semivisible Jets: Dark Matter Undercover at the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 17, art. no. 171804.,

Registrované v: WOS

4. [1.1] HOOPER, Dan. Z' mediated dark matter models for the Galactic Center gamma-ray excess. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 035025., Registrované v: WOS
5. [1.1] CHIVUKULA, R. Sekhar - ITTISAMAI, Pawin - MOHAN, Kirtimaan - SIMMONS, Elizabeth H. Color discriminant variable and scalar diquarks at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 075020., Registrované v: WOS
6. [1.1] CHIVUKULA, R. Sekhar - ITTISAMAI, Pawin - SIMMONS, Elizabeth H. Distinguishing flavor nonuniversal colorons from Z' bosons at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055021., Registrované v: WOS
7. [1.1] JACQUES, Thomas - NORDSTROEM, Karl. Mapping monojet constraints onto simplified dark matter models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 142., Registrované v: WOS
8. [1.1] MARTIN LOZANO, Victor - PEIRO, Miguel - SOLER, Pablo. Isospin violating dark matter in Stueckelberg portal scenarios. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 175., Registrované v: WOS

ADCA965 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for new particles decaying to ZZ using final states with leptons and jets with the ATLAS detector in $\sqrt{s}=7$ TeV proton-proton collisions. In *Physics Letters B*, 2012, vol. 712, no. 4-5, p. 331-350. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2012.05.020>

Ohlasy:

1. [1.1] BOBOVNIKOV, I. D. - OSLAND, P. - PANKOV, A. A. Improved constraints on the mixing and mass of Z' bosons from resonant diboson searches at the LHC at $\sqrt{s}=13$ TeV and predictions for Run II. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095029., Registrované v: WOS
2. [1.1] CANKOCAK, K. - DEMIR, D. - KARAHAN, C. - SEN, S. Electroweak stability and discovery luminosities for new physics. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 2020, vol. 80, no. 12., Registrované v: WOS
3. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS

ADCA966 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for new particles in events with one lepton and missing transverse momentum in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2014, vol. 2014, no. 9, art. no. 037. (2013: 6.220 - IF, Q1 - JCR, 1.173 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1029-8479.

Ohlasy:

1. [1.1] BECCIOLINI, Diego - FRANZOSI, Diogo Buarque - FOADI,

- Roshan - FRANDSEN, Mads T. - HAPOLA, Tuomas - SANNINO, Francesco. Custodial vector model. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 015013., Registrované v: WOS
2. [1.1] BELL, Nicole F. - CAI, Yi - DENT, James B. - LEANE, Rebecca K. - WEILER, Thomas J. Dark matter at the LHC: Effective field theories and gauge invariance. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 053008., Registrované v: WOS
3. [1.1] BHATTACHARYA, Tanmoy - CIRIGLIANO, Vincenzo - COHEN, Saul D. - GUPTA, Rajan - LIN, Huey-Wen - YOON, Boram. Axial, scalar, and tensor charges of the nucleon from 2+1+1-flavor Lattice QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 054508., Registrované v: WOS
4. [1.1] CRIVELLIN, Andreas - HAISCH, Ulrich - HIBBS, Anthony. LHC constraints on gauge boson couplings to dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 7, art. no. 074028., Registrované v: WOS
5. [1.1] DE SIMONE, Andrea - JACQUES, Thomas. Simplified models vs. effective field theory approaches in dark matter searches. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 7, art. no. 367., Registrované v: WOS
6. [1.1] D'ERAMO, Francesco - KAVANAGH, Bradley J. - PANCI, Paolo. Probing leptophilic dark sectors with hadronic processes. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 771, pp. 339-348., Registrované v: WOS
7. [1.1] FENG, Jonathan L. - FORMAL, Bartosz - GALON, Iftah - GARDNER, Susan - SMOLINSKY, Jordan - TAIT, Tim M. P. - TANEDO, Philip. Particle physics models for the 17 MeV anomaly in beryllium nuclear decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035017., Registrované v: WOS
8. [1.1] FUNATSU, Shuichiro - HATANAKA, Hisaki - HOSOTANI, Yutaka - ORIKASA, Yuta. Collider signals of W' and Z' bosons in the gauge-Higgs unification. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035032., Registrované v: WOS
9. [1.1] GHORBANI, Karim - KHALKHALI, Leila. Mono-Higgs signature in a fermionic dark matter model. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 10, art. no. 105004., Registrované v: WOS
10. [1.1] HAISCH, Ulrich - KAHLHOEFER, Felix - TAIT, Tim M. P. On mono-W signatures in spin-1 simplified models. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 760, pp. 207-213., Registrované v: WOS
11. [1.1] HISANO, Junji - NAGATA, Natsumi - OMURA, Yuji. Interpretations of the ATLAS diboson resonances. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 055001., Registrované v: WOS
12. [1.1] IZAGUIRRE, Eder - KRNJAIC, Gordan - SHUVE, Brian. Discovering inelastic thermal relic dark matter at colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 6, art. no. 063523., Registrované v: WOS
13. [1.1] KAHLHOEFER, Felix. Review of LHC dark matter searches. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 13, art. no. 1730006., Registrované v: WOS

14. [1.1] KIRILOVA, D. P. - CHIZHOV, V. M. Chiral tensor particles in the early Universe Present status. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2017, vol. 32, no. 34, art. no. 1750187., Registrované v: WOS
15. [1.1] KIRILOVA, D.P. - CHIZHOV, E.M. Cosmological constraints on chiral tensor particles. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, APR 20 2019, vol. 34, no. 11., Registrované v: WOS
16. [1.1] KIRILOVA, D.P. - CHIZHOV, E.M. Chiral Tensor Particles in the Early Universe BBN Constraints. In 10TH JUBILEE CONFERENCE OF THE BALKAN PHYSICAL UNION. ISSN 0094-243X, 2019, vol. 2075., Registrované v: WOS
17. [1.1] KNAPEN, Simon - MELIA, Tom - PAPUCCI, Michele - ZUREK, Kathryn M. Rays of light from the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075020., Registrované v: WOS
18. [1.1] LOW, Matthew - TESI, Andrea - WANG, Lian-Tao. Composite spin-1 resonances at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 8, art. no. 085019., Registrované v: WOS
19. [1.1] MONDAL, Tanmoy - DEY, Ujjal Kumar - KONAR, Partha. Implications of unitarity and charge breaking minima in a left-right symmetric model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 096005., Registrované v: WOS
20. [1.1] SAJJAD, Aqil. Understanding diboson anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055028., Registrované v: WOS
21. [1.1] SERENKOVA, I.A. - OSLAND, P. - PANKOV, A.A. Improved bounds on W-W ' mixing with ATLAS resonant WZ production data at the LHC at root s=13 TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 8 2019, vol. 100, no. 1., Registrované v: WOS
22. [1.1] THAMM, Andrea - TORRE, Riccardo - WULZER, Andrea. Composite Heavy Vector Triplet in the ATLAS Diboson Excess. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 22, art. no. 221802., Registrované v: WOS

ADCA967 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for New Particles in Two-Jet Final States in 7 TeV Proton-Proton Collisions with the ATLAS Detector at the LHC. In *Physical Review Letters*, 2010, vol. 105, no. 16, art. no. 161801. (2009: 7.328 - IF, 6.325 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.105.161801>

Ohlasy:

1. [1.1] BRYNGEMARK, Lene Kristian. The Standard Model and Beyond. In SEARCH FOR NEW PHENOMENA IN DIJET ANGULAR DISTRIBUTIONS AT (ROOT)S = 8 AND 13 TEV. ISSN 2190-5053, 2017, pp. 9-29., Registrované v: WOS
2. [1.1] DAI, Lianpan - SONG, Jian - LU, Xishan - DENG, Yong-Qiang - MUSYOKI, Abednego Moki - CHENG, Huijun - ZHANG, Yanfang - YUAN, Yuan - SONG, Hao - HAYWOOD, Joel - XIAO, Haixia - YAN, Jinghua - SHI, Yi - QIN, Cheng-Feng - QI, Jianxun - GAO, George F. Structures of the Zika Virus Envelope Protein and Its Complex with a Flavivirus Broadly Protective

- Antibody. In CELL HOST & MICROBE. ISSN 1931-3128, 2016, vol. 19, no. 5, pp. 696-704., Registrované v: WOS
3. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS
 4. [1.1] EGANA-UGRINOVIC, D. - HOMILLER, S. - MEADE, P. Higgs bosons with large couplings to light quarks. In PHYSICAL REVIEW D. ISSN 1550-7998, DEC 23 2019, vol. 100, no. 11., Registrované v: WOS
 5. [1.1] GUO, Yu-Chen - YUE, Chong-Xing - LIU, Zhi-Cheng. The signatures of doubly charged leptons in future linear colliders. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 8, art. no. 085004., Registrované v: WOS
 6. [1.1] HAO, Xiang - WU, Yinzong. Quantum parameter estimation in the Unruh-DeWitt detector model. In ANNALS OF PHYSICS. ISSN 0003-4916, 2016, vol. 372, pp. 110-118., Registrované v: WOS
 7. [1.1] CHIVUKULA, R. Sekhar - ITTISAMAI, Pawin - SIMMONS, Elizabeth H. Distinguishing flavor nonuniversal colorons from Z' bosons at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055021., Registrované v: WOS
 8. [1.1] LABAZI, Mohamed - MCNEIL, Anna K. - KURTZ, Timothy - LEE, Taylor C. - PEGG, Ronald B. - ANGELI, Jose Pedro Friedmann - CONRAD, Marcus - MCNEIL, Paul L. The antioxidant requirement for plasma membrane repair in skeletal muscle. In FREE RADICAL BIOLOGY AND MEDICINE. ISSN 0891-5849, 2015, vol. 84, pp. 246-253., Registrované v: WOS
 9. [1.1] LI, Chong Sheng. Search for the Signal of Monotop Production at the Early LHC. In QCD HIGHER-ORDER EFFECTS AND SEARCH FOR NEW PHYSICS. ISSN 2190-5053, 2016, pp. 107-129., Registrované v: WOS
 10. [1.1] LOSSO, Jack N. Alzheimer's Disease. In MAILLARD REACTION RECONSIDERED: COOKING AND EATING FOR HEALTH, 2016, pp. 283-311., Registrované v: WOS
 11. [1.1] OZERNOV-PALCHIK, Ola - WOLF, Maryanne - PATEL, Aniruddh D. Relationships between early literacy and nonlinguistic rhythmic processes in kindergarteners. In JOURNAL OF EXPERIMENTAL CHILD PSYCHOLOGY. ISSN 0022-0965, 2018, vol. 167, pp. 354-368., Registrované v: WOS
 12. [1.1] PANELLA, O. - LEONARDI, R. - PANCHERI, G. - SRIVASTAVA, Y. N. - NARAIN, M. - HEINTZ, U. Production of exotic composite quarks at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075034., Registrované v: WOS
 13. [1.1] Search for new phenomena in events with high jet multiplicity and low missing transverse momentum in proton-proton collisions at $\sqrt{s}=8\text{TeV}$. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 770, pp. 257-267., Registrované v: WOS
 14. [1.1] SENZEL, F. - UPHOFF, J. - XU, Z. - GREINER, C. The different energy loss mechanisms of inclusive and b-tagged reconstructed jets within ultra-relativistic heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 773, pp. 620-624., Registrované v: WOS
 15. [1.1] SENZEL, F. - XU, Z. - GREINER, C. Studies of the difference between light and heavy flavor energy loss by reconstructed jets. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289,

pp. 225-228., Registrované v: WOS

16. [1.1] SIDOROV, E. - SANGHERA, D.K. - VANAMALA, J.K.P. Biomarker for Ischemic Stroke Using Metabolome: A Clinician Perspective. In JOURNAL OF STROKE. ISSN 2287-6391, JAN 2019, vol. 21, no. 1, p. 31-41., Registrované v: WOS

17. [1.1] YANG, X. - QI, J.X. - PENG, R.C. - DAI, L.P. - GOULD, E.A. - GAO, G.F. - TIEN, P. Molecular Basis of a Protective/Neutralizing Monoclonal Antibody Targeting Envelope Proteins of both Tick-Borne Encephalitis Virus and Louping Ill Virus. In JOURNAL OF VIROLOGY. ISSN 0022-538X, APR 2019, vol. 93, no. 8., Registrované v: WOS

ADCA968 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for new phenomena in a lepton plus high jet multiplicity final state the ATLAS experiment using root S=13 TeV proton-proton collision data. In *Journal of High Energy Physics*, 2017, no. 9, art. no. 088. (2016: 6.063 - IF, Q1 - JCR, 1.163 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP09\(2017\)088](https://doi.org/10.1007/JHEP09(2017)088)

Ohlasy:

1. [1.1] AEBISCHER, J. - CRIVELLIN, A. - GREUB, C. QCD improved matching for semileptonic B decays with leptoquarks. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 8 2019, vol. 99, no. 5., Registrované v: WOS

2. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS

3. [1.1] LI, J.M. - LI, T.J. - ZHANG, W.X. Least constrained supersymmetry with R-parity violation. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 14 2019, vol. 99, no. 3., Registrované v: WOS

4. [1.1] MONTEUX, Angelo - RAJARAMAN, Arvind. B anomalies and leptoquarks at the LHC: Beyond the lepton-quark final state. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115032., Registrované v: WOS

5. [1.1] SAKAKI, Y. Quark jet rates and quark-gluon discrimination in multijet final states. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 18 2019, vol. 99, no. 11., Registrované v: WOS

ADCA969 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for new phenomena in different-flavour high-mass dilepton final states in pp collisions at root s=13 TeV with the ATLAS detector. In *European Physical Journal C*, 2016, vol. 76, no. 10, art. no. 541. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4385-1>

Ohlasy:

1. [1.1] ANGELESCU, A. - BECIREVIC, D. - FAROUGHY, D. A. - SUMENSARI, O. Closing the window on single leptoquark solutions to the B-physics anomalies. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 183., Registrované v: WOS

2. [1.1] ARCADI, Giorgio - LINDNER, Manfred - MAMBRINI, Yann -

PIERRE, Mathias - QUEIROZ, Farinaldo S. GUT models at current and future hadron colliders and implications to dark matter searches. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 771, pp. 508-514., Registrované v: WOS

3. [1.1] ARGANDA, E. - MARCANO, X. - MILEO, N.I. - MORALES, R.A. - SZYNKMAN, A. Model-independent search strategy for the lepton-flavor-violating heavy Higgs boson decay to tau mu at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 2019, vol. 79, no. 9., Registrované v: WOS

4. [1.1] BARDHAN, Debjyoti - CHAKRABORTY, Amit - CHOUDHURY, Debajyoti - GHOSH, Dilip Kumar - MAITY, Manas. Search for bottom squarks in the baryon-number violating MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035024., Registrované v: WOS

5. [1.1] BEDNYAKOV, Alexander - RUTBERG, Veronika. FCNC decays of the Higgs bosons in the BGL model. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2018, vol. 33, no. 31, art. no. 1850152., Registrované v: WOS

6. [1.1] BISWAS, Anirban - CHOUBEY, Sandhya - KHAN, Sarif. Neutrino mass, leptogenesis and FIMP dark matter in a $U(1)(B-L)$ model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 875., Registrované v: WOS

7. [1.1] BISWAS, Anirban - CHOUBEY, Sandhya - KHAN, Sarif. Inverse seesaw and dark matter in a gauged $B-L$ extension with flavour symmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 062., Registrované v: WOS

8. [1.1] CAI, Yi - SCHMIDT, Michael A. - VALENCIA, German. Lepton-flavour-violating gluonic operators: constraints from the LHC and low energy experiments. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 143., Registrované v: WOS

9. [1.1] DERCKS, Daniel - DREINER, Herbi - KRAUSS, Manuel E. - OPFERKUCH, Toby - REINERT, Annika. R-parity violation at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 856., Registrované v: WOS

10. [1.1] CHOUDHURY, D. - KUMAR, N. - KUNDU, A. Search for an opposite sign muon-tau pair and a b-jet at the LHC in the context of flavor anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 1 2019, vol. 100, no. 7., Registrované v: WOS

11. [1.1] LAKE, Matthew J. - CARR, Bernard. Does Compton-Schwarzschild duality in higher dimensions exclude TeV quantum gravity? In INTERNATIONAL JOURNAL OF MODERN PHYSICS D. ISSN 0218-2718, 2018, vol. 27, no. 16, art. no. 1930001., Registrované v: WOS

12. [1.1] SMARANDA, D.D. - MILLER, D.J. Scherk-Schwarz orbifolds at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS

ADCA970 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for New Phenomena in Dijet Angular Distributions in Proton-Proton Collisions at $\sqrt{s}=8$ TeV Measured with the ATLAS Detector. In *Physical Review Letters*, 2015, vol. 114, no. 22, art. no. 221802. (2014: 7.512 - IF, Q1 - JCR, 5.232 -

SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.114.221802>

Ohlasy:

1. [1.1] ALTE, Stefan - KONIG, Matthias - SHEPHERD, William. Consistent searches for SMEFT effects in non-resonant dijet events. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 1, art. no. 094., Registrované v: WOS
2. [1.1] BAUM, S. - CATENA, R. - KRAUSS, M.B. Constraints on new scalar and vector mediators from LHC dijet searches. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, MAY 2020, vol. 47, no. 5., Registrované v: WOS
3. [1.1] FUCHS, Claudia - GENNACCARO, Laura - TRAZZI, Stefania - BASTIANINI, Stefano - BETTINI, Simone - LO MARTIRE, Viviana - REN, Elisa - MEDICI, Giorgio - ZOCCOLI, Giovanna - RIMONDINI, Roberto - CIANI, Elisabetta. Heterozygous CDKL5 Knockout Female Mice Are a Valuable Animal Model for CDKL5 Disorder. In NEURAL PLASTICITY. ISSN 2090-5904, 2018, art. no. 9726950., Registrované v: WOS
4. [1.1] FUNATSU, Shuichiro - HATANAKA, Hisaki - HOSOTANI, Yutaka - ORIKASA, Yuta. Collider signals of W' and Z' bosons in the gauge-Higgs unification. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035032., Registrované v: WOS
5. [1.1] KHATIBI, Sara - NAJAFABADI, Mojtaba Mohammadi. Constraints on top quark flavor changing neutral currents using diphoton events at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 909, pp. 607-618., Registrované v: WOS
6. [1.1] LOW, Matthew - TESI, Andrea - WANG, Lian-Tao. Composite spin-1 resonances at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 8, art. no. 085019., Registrované v: WOS
7. [1.1] MOLINARO, Emiliano - SANNINO, Francesco - VIGNAROLI, Natascia. Collider tests of (composite) diphoton resonances. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 911, pp. 106-126., Registrované v: WOS
8. [1.1] RABBERTZ, Klaus. Future Perspectives. In JET PHYSICS AT THE LHC: THE STRONG FORCE BEYOND THE TEV SCALE. ISSN 0081-3869, 2017, vol. 268, pp. 199-212., Registrované v: WOS

ADCA971 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for new phenomena in dijet events using 37 fb(-1) of pp collision data collected at root s=13 TeV with the ATLAS detector. In *Physical review D*, 2017, vol. 96, no. 5, art. no. 052004. (2016: 4.557 - IF, Q1 - JCR, 2.115 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.96.052004>

Ohlasy:

1. [1.1] AGASHE, Kaustubh - COLLINS, Jack H. - DU, Peizhi - HONG, Sungwoo - KIM, Doojin - MISHRA, Rashmish K. Detecting a boosted diboson resonance. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 027., Registrované v: WOS
2. [1.1] AGRAWAL, Prateek - HOWE, Kiel. Factoring the strong CP

- problem. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 029., Registrované v: WOS
3. [1.1] ALLANACH, B.C. - CORBETT, T. - DOLAN, M.J. - YOU, T. Hadron collider sensitivity to fat flavourful Z's for R-K(*). In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 22 2019, no. 3., Registrované v: WOS
4. [1.1] ALTE, Stefan - KONIG, Matthias - SHEPHERD, William. Consistent searches for SMEFT effects in non-resonant dijet events. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 1, art. no. 094., Registrované v: WOS
5. [1.1] ARAZ, Jack Y. - CORCELLA, Gennaro - FRANK, Mariana - FUKS, Benjamin. Loopholes in Z ' searches at the LHC: exploring supersymmetric and leptophobic scenarios. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 092., Registrované v: WOS
6. [1.1] ARCADI, Giorgio - CAMPOS, Miguel D. - LINDNER, Manfred - MASIERO, Antonio - QUEIROZ, Farinaldo S. Dark sequential Z ' portal: Collider and direct detection experiments. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 4, art. no. 043009., Registrované v: WOS
7. [1.1] ASSAD, Nima - FORNAL, Bartosz - GRINSTEIN, Benjamin. Baryon number and lepton universality violation in leptoquark and diquark models. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 777, pp. 324-331., Registrované v: WOS
8. [1.1] BAGNASCHI, E. - COSTA, J.C. - SAKURAI, K. - BORSATO, M. - BUCHMUELLER, O. - DE ROECK, A. - DOLAN, M.J. - ELLIS, J.R. - FLACHER, H. - HAHN, K. - HEINEMEYER, S. - LUCIO, M. - SANTOS, D.M. - OLIVE, K.A. - TRIFA, S. - WEIGLEIN, G. Global analysis of dark matter simplified models with leptophobic spin-one mediators using MasterCode. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
9. [1.1] BAI, Yang - DOBRESCU, Bogdan A. Collider tests of the Renormalizable Coloron Model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 4, art. no. 114., Registrované v: WOS
10. [1.1] BAI, Yang - LU, Sida - XIANG, Qian-Fei. Hexapod coloron at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 200., Registrované v: WOS
11. [1.1] BANDYOPADHYAY, T. - DAS, D. - PASECHNIK, R. - RATHSMAN, J. Complementary bound on the W ' mass from Higgs boson to diphoton decay. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 14 2019, vol. 99, no. 11., Registrované v: WOS
12. [1.1] BARBIERI, Riccardo - TESI, Andrea. B-decay anomalies in Pati-Salam SU(4). In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 193., Registrované v: WOS
13. [1.1] BAUM, S. - CATENA, R. - KRAUSS, M.B. Impact of a XENONnT signal on LHC dijet searches. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 3 2019, no. 7., Registrované v: WOS
14. [1.1] BHATTACHERJEE, Biplob - BYAKTI, Pritibhajan - KUSHWAHA, Ashwani - VEMPATI, Sudhir K. Unification with vector-like fermions and signals at LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 090., Registrované v: WOS
15. [1.1] BHATTACHERJEE, B. - KHAN, N. - PATRA, A. Anatomy of

heavy gauge bosons in a left-right supersymmetric model. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 10 2019, vol. 100, no. 7., Registrované v: WOS

16. [1.1] BLANCO, C. - ESCUDERO, M. - HOOPER, D. - WITTE, S.J. Z ' mediated WIMPs: dead, dying, or soon to be detected?. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, NOV 2019, no. 11., Registrované v: WOS

17. [1.1] BORAH, Debasish - FUKS, Benjamin - GOSWAMI, Deepanjali - POULOSE, P. Investigating the scalar sector of left-right symmetric models with leptonic probes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035008., Registrované v: WOS

18. [1.1] BORDONE, Marzia - CORNELLA, Claudia - FUENTES-MARTIN, Javier - ISIDORI, Gino. A three-site gauge model for flavor hierarchies and flavor anomalies. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 779, pp. 317-323., Registrované v: WOS

19. [1.1] BORGHAIN, H. - DAS, M.K. - BORAH, D. Phenomenological study of texture zeros in lepton mass matrices of minimal left-right symmetric model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 14 2019, no. 6., Registrované v: WOS

20. [1.1] BOYARKIN, O. M. - BOYARKINA, G. G. - VASILEUSKAYA, D. S. The Higgs boson decays with the lepton flavor violation. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 17, art. no. 1850103., Registrované v: WOS

21. [1.1] BOYARKIN, O. M. - BOYARKINA, G. G. - VASILEUSKAYA, D. S. Decays of Z and Higgs Bosons Going with Charged Lepton Flavor Violation. In NONLINEAR PHENOMENA IN COMPLEX SYSTEMS. ISSN 1561-4085, 2018, vol. 21, no. 4, pp. 326-334., Registrované v: WOS

22. [1.1] BOYARKIN, O. M. - BOYARKINA, G. G. - VASILEUSKAYA, D. S. Lepton Flavor-Violating Decays of the Higgs Boson within the Left-Right Symmetric Model. In NONLINEAR PHENOMENA IN COMPLEX SYSTEMS. ISSN 1561-4085, 2018, vol. 21, no. 2, pp. 102-113., Registrované v: WOS

23. [1.1] CACCIAPAGLIA, G. - CONTE, E. - DEANDREA, A. - FUKS, B. - SHAO, H.S. LHC constraints and potential on resonant monotop production. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 25 2019, vol. 79, no. 2., Registrované v: WOS

24. [1.1] CAI, Yi - HAN, Tao - LI, Tong - RUIZ, Richard. Lepton Number Violation: Seesaw Models and Their Collider Tests. In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2018, vol. 6, art. no. 40., Registrované v: WOS

25. [1.1] CIRIGLIANO, V. - DEKENS, W. - DE VRIES, J. - GRAESSER, M. L. - MEREGHETTI, E. A neutrinoless double beta decay master formula from effective field theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 097., Registrované v: WOS

26. [1.1] CLINE, James M. B decay anomalies and dark matter from vectorlike confinement. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 015013., Registrované v: WOS

27. [1.1] COOK, William G. - SPERHAKE, Ulrich - BERTI, Emanuele - CARDOSO, Vitor. Black-hole head-on collisions in higher dimensions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 12, art. no.

124006., Registrované v: WOS

28. [1.1] COOK, William G. - WANG, Diandian - SPERHAKÉ, Ulrich. Orbiting black-hole binaries and apparent horizons in higher dimensions. In CLASSICAL AND QUANTUM GRAVITY. ISSN 0264-9381, 2018, vol. 35, no. 23, art. no. 235008., Registrované v: WOS

29. [1.1] CURTIN, David - DIENES, Keith R. - THOMAS, Brooks. Dynamical Dark Matter, MATHUSLA, and the lifetime frontier. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115005., Registrované v: WOS

30. [1.1] DARME, Luc - FUKS, Benjamin - GOODSÉLL, Mark. Cornering sgluons with four-top-quark events. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 784, pp. 223-228., Registrované v: WOS

31. [1.1] DAS, Arindam - OKADA, Nobuchika - RAUT, Digesh. Enhanced pair production of heavy Majorana neutrinos at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115023., Registrované v: WOS

32. [1.1] DAS, K. - MONDAL, T. - RAI, S.K. Nonstandard signatures of vectorlike quarks in a leptophobic 221 model. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 4 2019, vol. 99, no. 11., Registrované v: WOS

33. [1.1] DE OLIVEIRA, Ednilton S. Scalar scattering from black holes with tidal charge. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 11, art. no. 876., Registrované v: WOS

34. [1.1] DI LUZIO, Luca - FUENTES-MARTIN, Javier - GRELJO, Admir - NARDECCHIA, Marco - RENNER, Sophie. Maximal flavour violation: a Cabibbo mechanism for leptoquarks. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 081., Registrované v: WOS

35. [1.1] DI LUZIO, Luca - GRELJO, Admir - NARDECCHIA, Marco. Gauge leptoquark as the origin of B-physics anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 115011., Registrované v: WOS

36. [1.1] DING, Ran - HAN, Zhi-Long - HUANG, Li - LIAO, Yi. Phenomenology of colored radiative neutrino mass model and its implications on cosmic-ray observations. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 10, art. no. 103101., Registrované v: WOS

37. [1.1] EGANA-UGRINOVIC, D. - HOMILLER, S. - MEADE, P. Higgs bosons with large couplings to light quarks. In PHYSICAL REVIEW D. ISSN 1550-7998, DEC 23 2019, vol. 100, no. 11., Registrované v: WOS

38. [1.1] EKSTEDT, Andreas - ENBERG, Rikard - INGELMAN, Gunnar - LOFGREN, Johan - MANDAL, Tanumoy. Minimal anomalous U(1) theories and collider phenomenology. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 152., Registrované v: WOS

39. [1.1] EL HEDRI, S. - NORDSTROM, K. Whac-a-constraint with anomaly-free dark matter models. In SCIPOST PHYSICS. ISSN 2542-4653, FEB 2019, vol. 6, no. 2., Registrované v: WOS

40. [1.1] ENGLERT, Christoph - FERRETTI, Gabriele - SPANNOVSKY, Michael. Jet-associated resonance spectroscopy. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 842., Registrované v: WOS

41. [1.1] FRANK, M. - HUITU, K. - MONDAL, S. Dark matter and collider signals in supersymmetric U(1)' models with nonuniversal Z' couplings.

- In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 9 2019, vol. 100, no. 11.,
Registrované v: WOS
42. [1.1] FRANK, M. - OZDAL, O. - POULOSE, P. Relaxing LHC constraints on the W-R mass. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 5 2019, vol. 99, no. 3., Registrované v: WOS
43. [1.1] GIUDICE, Gian F. - KATS, Yevgeny - MCCULLOUGH, Matthew - TORRE, Riccardo - URBANO, Alfredo. Clockwork/linear dilaton: structure and phenomenology. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 009., Registrované v: WOS
44. [1.1] GROSS, C. - MITRIDATE, A. - REDI, M. - SMIRNOV, J. - STRUMIA, A. Cosmological abundance of colored relics. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 31 2019, vol. 99, no. 1., Registrované v: WOS
45. [1.1] HIRSCHI, Valentin - MALTONI, Fabio - TSINIKOS, Ioannis - VRYONIDOU, Eleni. Constraining anomalous gluon self-interactions at the LHC: a reappraisal. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 093., Registrované v: WOS
46. [1.1] HUONG, D.T. - DINH, D.N. - THIEN, L.D. - DONG, P.V. Dark matter and flavor changing in the flipped 3-3-1 model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 8 2019, no. 8., Registrované v: WOS
47. [1.1] CHATTERJEE, A. - FRANK, M. - FUKS, B. - HUITU, K. - MONDAL, S. - RAI, S.K. - WALTARI, H. Multileptonic signals of co-annihilating left-right supersymmetric dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 15 2019, vol. 99, no. 3., Registrované v: WOS
48. [1.1] CHIVUKULA, R. Sekhar - FOREN, Dennis - SIMMONS, Elizabeth H. Colorphilic spin-2 resonances in the LHC dijet channel. In PHYSICA SCRIPTA. ISSN 0031-8949, 2018, vol. 93, no. 11, art. no. 115301., Registrované v: WOS
49. [1.1] JANA, S. - VISHNU, P.K. - SAAD, S. Minimal dirac neutrino mass models from U(1)(R) gauge symmetry and left-right asymmetry at colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
50. [1.1] KANG, Sin Kyu - QIAN, Zhuoni - SONG, Jeonghyeon - YOON, Yeo Woong. Confronting the fourth generation two-Higgs-doublet model with the phenomenology of heavy Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095025., Registrované v: WOS
51. [1.1] KRAUSE, C. - PICH, A. - ROSELL, I. - SANTOS, J. - SANZ-CILLERO, J.J. Colorful imprints of heavy states in the electroweak effective theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 17 2019, no. 5., Registrované v: WOS
52. [1.1] LIU, D. - WANG, L.T. - XIE, K.P. Prospects of searching for composite resonances at the LHC and beyond. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 18 2019, no. 1., Registrované v: WOS
53. [1.1] LI, T. - LIAO, Y. Constraints on dimension-seven operators with a derivative in effective field theory for Dirac dark matter. In PHYSICS LETTERS B. ISSN 0370-2693, SEP 10 2019, vol. 796, p. 6-10., Registrované v: WOS
54. [1.1] LOI, D.V. - DONG, P.V. - THUY, L.X. Kinetic mixing effect in

- noncommutative B - L gauge theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 9 2019, no. 9., Registrované v: WOS
55. [1.1] LYONS, Louis - WARDLE, Nicholas. Statistical issues in searches for new phenomena in High Energy Physics. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 3, art. no. 033001., Registrované v: WOS
56. [1.1] MANDAL, Tanumoy. Exclusion Limits on a Scalar Decaying to Photons and Distinguishing Its Production Mechanisms. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2018, art. no. 9150617., Registrované v: WOS
57. [1.1] MARZOCCA, David. Addressing the B-physics anomalies in a fundamental Composite Higgs model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 121., Registrované v: WOS
58. [1.1] NEMEVSEK, Miha - NESTI, Fabrizio - POPARA, Goran. Keung-Senjanovic process at the LHC: From lepton number violation to displaced vertices to invisible decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115018., Registrované v: WOS
59. [1.1] OKADA, N. - RAUT, D. - VILLALBA, D. Fermion mass hierarchy and phenomenology in the 5D Domain Wall Standard Model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 28 2019, no. 10., Registrované v: WOS
60. [1.1] OKADA, Satomi. Z' Portal Dark Matter in the Minimal B L Model. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2018, art. no. 5340935., Registrované v: WOS
61. [1.1] PENNING, Bjoern. The pursuit of dark matter at colliders-an overview. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 6, art. no. 063001., Registrované v: WOS
62. [1.1] PEREZ, P.F. - GOLIAS, E. - LI, R.H. - MURGUI, C. Leptophobic dark matter and the baryon number violation scale. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 11 2019, vol. 99, no. 3., Registrované v: WOS
63. [1.1] RENNER, Sophie - SCHWALLER, Pedro. A flavoured dark sector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 052., Registrované v: WOS
64. [1.1] SAHIN, M. - AYDIN, G. - GUNAYDIN, Y.O. Excited quarks production at FCC and SppC pp colliders. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, OCT 20 2019, vol. 34, no. 29., Registrované v: WOS
65. [1.1] TREVISANI, Nicola. Collider Searches for Dark Matter (ATLAS. In UNIVERSE. ISSN 2218-1997, 2018, vol. 4, no. 11, art. no. 131., Registrované v: WOS

ADCA972 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABELOOS, B. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for new phenomena in dijet mass and angular distributions from pp collisions at root s=13 TeV with the ATLAS detector. In *Physics Letters B*, 2016, vol. 754, p. 302-322. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2016.01.032>

Ohlasy:

1. [1.1] ABDALLAH, W. - HAMMAD, A. - KHALIL, S. - MORETTI, S. Search for mono-Higgs signals at the LHC in the B L supersymmetric standard model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055019., Registrované v: WOS
2. [1.1] ALIOLI, Simone - FARINA, Marco - PAPPADOPULO, Duccio - RUDERMAN, Joshua T. Precision probes of QCD at high energies. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 7, art. no. 097., Registrované v: WOS
3. [1.1] ARCADI, Giorgio - GHOSH, Pradipta - MAMBRINI, Yann - PIERRE, Mathias - QUEIROZ, Farinaldo S. Z 'portal to Chern-Simons Dark Matter. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2017, no. 11, art. no. 020., Registrované v: WOS
4. [1.1] BAHRAMI, Sahar - FRANK, Mariana - GHOSH, Dilip Kumar - GHOSH, Nivedita - SAHA, Ipsita. Dark matter and collider studies in the left-right symmetric model with vectorlike leptons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095024., Registrované v: WOS
5. [1.1] BARDUCCI, D. - BELANGER, G. - BERNON, J. - BOUDJEMA, F. - DA SILVA, J. - KRAML, S. - LAA, U. - PUKHOV, A. Collider limits on new physics within micrOMEGAs_4.3. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 222, pp. 327-338., Registrované v: WOS
6. [1.1] BELANGER, Geneveve - DA SILVA, Jonathan - HIEU MINH TRAN. Dark matter in U(1) extensions of the MSSM with gauge kinetic mixing. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115017., Registrované v: WOS
7. [1.1] BHATIA, Disha - CHAKRABORTY, Sabyasachi - DIGHE, Amol. Neutrino mixing and R-K anomaly in U(1)(X) models : a bottom-up approach. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 117., Registrované v: WOS
8. [1.1] BHATTIPROLU, P.N. - MARTIN, S.P. Signal-background interference for digluon resonances at the Large Hadron Collider. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 16 2020, vol. 102, no. 1., Registrované v: WOS
9. [1.1] BOYARKIN, O. M. - BOYARKINA, G. G. Can we observe the new physics manifestations by the use of ultra-high energy cosmic neutrinos? In ASTROPARTICLE PHYSICS. ISSN 0927-6505, 2017, vol. 96, pp. 18-23., Registrované v: WOS
10. [1.1] CURRIE, J. - RIDDER, A. Gehrmann-De - GEHRMANN, T. - GLOVER, E. W. N. - HUSS, A. - PIRES, J. Precise Predictions for Dijet Production at the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 15, art. no. 152001., Registrované v: WOS
11. [1.1] DE OLIVEIRA, Ednilton S. Scalar scattering from black holes with tidal charge. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 11, art. no. 876., Registrované v: WOS
12. [1.1] DE OLIVEIRA, E.S. Electromagnetic absorption, emission and scattering spectra of black holes with tidal charge. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, NOV 3 2020, vol. 135, no. 11., Registrované v: WOS
13. [1.1] D'HONDT, Jorgen - MARIOTTI, Alberto - MIMASU, Ken -

- MOORTGAT, Seth - ZHANG, Cen. Learning to pinpoint effective operators at the LHC: a study of the $t(t)\text{over-bar}b(b)\text{over-bar}$ signature. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 131., Registrované v: WOS
14. [1.1] FRANK, Mariana - FUKS, Benjamin - HUITU, Katri - RAI, Santosh Kumar - WALTARI, Harri. Resonant slepton production and right sneutrino dark matter in left-right supersymmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 5, art. no. 015., Registrované v: WOS
15. [1.1] FREITAS, Ayres - WIEGAND, Daniel. QCD corrections to massive color-octet vector boson pair production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 9, art. no. 058., Registrované v: WOS
16. [1.1] FUKS, Benjamin - RUIZ, Richard. A comprehensive framework for studying W' and Z' bosons at hadron colliders with automated jet veto resummation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 5, art. no. 032., Registrované v: WOS
17. [1.1] FUNATSU, Shuichiro - HATANAKA, Hisaki - HOSOTANI, Yutaka - ORIKASA, Yuta. Collider signals of W' and Z' bosons in the gauge-Higgs unification. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035032., Registrované v: WOS
18. [1.1] GHOSH, Pradipta - LARA, Inaki - LOPEZ-FOGLIANI, Daniel E. - MUNOZ, Carlos - DE AUSTRI, Roberto Ruiz. Searching for left sneutrino LSP at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 18-19, art. no. 1850110., Registrované v: WOS
19. [1.1] GODBOLE, Rohini M. - MENDIRATTA, Gaurav - SHIVAJI, Ambresh - TAIT, Tim M. P. Mono-jet signatures of gluphilic scalar dark matter. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 772, pp. 93-99., Registrované v: WOS
20. [1.1] GUTIERREZ-RODRIGUEZ, A. - HERNANDEZ-RUIZ, M. A. Probing the Z' resonance and the Higgs boson production and decay in a $SU(3)(L)$ circle times $U(1)(N)$ model at future $e(+)e(-)$ colliders. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 9, art. no. 352., Registrované v: WOS
21. [1.1] CHOUDHURY, Arghya - KOWALSKA, Kamila - ROSZKOWSKI, Leszek - SESSOLO, Enrico Maria - WILLIAMS, Andrew J. Blind Spots for Direct Detection with Simplified DM Models and the LHC. In UNIVERSE. ISSN 2218-1997, 2017, vol. 3, no. 2, art. no. 41., Registrované v: WOS
22. [1.1] IBE, Masahiro - YANAGIDA, Tsutomu T. Lower limit on the gravitino mass in low-scale gauge mediation with $m(H)$ similar or equal to 125 GeV. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 764, pp. 260-264., Registrované v: WOS
23. [1.1] KRAUSS, Frank - KUTTIMALAI, Silvan - PLEHN, Tilman. LHC multijet events as a probe for anomalous dimension-six gluon interactions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035024., Registrované v: WOS
24. [1.1] MANDAL, Sanjoy - MITRA, Manimala - SINHA, Nita. Constraining the right-handed gauge boson mass from lepton number violating

- meson decays in a low scale left-right model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035023., Registrované v: WOS
25. [1.1] MANDAL, Tanumoy - EKSTEDT, Andreas - ENBERG, Rikard - INGELMAN, Gunnar - LOFGREN, Johan. Exclusion Limits on Minimal Anomaly Free U(1) Extensions of the Standard Model. In XXII DAE HIGH ENERGY PHYSICS SYMPOSIUM. ISSN 0930-8989, 2018, vol. 203, pp. 243-246., Registrované v: WOS
26. [1.1] NIEHOFF, Christoph - STANGL, Peter - STRAUB, David M. Electroweak symmetry breaking and collider signatures in the next-to-minimal composite Higgs model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, pp. 1-50., Registrované v: WOS
27. [1.1] PANELLA, O. - LEONARDI, R. - PANCHERI, G. - SRIVASTAVA, Y. N. - NARAIN, M. - HEINTZ, U. Production of exotic composite quarks at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075034., Registrované v: WOS
28. [1.1] RABBERTZ, Klaus. Future Perspectives. In JET PHYSICS AT THE LHC: THE STRONG FORCE BEYOND THE TEV SCALE. ISSN 0081-3869, 2017, vol. 268, pp. 199-212., Registrované v: WOS
29. [1.1] RUIZ, Richard. Lepton number violation at colliders from kinematically inaccessible gauge bosons. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 6, art. no. 375., Registrované v: WOS
30. [1.1] Search for new phenomena in events with high jet multiplicity and low missing transverse momentum in proton-proton collisions at root s=8TeV. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 770, pp. 257-267., Registrované v: WOS
31. [1.1] SIMMONS, Elizabeth H. - CHIVUKULA, R. Sekhar - ITTISAMAI, Pawin - MOHAN, Kirtimaan. Simplified Limits on New LHC Resonances. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 01019., Registrované v: WOS

ADCA973 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in root s=13 TeV pp collisions with the ATLAS detector. In *European Physical Journal C*, 2017, vol. 77, no. 3, art. no. 144. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-017-4700-5>

Ohlasy:

1. [1.1] BUFFING, Maarten G. A. - DIEHL, Markus - KASEMETS, Tomas. Transverse momentum in double parton scattering: factorisation, evolution and matching. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 1, art. no. 044., Registrované v: WOS
2. [1.1] CABOUAT, B. - GAUNT, J.R. - OSTROLENK, K. A. Monte-Carlo simulation of double parton scattering. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 11 2019, no. 11., Registrované v: WOS
3. [1.1] DERY, Avital - NIR, Yosef. FN-2HDM: Two Higgs Doublet

- Models with Froggatt-Nielsen symmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, art. no. 003., Registrované v: WOS
4. [1.1] DEUTSCHMANN, Nicolas - FLACKE, Thomas - KIM, Jong Soo. Current LHC constraints on minimal universal extra dimensions. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 771, pp. 515-520., Registrované v: WOS
5. [1.1] FERREIRA, M.M. - DE MELO, T.B. - KOVALENKO, S. - PINHEIRO, P.R.D. - QUEIROZ, F.S. Lepton flavor violation and collider searches in a type I plus II seesaw model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
6. [1.1] GALON, Iftah - ZUPAN, Jure. Dark sectors and enhanced $h \rightarrow \tau \mu$ transitions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 5, art. no. 083., Registrované v: WOS
7. [1.1] LANSBERG, J.P. New observables in inclusive production of quarkonia. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, DEC 20 2020, vol. 889, p. 1-106., Registrované v: WOS
8. [1.1] LINDNER, Manfred - PLATSCHER, Moritz - QUEIROZ, Farinaldo S. A call for new physics: The muon anomalous magnetic moment and lepton flavor violation. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2018, vol. 731, pp. 1-82., Registrované v: WOS
9. [1.1] PRIMULANDO, Reinard - UTTAYARAT, Patipan. Probing lepton flavor violation at the 13 TeV LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 5, art. no. 055., Registrované v: WOS
10. [1.1] PROKHOROV, A.A. - LIPATOV, A.V. - MALYSHEV, M.A. - BARANOV, S.P. Revisiting the production of J/ψ pairs at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 11 2020, vol. 80, no. 11., Registrované v: WOS
11. [1.1] YI, Kai. Things that go bump in the night: From J/ψ ϕ to other mass spectrum. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 36, art. no. 1850224., Registrované v: WOS

ADCA974 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for new phenomena in events with same-charge leptons and b-jets in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2018, no. 12, art. no. 039. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP12\(2018\)039](https://doi.org/10.1007/JHEP12(2018)039)

Ohlasy:

1. [1.1] ALTMANNSHOFER, W. - MADDOCK, B. - TUCKLER, D. Rare top decays as probes of flavorful Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 8 2019, vol. 100, no. 1., Registrované v: WOS
2. [1.1] MIRALLES, V. - PICH, A. LHC bounds on colored scalars. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 24 2019, vol. 100, no. 11., Registrované v: WOS

ADCA975 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for new phenomena in events with a photon and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. In *Physical Review D*, 2015, vol. 91, no. 1, art. no. 012008. (2014: 4.643 - IF, Q1 - JCR, 2.414 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.91.012008>

Ohlasy:

1. [1.1] ALVES, Alexandre - DIAS, M. - DE CAMPOS, F. - DUARTE, L. - HOFF DA SILVA, J. M. Constraining Elko dark matter at the LHC with monophoton events. In *EPL*. ISSN 0295-5075, 2018, vol. 121, no. 3, art. no. 31001., Registrované v: WOS
2. [1.1] BERNAL, Nicolas - HEIKINHEIMO, Matti - TENKANEN, Tommi - TUOMINEN, Kimmo - VASKONEN, Ville. The dawn of FIMP Dark Matter: A review of models and constraints. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2017, vol. 32, no. 27, art. no. 1730023., Registrované v: WOS
3. [1.1] BEURIA, Jyotiranjana - DATA, Asesh Krishna - DEBNATH, Dipsikha - MATCHEV, Konstantin T. LHC collider phenomenology of minimal universal extra dimensions. In *COMPUTER PHYSICS COMMUNICATIONS*. ISSN 0010-4655, 2018, vol. 226, pp. 187-205., Registrované v: WOS
4. [1.1] BRAX, Philippe - BURRAGE, Clare - ENGLERT, Christoph. Disformal dark energy at colliders. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 4, art. no. 044036., Registrované v: WOS
5. [1.1] BRAX, Philippe - BURRAGE, Clare - ENGLERT, Christoph - SPANNOVSKY, Michael. LHC signatures of scalar dark energy. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 94, no. 8, art. no. 084054., Registrované v: WOS
6. [1.1] CERMENO, M. - ANGELES PEREZ-GARCIA, M. - SILK, Joseph. Fermionic Light Dark Matter Particles and the New Physics of Neutron Stars. In *PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF AUSTRALIA*. ISSN 1323-3580, 2017, vol. 34, art. no. e043., Registrované v: WOS
7. [1.1] CRIVELLIN, Andreas - HAISCH, Ulrich - HIBBS, Anthony. LHC constraints on gauge boson couplings to dark matter. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 91, no. 7, art. no. 074028., Registrované v: WOS
8. [1.1] DE ROMERI, Valentina - KIM, Jong Soo - MARTIN-LOZANO, Victor - ROLBIECKI, Krzysztof - RUIZ DE AUSTRI, Roberto. Confronting dark matter with the diphoton excess from a parent resonance decay. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 262., Registrované v: WOS
9. [1.1] DE SIMONE, Andrea - JACQUES, Thomas. Simplified models vs. effective field theory approaches in dark matter searches. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2016, vol. 76, no. 7, art. no. 367., Registrované v: WOS
10. [1.1] DERCKS, Daniel - DESAI, Nishita - KIM, Jong Soo - ROLBIECKI, Krzysztof - TATTERSALL, Jamie - WEBER, Torsten. CheckMATE 2: From the model to the limit. In *COMPUTER PHYSICS*

COMMUNICATIONS. ISSN 0010-4655, 2017, vol. 221, pp. 383-418.,
Registrované v: WOS

11. [1.1] DEV, P.S.B. - FERRER, F. - ZHANG, Y.Y. - ZHANG, Y.C.
Gravitational waves from first-order phase transition in a simple axion-like
particle model. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE
PHYSICS. ISSN 1475-7516, NOV 2019, no. 11., Registrované v: WOS

12. [1.1] DUARTE, Lucia - PERESSUTTI, Javier - SAMPAYO, Oscar
A. Majorana neutrino decay in an effective approach. In PHYSICAL REVIEW
D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 093002., Registrované v: WOS

13. [1.1] DUARTE, Lucia - ROMERO, Ismael - PERESSUTTI, Javier -
SAMPAYO, Oscar A. Effective Majorana neutrino decay. In EUROPEAN
PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 8, art. no. 453.,
Registrované v: WOS

14. [1.1] DUARTE, L. - DIAS, M. - DE CAMPOS, F. A tutorial
approach on mass dimension one fermions phenomenological analysis. In
EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355,
SEP 2020, vol. 229, no. 11, SI, p. 2133-2146., Registrované v: WOS

15. [1.1] ELLIS, John - FOWLIE, Andrew - MARZOLA, Luca -
RAIDAL, Martti. Statistical analyses of Higgs- and Z-portal dark matter models.
In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no.
115014., Registrované v: WOS

16. [1.1] ENGLERT, Christoph - JAECKEL, Joerg. Getting stuck! Using
monosignatures to test highly ionizing particles. In PHYSICS LETTERS B. ISSN
0370-2693, 2017, vol. 769, pp. 513-519., Registrované v: WOS

17. [1.1] FERNANDEZ, Nicolas - SEONG, Ilsoo - STENGEL, Patrick.
Constraints on light dark matter from single-photon decays of heavy quarkonium.
In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no.
054023., Registrované v: WOS

18. [1.1] GHORBANI, Karim - KHALKHALI, Leila. Mono-Higgs
signature in a fermionic dark matter model. In JOURNAL OF PHYSICS
G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no.
10, art. no. 105004., Registrované v: WOS

19. [1.1] HEISIG, Jan - KRAEMER, Michael - PELLEN, Mathieu -
WIEBUSCH, Christopher. Constraints on Majorana dark matter from the LHC
and IceCube. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5,
art. no. 055029., Registrované v: WOS

20. [1.1] IZAGUIRRE, Eder - KRNJAIC, Gordan - SHUVE, Brian.
Discovering inelastic thermal relic dark matter at colliders. In PHYSICAL
REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 6, art. no. 063523.,
Registrované v: WOS

21. [1.1] KAKIZAKI, Mitsuru - PARK, Eun-Kyung - PARK, Jae-hyeon -
SANTAA, Akiteru. Phenomenological constraints on light mixed sneutrino dark
matter scenarios. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 749,
pp. 44-49., Registrované v: WOS

22. [1.1] KIM, Jong Soo - KRAUSS, Manuel E. - LOZANO, Victor
Martin. Probing the electroweakino sector of general gauge mediation at the
LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 150-157.,
Registrované v: WOS

23. [1.1] LU, Bo-Qiang - ZONG, Hong-Shi. Limits on dark matter from
AMS-02 antiproton and positron fraction data. In PHYSICAL REVIEW D. ISSN

2470-0010, 2016, vol. 93, no. 10, art. no. 103517., Registrované v: WOS
 24. [1.1] ROSZKOWSKI, Leszek - SESSOLO, Enrico Maria -
 TROJANOWSKI, Sebastian. WIMP dark matter candidates and searches-current
 status and future prospects. In REPORTS ON PROGRESS IN PHYSICS. ISSN
 0034-4885, 2018, vol. 81, no. 6, art. no. 066201., Registrované v: WOS
 25. [1.1] XIANG, Qian-Fei - BI, Xiao-Jun - YIN, Peng-Fei - YU,
 Zhao-H. Uan. Searches for dark matter signals in simplified models at future
 hadron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91,
 no. 9, art. no. 095020., Registrované v: WOS

ADCA976 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. -
BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for new
 phenomena in events with a photon and missing transverse momentum in pp
 collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Journal of High Energy
 Physics*, 2016, vol. 2016, no. 6, art. no. 059. (2015: 6.023 - IF, Q1 - JCR, 1.343 -
 SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS,
 SCOPUS). ISSN 1029-8479. Dostupné na:
[https://doi.org/10.1007/JHEP06\(2016\)059](https://doi.org/10.1007/JHEP06(2016)059)

Ohlasy:

1. [1.1] ARCADI, Giorgio - GHOSH, Pradipta - MAMBRINI, Yann -
 PIERRE, Mathias - QUEIROZ, Farinaldo S. Z 'portal to Chern-Simons Dark
 Matter. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS.
 ISSN 1475-7516, 2017, no. 11, art. no. 020., Registrované v: WOS
2. [1.1] ASTASHENKOV, M. O. - KISSELEV, A. Bound on a diffuse
 flux of ultrahigh energy neutrinos in the Arkani-Hamed-Dimopoulos-Dvali
 model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 12, art.
 no. 123009., Registrované v: WOS
3. [1.1] BARMAN, B. - BHATTACHARYA, S. - GRZADKOWSKI, B.
 Feebly coupled vector boson dark matter in effective theory. In JOURNAL OF
 HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 23 2020, no. 12.,
 Registrované v: WOS
4. [1.1] BELL, Nicole F. - CAI, Yi - DENT, James B. - LEANE,
 Rebecca K. - WEILER, Thomas J. Enhancing dark matter annihilation rates with
 dark bremsstrahlung. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol.
 96, no. 2, art. no. 023011., Registrované v: WOS
5. [1.1] BELYAEV, Alexander S. - FLACKE, Thomas - JAIN, Bithika -
 SCHAEFERS, Patrick B. LHC dark matter signals from vector resonances and
 top partners. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3,
 art. no. 035019., Registrované v: WOS
6. [1.1] BERNAL, Nicolas - HEIKINHEIMO, Matti - TENKANEN,
 Tommi - TUOMINEN, Kimmo - VASKONEN, Ville. The dawn of FIMP Dark
 Matter: A review of models and constraints. In INTERNATIONAL JOURNAL
 OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 27, art. no.
 1730023., Registrované v: WOS
7. [1.1] DERCKS, Daniel - DESAI, Nishita - KIM, Jong Soo -
 ROLBIECKI, Krzysztof - TATTERSALL, Jamie - WEBER, Torsten.
 CheckMATE 2: From the model to the limit. In COMPUTER PHYSICS
 COMMUNICATIONS. ISSN 0010-4655, 2017, vol. 221, pp. 383-418.,
 Registrované v: WOS
8. [1.1] DERCKS, D. - ROBENS, T. Constraining the Inert Doublet

- Model using Vector Boson Fusion. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
9. [1.1] ELLIS, John - FOWLIE, Andrew - MARZOLA, Luca - RAIDAL, Martti. Statistical analyses of Higgs- and Z-portal dark matter models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115014., Registrované v: WOS
10. [1.1] ESCUDERO, Miguel - HOOPER, Dan - WITTE, Samuel J. Updated collider and direct detection constraints on Dark Matter models for the Galactic Center gamma-ray excess. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2017, no. 2, art. no. 038., Registrované v: WOS
11. [1.1] GHOSH, Pradipta - LARA, Inaki - LOPEZ-FOGLIANI, Daniel E. - MUNOZ, Carlos - DE AUSTRI, Roberto Ruiz. Searching for left sneutrino LSP at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 18-19, art. no. 1850110., Registrované v: WOS
12. [1.1] CHO, G.C. - YAMASHITA, K. - YONEMURA, M. Search for vector-mediated dark matter at the LHC with forward proton tagging. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 18 2020, vol. 101, no. 3., Registrované v: WOS
13. [1.1] KAHLHOEFER, Felix. Review of LHC dark matter searches. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 13, art. no. 1730006., Registrované v: WOS
14. [1.1] KIM, Jong Soo - KRAUSS, Manuel E. - LOZANO, Victor Martin. Probing the electroweakino sector of general gauge mediation at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 150-157., Registrované v: WOS
15. [1.1] KRAML, Sabine - LAA, Ursula - MAWATARI, Kentarou - YAMASHITA, Kimiko. Simplified dark matter models with a spin-2 mediator at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 5, art. no. 326., Registrované v: WOS
16. [1.1] MORGANTE, Enrico. Dark Matter Searches at the LHC. In ASPECTS OF WIMP DARK MATTER SEARCHES AT COLLIDERS AND OTHER PROBES. ISSN 2190-5053, 2017, pp. 85-96., Registrované v: WOS

ADCA977 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for new phenomena in events with at least three photons collected in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *European Physical Journal C*, 2016, vol. 76, no. 4, art. no. 210. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4034-8>

Ohlasy:

1. [1.1] ALANNE, T. - ARCADI, G. - GOERTZ, F. - TENORTH, V. - VOGL, S. Model-independent constraints with extended dark matter EFT. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 27 2020, no. 10., Registrované v: WOS
2. [1.1] ALLANACH, B. C. - BHATIA, D. - IYER, Abhishek M. Dissecting multi-photon resonances at the large hadron collider. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 595.,

Registrované v: WOS

3. [1.1] ALVES, A. - DIAS, A.G. - LOPES, D.D. Probing ALP-sterile neutrino couplings at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 18 2020, no. 8., Registrované v: WOS
4. [1.1] ARCADI, G. - DJOUADI, A. - RAIDAL, M. Dark Matter through the Higgs portal. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, FEB 3 2020, vol. 842, p. 1-180., Registrované v: WOS
5. [1.1] ARHRIB, A. - BENBRIK, R. - HAROUIZ, H. - MORETTI, S. - ROUCHAD, A. A Guidebook to Hunting Charged Higgs Bosons at the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, MAR 10 2020, vol. 8., Registrované v: WOS
6. [1.1] BAGNASCHI, E. - BAHL, H. - FUCHS, E. - HAHN, T. - HEINEMEYER, S. - LIEBLER, S. - PATEL, S. - SLAVICH, P. - STEFANIAK, T. - WAGNER, C.E.M. - WEIGLEIN, G. MSSM Higgs boson searches at the LHC: benchmark scenarios for Run 2 and beyond. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 20 2019, vol. 79, no. 7., Registrované v: WOS
7. [1.1] BARDUCCI, Daniele - DE CURTIS, Stefania - REDI, Michele - TESI, Andrea. An almost elementary Higgs: theory and practice. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 017., Registrované v: WOS
8. [1.1] BAUER, Martin - NEUBERT, Matthias - THAMM, Andrea. LHC as an Axion Factory: Probing an Axion Explanation for $(g-2)_{\mu}$ with Exotic Higgs Decays. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 3, art. no. 031802., Registrované v: WOS
9. [1.1] BAUER, M. - HEILES, M. - NEUBERT, M. - THAMM, A. Axion-like particles at future colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 28 2019, vol. 79, no. 1., Registrované v: WOS
10. [1.1] DANIELSSON, Ulf - ENBERG, Rikard - INGELMAN, Gunnar - MANDAL, Tanumoy. Heavy photophilic scalar at the LHC from a varying electromagnetic coupling. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 919, pp. 569-582., Registrované v: WOS
11. [1.1] DAS, S.P. - FRAGA, J.F. - AVILA, C. Production of a light top-squark pair in association with a light non-SM Higgs boson within the NMSSM from proton-proton collisions at $\sqrt{s}=13$ TeV and 33 TeV. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, AUG 10 2019, vol. 34, no. 22., Registrované v: WOS
12. [1.1] DEV, P.S.B. - FERRER, F. - ZHANG, Y.Y. - ZHANG, Y.C. Gravitational waves from first-order phase transition in a simple axion-like particle model. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, NOV 2019, no. 11., Registrované v: WOS
13. [1.1] DOBRESCU, Bogdan A. - FOX, Patrick J. - KEARNEY, John. Higgs-photon resonances. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 10, art. no. 704., Registrované v: WOS
14. [1.1] GIUDICE, Gian F. - KATS, Yevgeny - MCCULLOUGH, Matthew - TORRE, Riccardo - URBANO, Alfredo. Clockwork/linear dilaton: structure and phenomenology. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 009., Registrované v: WOS
15. [1.1] GUCHAIT, Monoranjan - KUMAR, Jacky. Diphoton signal of a

light pseudoscalar in the NMSSM at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035036., Registrované v: WOS

16. [1.1] HOOK, A. - KUMAR, S. - LIU, Z. - SUNDRUM, R. High Quality QCD Axion and the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, JUN 1 2020, vol. 124, no. 22., Registrované v: WOS

17. [1.1] CHAUDHRY, H.A. - CZAKON, M. - MITOV, A. - PONCELET, R. NNLO QCD corrections to three-photon production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 10 2020, no. 2., Registrované v: WOS

18. [1.1] IZAGUIRRE, Eder - LIN, Tongyan - SHUVE, Brian. Searching for Axionlike Particles in Flavor-Changing Neutral Current Processes. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 118, no. 11, art. no. 111802., Registrované v: WOS

19. [1.1] KNAPEN, Simon - LIN, Tongyan - LOU, Hou Keong - MELIA, Tom. Searching for Axionlike Particles with Ultraperipheral Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 118, no. 17, art. no. 171801., Registrované v: WOS

20. [1.1] STEGGEMANN, J. Extended Scalar Sectors. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 197-223., Registrované v: WOS

21. [1.1] VIDAL, X.C. - MARIOTTI, A. - REDIGOLO, D. - SALA, F. - TOBIOKA, K. New axion searches at flavor factories. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 14 2019, no. 1., Registrované v: WOS

ADCA978 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for new phenomena in events with three or more charged leptons in pp collisions at TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2015, vol. 2015, no. 8, art. no. 138. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479.

Ohlasy:

1. [1.1] AGRAWAL, Prateek - CHACKO, Zackaria - FORTES, Elaine C. F. S. - KILIC, Can. Skew-flavored dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 10, art. no. 103510., Registrované v: WOS
2. [1.1] BERNAL, Nicolas - FONG, Chee Sheng - TONERO, Alberto. Sharing but not caring: collider phenomenology. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 037., Registrované v: WOS
3. [1.1] DERCKS, Daniel - DREINER, Herbi - KRAUSS, Manuel E. - OPFERKUCH, Toby - REINERT, Annika. R-parity violation at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 856., Registrované v: WOS
4. [1.1] HAMADA, Yuta - KAWAI, Hikaru - KAWANA, Kiyoharu - TSUMURA, Koji. Models of the LHC diphoton excesses valid up to the Planck scale. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 014007., Registrované v: WOS
5. [1.1] KUMAR, Nilanjana - MARTIN, Stephen P. Vectorlike leptons at the Large Hadron Collider. In PHYSICAL REVIEW D. ISSN 1550-7998,

2015, vol. 92, no. 11, art. no. 115018., Registrované v: WOS

6. [1.1] LINDNER, Manfred - PLATSCHER, Moritz - QUEIROZ, Farinaldo S. A call for new physics: The muon anomalous magnetic moment and lepton flavor violation. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2018, vol. 731, pp. 1-82., Registrované v: WOS

7. [1.1] OZANSOY, A. - ARI, V. - CETINKAYA, V. Search for Excited Spin-3/2 Neutrinos at LHeC. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 1739027., Registrované v: WOS

ADCA979 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for new phenomena in events with three charged leptons at root s=7 TeV with the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2013, vol. 87, no. 5, art. no. 052002. (2012: 4.691 - IF, Q1 - JCR, 2.725 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Ohlasy:

1. [1.1] ALCAIDE, J. - MILEO, N.I. LHC sensitivity to singly charged scalars decaying into electrons and muons. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 23 2020, vol. 102, no. 7., Registrované v: WOS

2. [1.1] AYAZI, S.Y. - MOHAMADNEJAD, A. DAMPE excess from leptophilic vector dark matter: a model-independent approach. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, SEP 2020, vol. 47, no. 9., Registrované v: WOS

3. [1.1] CHIANG, Cheng-Wei - KANEMURA, Shinya - YAGYU, Kei. Phenomenology of the Georgi-Machacek model at future electron-positron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055002., Registrované v: WOS

ADCA980 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABELOOS, B. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for new phenomena in final states with large jet multiplicities and missing transverse momentum with ATLAS using root s=13 TeV proton-proton collisions. In *Physics Letters B*, 2016, vol. 757, p. 334-355. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2016.04.005>

Ohlasy:

1. [1.1] BUCKLEY, Matthew R. - FELD, David - MACALUSO, Sebastian - MONTEUX, Angelo - SHIH, David. Cornering natural SUSY at LHC Run II and beyond. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 115., Registrované v: WOS

2. [1.1] COHEN, Timothy - DOLAN, Matthew J. - EL HEDRI, Sonia - HIRSCHAUER, James - NHAN TRAN - WHITBECK, Andrew. Dissecting jets and missing energy searches using n-body extended simplified models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 8, art. no. 038., Registrované v: WOS

3. [1.1] DAS, Dipankar - LOPEZ-IBANEZ, M. L. - JAY PEREZ, M. - VIVES, Oscar. Effective theories of flavor and the nonuniversal MSSM. In

PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035001.,
Registrované v: WOS

4. [1.1] FUKS, Benjamin - KLASSEN, Michael - ROTHERING, Marcel.
Soft gluon resummation for associated gluino-gaugino production at the LHC. In
JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art.
no. 053., Registrované v: WOS

5. [1.1] CHOUDHURY, Arghya - MONDAL, Subhadeep. Revisiting
the exclusion limits from direct chargino-neutralino production at the LHC. In
PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055024.,
Registrované v: WOS

6. [1.1] IERUSHALMI, N. - IWAMOTO, S. - LEE, G. -
NEPOMNYASHY, V. - SHADMI, Y. LHC benchmarks from flavored gauge
mediation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479,
2016, no. 7, art. no. 058., Registrované v: WOS

7. [1.1] SAKAKI, Y. Quark jet rates and quark-gluon discrimination in
multijet final states. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 18 2019,
vol. 99, no. 11., Registrované v: WOS

ADCA981 AAD, G. - ABAJYAN, T. - ABBOTT, B. - ABDALLAH, J. - ABDEL
KHALEK, S. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard -
STRÍŽENEC, Pavol. Search for new phenomena in final states with large jet
multiplicities and missing transverse momentum at root s=8 TeV proton-proton
collisions using the ATLAS experiment. In *Journal of High Energy Physics*, 2013,
no. 10, art. no. 130. (2012: 5.618 - IF, 1.475 - SJR, Q1 - SJR, Current Contents -
CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na:
[https://doi.org/10.1007/JHEP10\(2013\)130](https://doi.org/10.1007/JHEP10(2013)130)

Ohlasy:

1. [1.1] AMBROGI, Federico - KRAML, Sabine - KULKARNI, Suchita
- LAA, Ursula - LESSA, Andre - WALTENBERGER, Wolfgang. On the
coverage of the pMSSM by simplified model results. In EUROPEAN
PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 215.,
Registrované v: WOS

2. [1.1] AMBROGI, Federico - KRAML, Sabine - KULKARNI, Suchita
- LAA, Ursula - LESSA, Andre - MAGERL, Veronika - SONNEVELD, Jory -
TRAUB, Michael - WALTENBERGER, Wolfgang. SModelS v1.1 user manual:
Improving simplified model constraints with efficiency maps. In COMPUTER
PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 227, pp. 72-98.,
Registrované v: WOS

3. [1.1] ARHRIB, A. - BENBRIK, R. - HAROUIZ, H. - MORETTI, S. -
ROUCHAD, A. A Guidebook to Hunting Charged Higgs Bosons at the LHC. In
FRONTIERS IN PHYSICS. ISSN 2296-424X, MAR 10 2020, vol. 8.,
Registrované v: WOS

4. [1.1] BEURIA, Jyotiranjana - DATA, Asesh Krishna - DEBNATH,
Dipsikha - MATCHEV, Konstantin T. LHC collider phenomenology of minimal
universal extra dimensions. In COMPUTER PHYSICS COMMUNICATIONS.
ISSN 0010-4655, 2018, vol. 226, pp. 187-205., Registrované v: WOS

5. [1.1] DERCKX, Daniel - DREINER, Herbi - KRAUSS, Manuel E. -
OPFERKUCH, Toby - REINERT, Annika. R-parity violation at the LHC. In
EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12,
art. no. 856, Registrované v: WOS

6. [1.1] DERCKS, Daniel - MOORTGAT-PICK, Gudrid - REUTER, Juergen - SHIM, So Young. The fate of the littlest Higgs model with T-parity under 13 TeV LHC data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 049., Registrované v: WOS
7. [1.1] KOBAKHIDZE, Archil - TALIA, Matthew - WU, Lei. Probing the MSSM explanation of the muon g-2 anomaly in dark matter experiments and at a 100 TeV pp collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055023., Registrované v: WOS

ADCA982 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at root s=8 TeV with the ATLAS detector. In *European Physical Journal C*, 2015, vol. 75, no. 7, art. no. 299. (2014: 5.084 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-015-3517-3>

Ohlasy:

1. [1.1] AGRAWAL, Prateek - CHACKO, Zackaria - FORTES, Elaine C. F. S. - KILIC, Can. Skew-flavored dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 10, art. no. 103510., Registrované v: WOS
2. [1.1] ALTMANNSHOFER, W. - TAMMARO, M. - ZUPAN, J. Non-standard neutrino interactions and low energy experiments. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 11 2019, no. 9., Registrované v: WOS
3. [1.1] AMBROGI, Federico - KRAML, Sabine - KULKARNI, Suchita - LAA, Ursula - LESSA, Andre - WALTENBERGER, Wolfgang. On the coverage of the pMSSM by simplified model results. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 215., Registrované v: WOS
4. [1.1] ARBEY, A. - BOUDAUD, M. - MAHMOUDI, F. - ROBBINS, G. Robustness of dark matter constraints and interplay with collider searches for New Physics. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 11, art. no. 132., Registrované v: WOS
5. [1.1] ARIAS-ARAGON, F. - MERLO, L. The minimal flavour violating axion. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 10, art. no. 168., Registrované v: WOS
6. [1.1] ARUN, Mathew Thomas - CHOUDHURY, Debajyoti - SACHDEVA, Divya. Universal extra dimensions and the graviton portal to dark matter. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2017, no. 10, art. no. 041., Registrované v: WOS
7. [1.1] BARDUCCI, D. - BELANGER, G. - BERNON, J. - BOUDJEMA, F. - DA SILVA, J. - KRAML, S. - LAA, U. - PUKHOV, A. Collider limits on new physics within micrOMEGAs_4.3. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 222, pp. 327-338., Registrované v: WOS
8. [1.1] BASIRNIA, Aria - MACALUSO, Sebastian - SHIH, David. Dark matter and the Higgs in natural SUSY. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 073., Registrované v: WOS
9. [1.1] BECKER, Mathias - PAES, Heinrich. Leptonic flavor structure

in the brane shifted extra dimensional seesaw mechanism. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 273., Registrované v: WOS

10. [1.1] BELANGER, Genevieve - DELAUNAY, Cedric - WESTHOFF, Susanne. Dark matter relic from muon anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 5, art. no. 055021., Registrované v: WOS

11. [1.1] BELL, Nicole F. - BUSONI, Giorgio - SANDERSON, Isaac W. Two Higgs doublet dark matter portal. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 1, art. no. 015., Registrované v: WOS

12. [1.1] BELYAEV, Alexander - PANIZZI, Luca - PUKHOV, Alexander - THOMAS, Marc. Dark Matter characterization at the LHC in the Effective Field Theory approach. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, art. no. 110., Registrované v: WOS

13. [1.1] BELYAEV, Alexander - CACCIAPAGLIA, Giacomo - CAI, Haiying - FERRETTI, Gabriele - FLACKE, Thomas - PAROLINI, Alberto - SERODIO, Hugo. Di-boson signatures as standard candles for partial compositeness. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 1, art. no. 094., Registrované v: WOS

14. [1.1] BELYAEV, Alexander - CACCIAPAGLIA, Giacomo - IVANOV, Igor P. - ROJAS-ABATTE, Felipe - THOMAS, Marc. Anatomy of the inert two-Higgs-doublet model in the light of the LHC and non-LHC dark matter searches. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 035011., Registrované v: WOS

15. [1.1] BERTUZZO, Enrico - CANIU BARROS, Cristian J. - DI CORTONA, Giovanni Grilli. MeV dark matter: model independent bounds. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 9, art. no. 116., Registrované v: WOS

16. [1.1] BEURIA, Jyotiranjana - DATA, Asesh Krishna - DEBNATH, Dipsikha - MATCHEV, Konstantin T. LHC collider phenomenology of minimal universal extra dimensions. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 226, pp. 187-205., Registrované v: WOS

17. [1.1] BLINOV, Nikita - KOZACZUK, Jonathan - MORRISSEY, David E. - DE LA PUENTE, Alejandro. Compressing the inert doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 035020., Registrované v: WOS

18. [1.1] BUEN-ABAD, Manuel A. - MARQUES-TAVARES, Gustavo - SCHMALTZ, Martin. Non-Abelian dark matter and dark radiation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 2, art. no. 023531., Registrované v: WOS

19. [1.1] CAO, Junjie - GUO, Xiaofei - HE, Yangle - SHANG, Liangliang - YUE, Yuanfang. Sneutrino DM in the NMSSM with inverse seesaw mechanism. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 10, art. no. 044., Registrované v: WOS

20. [1.1] CARPENTER, Linda M. - COLBURN, Russell - GOODMAN, Jessica. Indirect detection constraints on the model space of dark matter effective theories. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095011., Registrované v: WOS

21. [1.1] CARPENTER, Linda M. - COLBURN, Russell - GOODMAN,

- Jessica - LINDEN, Tim. Indirect detection constraints on s- and t-channel simplified models of dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055027., Registrované v: WOS
22. [1.1] COHEN, Timothy - LISANTI, Mariangela - LOU, Hou Keong - MISHRA-SHARMA, Siddharth. LHC searches for dark sector showers. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 11, art. no. 196., Registrované v: WOS
23. [1.1] DAS, D. Dominant production of heavier Higgs bosons through vector boson fusion in the NMSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 24 2019, vol. 99, no. 9., Registrované v: WOS
24. [1.1] DENT, James B. - KRAUSS, Lawrence M. - NEWSTEAD, Jayden L. - SABHARWAL, Subir. General analysis of direct dark matter detection: From microphysics to observational signatures. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 6, art. no. 063515., Registrované v: WOS
25. [1.1] DEPPISCH, Frank F. - HATI, Chandan - PATRA, Sudhanwa - PRITIMITA, Prativa - SARKAR, Utpal. Implications of the diphoton excess on left-right models and gauge unification. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 757, pp. 223-230., Registrované v: WOS
26. [1.1] DERCKS, Daniel - MOORTGAT-PICK, Gudrid - REUTER, Juergen - SHIM, So Young. The fate of the littlest Higgs model with T-parity under 13 TeV LHC data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 049., Registrované v: WOS
27. [1.1] DEV, P. S. Bhupal - TERESI, Daniele. Asymmetric dark matter in the Sun and diphoton excess at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 2, art. no. 025001., Registrované v: WOS
28. [1.1] DEV, P. S. Bhupal - MOHAPATRA, Rabindra N. - ZHANG, Yongchao. Leptogenesis constraints on B L breaking Higgs boson in TeV scale seesaw models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 122., Registrované v: WOS
29. [1.1] DREYER, F.A. - KARLBERG, A. Fully differential vector-boson fusion Higgs pair production at next-to-next-to-leading order. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 29 2019, vol. 99, no. 7., Registrované v: WOS
30. [1.1] DUTTA, Juhi - KONAR, Partha - MONDAL, Subhadeep - MUKHOPADHYAYA, Biswarup - RAI, Santosh Kumar. Search for a compressed supersymmetric spectrum with a light gravitino. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 9, art. no. 026., Registrované v: WOS
31. [1.1] ELLIS, John - FOWLIE, Andrew - MARZOLA, Luca - RAIDAL, Martti. Statistical analyses of Higgs- and Z-portal dark matter models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115014., Registrované v: WOS
32. [1.1] ESSIG, Rouven - MEADE, Patrick - RAMANI, Harikrishnan - ZHONG, Yi-Ming. Higgs-precision constraints on colored naturalness. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 9, art. no. 085., Registrované v: WOS
33. [1.1] FERNANDEZ, Nicolas - SEONG, Ilsoo - STENGEL, Patrick. Constraints on light dark matter from single-photon decays of heavy quarkonium. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no.

054023., Registrované v: WOS

34. [1.1] FLOREZ, Andres - BRAVO, Luis - GURROLA, Alfredo - AVILA, Carlos - SEGURA, Manuel - SHELDON, Paul - JOHNS, Will. Probing the stau-neutralino coannihilation region at the LHC with a soft tau lepton and a jet from initial state radiation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 073007., Registrované v: WOS

35. [1.1] FLOREZ, A. - GURROLA, A. - JOHNS, W. - MARURI, J. - SHELDON, P. - SINHA, K. - STARKO, S.R. Anapole dark matter via vector boson fusion processes at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 29 2019, vol. 100, no. 1., Registrované v: WOS

36. [1.1] GE, Shao-Feng - HE, Hong-Jian - REN, Jing - XIANYU, Zhong-Zhi. Realizing dark matter and Higgs inflation in light of LHC diphoton excess. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 757, pp. 480-492., Registrované v: WOS

37. [1.1] HAISCH, Ulrich - KAHLHOEFER, Felix - TAIT, Tim M. P. On mono-W signatures in spin-1 simplified models. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 760, pp. 207-213., Registrované v: WOS

38. [1.1] HAMAGUCHI, Koichi - LIEW, Seng Pei. Models of a 750 GeV quarkonium and the LHC excesses. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035012., Registrované v: WOS

39. [1.1] HEBECKER, A. - SKRZYPEK, T. - WITTNER, M. The F-term problem and other challenges of stringy quintessence. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 25 2019, no. 11., Registrované v: WOS

40. [1.1] HEISIG, Jan - KERSTEN, Jorn - MURPHY, Nick - STRUMKE, Inga. Trilinear-augmented gaugino mediation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 5, art. no. 003., Registrované v: WOS

41. [1.1] HEISIG, Jan - KRAEMER, Michael - PELLEN, Mathieu - WIEBUSCH, Christopher. Constraints on Majorana dark matter from the LHC and IceCube. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055029., Registrované v: WOS

42. [1.1] HELENE, Otaviano - MARIANO, Leandro - GUIMARAES-FILHO, Zwinglio. Useful and little-known applications of the Least Square Method and some consequences of covariances. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2016, vol. 833, pp. 82-87., Registrované v: WOS

43. [1.1] CHAKRABORTI, Manimala - CHATTOPADHYAY, Utpal - PODDAR, Sujoy. How light a higgsino or a wino dark matter can become in a compressed scenario of MSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 9, art. no. 064., Registrované v: WOS

44. [1.1] CHAKRABORTY, Amit - CHAKRABORTY, Sabyasachi - ROY, Tuhin S. Chasing new physics in stacks of soft tracks. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 111703., Registrované v: WOS

45. [1.1] CHATTERJEE, Arindam - DUTTA, Juhi - RAI, Santosh Kumar. Natural SUSY at LHC with right-sneutrino LSP. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 042.,

Registrované v: WOS

46. [1.1] CHEUNG, Kingman - KO, P. - LEE, Jae Sik - PARK, Jubin - TSENG, Po-Yan. Higgs precision study of the 750 GeV diphoton resonance and the 125 GeV standard model Higgs boson with Higgs-singlet mixing. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 033010., Registrované v: WOS

47. [1.1] CHOQUETTE, Jeremie - CLINE, James M. - CORNELL, Jonathan M. p-wave annihilating dark matter from a decaying predecessor and the Galactic Center excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015018., Registrované v: WOS

48. [1.1] CHOUDHURY, Debajyoti - GHOSH, Kirtiman. Bounds on universal extra dimension from LHC run I and II data. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 763, pp. 155-160., Registrované v: WOS

49. [1.1] IZAGUIRRE, Eder - KRNJAIC, Gordan - SHUVE, Brian. Discovering inelastic thermal relic dark matter at colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 6, art. no. 063523., Registrované v: WOS

50. [1.1] JUBB, Thomas - KIRK, Matthew - LENZ, Alexander. Charming dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 12, art. no. 010., Registrované v: WOS

51. [1.1] KAWAMURA, Junichiro - OMURA, Yuji. Diphoton excess at 750 GeV and LHC constraints in models with vectorlike particles. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115011., Registrované v: WOS

52. [1.1] KHOZE, Valentin V. - RO, Gunnar - SPANNOVSKY, Michael. Spectroscopy of scalar mediators to dark matter at the LHC and at 100 TeV. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 075006., Registrované v: WOS

53. [1.1] KIM, J. S. - ROLBIECKI, K. - RUIZ, R. - TATTERSALL, J. - WEBER, T. Prospects for natural SUSY. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 095013., Registrované v: WOS

54. [1.1] KNAPEN, Simon - REDIGOLO, Diego. Gauge mediation at the LHC: status and prospects. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 1, art. no. 135., Registrované v: WOS

55. [1.1] KO, Pyungwon. Particle, Astroparticle Physics and Cosmology in Dark Matter Models with Dark Gauge Symmetries. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2018, vol. 73, no. 4, pp. 449-465., Registrované v: WOS

56. [1.1] KO, P. - NATALE, Alexander - PARK, Myeonghun - YOKOYA, Hiroshi. Simplified DM models with the full SM gauge symmetry: the case of t-channel colored scalar mediators. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 1, art. no. 086., Registrované v: WOS

57. [1.1] KUMAR, Jason - MARFATIA, Danny - YAYLALI, David. Vector dark matter at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095027., Registrované v: WOS

58. [1.1] LEE, Samuel K. - LISANTI, Mariangela - MISHRA-SHARMA, Siddharth - SAFDI, Benjamin R. Modulation effects in dark matter-electron scattering experiments. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 8, art. no. 083517., Registrované v: WOS

59. [1.1] LIEW, Seng Pei - PAPUCCI, Michele - VICHI, Alessandro - ZUREK, Kathryu M. Mono-X versus direct searches: simplified models for dark matter at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 6, art. no. 082., Registrované v: WOS
60. [1.1] MANDAL, Rusa. Fermionic dark matter in leptoquark portal. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 726., Registrované v: WOS
61. [1.1] MERLO, L. - POBBE, F. - RIGOLIN, S. The minimal axion minimal linear sigma model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 5, art. no. 415., Registrované v: WOS
62. [1.1] NO, Jose Miguel. Looking through the pseudoscalar portal into dark matter: Novel mono-Higgs and mono-Z signatures at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 031701., Registrované v: WOS
63. [1.1] PANDEY, S. - KARMAKAR, S. - RAKSHIT, S. Strong constraints on non-standard neutrino interactions: LHC vs. IceCube. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 8 2019, no. 11., Registrované v: WOS
64. [1.1] PARK, Jong-Chul - PARK, Seong Chan. Indirect signature of dark matter with the diphoton resonance at 750 GeV. In PHYSICS OF THE DARK UNIVERSE. ISSN 2212-6864, 2016, vol. 14, pp. 4-10., Registrované v: WOS
65. [1.1] PETERSSON, Christoffer - TORRE, Riccardo. 750 GeV Diphoton Excess from the Goldstino Superpartner. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 15, art. no. 151804., Registrované v: WOS
66. [1.1] ROSZKOWSKI, Leszek - TROJANOWSKI, Sebastian - TURZYNSKI, Krzysztof. Towards understanding thermal history of the Universe through direct and indirect detection of dark matter. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2017, no. 10, art. no. 005., Registrované v: WOS
67. [1.1] ROSZKOWSKI, Leszek - SESSOLO, Enrico Maria - TROJANOWSKI, Sebastian. WIMP dark matter candidates and searches-current status and future prospects. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2018, vol. 81, no. 6, art. no. 066201., Registrované v: WOS
68. [1.1] YU, Chaehyun - YUAN, Tzu-Chiang. Dark matter production associated with a heavy quarkonium at B factories. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 755, pp. 125-131., Registrované v: WOS
69. [1.1] ZALEWSKI, Piotr. SEARCHES FOR PHYSICS/PARTICLES BEYOND THE STANDARD MODEL AT THE LHC. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2015, vol. 46, no. 11, pp. 2155-2163., Registrované v: WOS

ADCA983 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. In *Physical Review D*, 2016, vol. 94, no. 3, art. no. 032005. (2015: 4.506 - IF, Q2 - JCR, 2.236 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents,

WOS, SCOPUS). ISSN 1550-7998. Dostupné na:
<https://doi.org/10.1103/PhysRevD.94.032005>

Ohlasy:

1. [1.1] AEBISCHER, Jason - CRIVELLIN, Andreas - GREUB, Christoph - YAMADA, Youichi. The MSSM without gluinos; an effective field theory for the stop sector. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 11, art. no. 740., Registrované v: WOS
2. [1.1] ALVARADO, Carlos - ELAHI, Fatemeh - RAJ, Nirmal. Thermal dark matter via the flavon portal. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075002., Registrované v: WOS
3. [1.1] ARBEY, A. - BOUDAUD, M. - MAHMOUDI, F. - ROBBINS, G. Robustness of dark matter constraints and interplay with collider searches for New Physics. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 11, art. no. 132., Registrované v: WOS
4. [1.1] ARCADI, Giorgio - DUTRA, Maira - GHOSH, Pradipta - LINDNER, Manfred - MAMBRINI, Yann - PIERRE, Mathias - PROFUMO, Stefano - QUEIROZ, Farinaldo S. The waning of the WIMP? A review of models, searches, and constraints. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 203., Registrované v: WOS
5. [1.1] ARINA, Chiara. Impact of Cosmological and Astrophysical Constraints on Dark Matter Simplified Models. In FRONTIERS IN ASTRONOMY AND SPACE SCIENCES. ISSN 2296-987X, 2018, vol. 5, art. no. 30., Registrované v: WOS
6. [1.1] ASTASHENKOV, M. O. - KISSELEV, A. Bound on a diffuse flux of ultrahigh energy neutrinos in the Arkani-Hamed-Dimopoulos-Dvali model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 12, art. no. 123009., Registrované v: WOS
7. [1.1] AVILA, I.M. - DE ROMERI, V. - DUARTE, L. - VALLE, J.W.F. Phenomenology of scotogenic scalar dark matter. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 1 2020, vol. 80, no. 10., Registrované v: WOS
8. [1.1] BAEK, Seungwon - KO, P. - LI, Jinmian. Minimal renormalizable simplified dark matter model with a pseudoscalar mediator. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075011., Registrované v: WOS
9. [1.1] BAER, Howard - BARGER, Vernon - NAGATA, Natsumi - MICHAEL, Savoy. Phenomenological profile of top squarks from natural supersymmetry at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055012., Registrované v: WOS
10. [1.1] BAE, K.J. - PARK, M. - ZHANG, M.C. Demystifying freeze-in dark matter at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 29 2020, vol. 101, no. 11., Registrované v: WOS
11. [1.1] BAGNASCHI, E. - COSTA, J. C. - SAKURAI, K. - BORSATO, M. - BUCHMUELLER, O. - CAVANAUGH, R. - CHOBANOVA, V. - CITRON, M. - DE ROECK, A. - DOLAN, M. J. - ELLIS, J. R. - FLACHER, H. - HEINEMEYER, S. - ISIDORI, G. - LUCIO, M. - MARTINEZ SANTOS, D. - OLIVE, K. A. - RICHARDS, A. - DE VRIES, K. J. - WEIGLEIN, G. Likelihood analysis of supersymmetric SU(5) GUTs. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 2, art. no. 104., Registrované v: WOS

12. [1.1] BAHRAMI, Sahar - FRANK, Mariana - GHOSH, Dilip Kumar - GHOSH, Nivedita - SAHA, Ipsita. Dark matter and collider studies in the left-right symmetric model with vectorlike leptons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095024., Registrované v: WOS
13. [1.1] BAKER, Michael J. - KOPP, Joachim. Dark Matter Decay between Phase Transitions at the Weak Scale. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 6, art. no. 061801., Registrované v: WOS
14. [1.1] BAKER, Michael J. - BREITBACH, Moritz - KOPP, Joachim - MITTNACHT, Lukas. Dynamic freeze-in: impact of thermal masses and cosmological phase transitions on dark matter production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 114., Registrované v: WOS
15. [1.1] BALDES, Iason - CIRELLI, Marco - PANCI, Paolo - PETRAKI, Kalliopi - SALA, Filippo - TAOSO, Marco. Asymmetric dark matter: residual annihilations and self-interactions. In SCIPOST PHYSICS. ISSN 2542-4653, 2018, vol. 4, no. 6, art. no. 041., Registrované v: WOS
16. [1.1] BARMAN, B. - BHATTACHARYA, S. - GRZADKOWSKI, B. Feebly coupled vector boson dark matter in effective theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 23 2020, no. 12., Registrované v: WOS
17. [1.1] BARMAN, Rahool Kumar - BELANGER, Genevieve - BHATTACHERJEE, Biplob - GODBOLE, Rohini - MENDIRATTA, Gaurav - SENGUPTA, Dipan. Invisible decay of the Higgs boson in the context of a thermal and nonthermal relic in MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095018., Registrované v: WOS
18. [1.1] BARMAN, R.K. - BHATTACHERJEE, B. - CHOUDHURY, A. - CHOWDHURY, D. - LAHIRI, J. - RAY, S. Current status of MSSM Higgs sector with LHC 13 TeV data. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, APR 2019, vol. 134, no. 4., Registrované v: WOS
19. [1.1] BAUER, Martin - BUTTER, Anja - DESAI, Nishita - GONZALEZ-FRAILE, J. - PLEHN, Tilman. Validity of dark matter effective theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075036., Registrované v: WOS
20. [1.1] BAUM, Sebastian - CATENA, Riccardo - CONRAD, Jan - FREESE, Katherine - KRAUSS, Martin B. Determining dark matter properties with a XENONnT/LZ signal and LHC Run 3 monojet searches. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 8, art. no. 083002., Registrované v: WOS
21. [1.1] BELLAZZINI, Brando - MARIOTTI, Alberto - REDIGOLO, Diego - SALA, Filippo - SERRA, Javi. R-Axion at Colliders. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 14, art. no. 141804., Registrované v: WOS
22. [1.1] BELL, Nicole F. - CAI, Yi - DENT, James B. - LEANE, Rebecca K. - WEILER, Thomas J. Enhancing dark matter annihilation rates with dark bremsstrahlung. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 2, art. no. 023011., Registrované v: WOS
23. [1.1] BELWAL, Swasti - DREES, Manuel - KIM, Jong Soo. Analysis of the bounds on dark matter models from monojet searches at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 055017.,

Registrované v: WOS

24. [1.1] BELYAEV, Alexander S. - THOMAS, Marc C. - SHAPIRO, Ilya L. Torsion as a dark matter candidate from the Higgs portal. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095033.,

Registrované v: WOS

25. [1.1] BELYAEV, Alexander S. - FLACKE, Thomas - JAIN, Bithika - SCHAEFERS, Patrick B. LHC dark matter signals from vector resonances and top partners. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035019., Registrované v: WOS

26. [1.1] BELYAEV, Alexander - CACCIAPAGLIA, Giacomo - CAI, Haiying - FERRETTI, Gabriele - FLACKE, Thomas - PAROLINI, Alberto - SERODIO, Hugo. Di-boson signatures as standard candles for partial compositeness. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 1, art. no. 094., Registrované v: WOS

27. [1.1] BELYAEV, A. - BERTUZZO, E. - BARROS, C.C. - EBOLI, O. - DI CORTONA, G.G. - IOCCO, F. - PUKHOV, A. Interplay of the LHC and non-LHC dark matter searches in the effective field theory approach. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 3 2019, vol. 99, no. 1., Registrované v: WOS

28. [1.1] BERTONE, Gianfranco - BOZORGNI, Nassim - KIM, Jong Soo - LIEM, Sebastian - MCCABE, Christopher - OTTEN, Sydney - RUIZ DE AUSTRI, Roberto. Identifying WIMP dark matter from particle and astroparticle data. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 3, art. no. 026., Registrované v: WOS

29. [1.1] CACCIAPAGLIA, G. - CONTE, E. - DEANDREA, A. - FUKS, B. - SHAO, H.S. LHC constraints and potential on resonant monotop production. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 25 2019, vol. 79, no. 2., Registrované v: WOS

30. [1.1] CURTIN, D. - SETFORD, J. Signatures of mirror stars. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 9 2020, no. 3., Registrované v: WOS

31. [1.1] DAS, Dipankar - LOPEZ-IBANEZ, M. L. - JAY PEREZ, M. - VIVES, Oscar. Effective theories of flavor and the nonuniversal MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035001., Registrované v: WOS

32. [1.1] DAS, Siba Prasad - NOWAKOWSKI, Marek. Light neutral CP-even Higgs boson within the next-to-minimal supersymmetric standard model at the Large Hadron Electron Collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 055014., Registrované v: WOS

33. [1.1] DAS, S.P. - FRAGA, J.F. - AVILA, C. Production of a light top-squark pair in association with a light non-SM Higgs boson within the NMSSM from proton-proton collisions at $\sqrt{s}=13$ TeV and 33 TeV. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, AUG 10 2019, vol. 34, no. 22., Registrované v: WOS

34. [1.1] DAVOLI, Alessandro - DE SIMONE, Andrea - JACQUES, Thomas - SANZ, Veronica. Displaced vertices from pseudo-Dirac dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 11, art. no. 025., Registrované v: WOS

35. [1.1] DAVOLI, Alessandro - DE SIMONE, Andrea - JACQUES, Thomas - MORANDINI, Alessandro. LHC phenomenology of dark matter with a

- color-octet partner. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 054., Registrované v: WOS
36. [1.1] DE LIMA, Danilo Ferreira - PETROV, Petar - SOPER, Davison - SPANNOVSKY, Michael. Quark-gluon tagging with shower deconstruction: Unearthing dark matter and Higgs couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034001., Registrované v: WOS
37. [1.1] DEPTA, P.F. - HUFNAGEL, M. - SCHMIDT-HOBERG, K. - WILD, S. BBN constraints on the annihilation of MeV-scale dark matter. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, APR 2019, no. 4., Registrované v: WOS
38. [1.1] DERCKES, Daniel - DESAI, Nishita - KIM, Jong Soo - ROLBIECKI, Krzysztof - TATTERSALL, Jamie - WEBER, Torsten. CheckMATE 2: From the model to the limit. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2017, vol. 221, pp. 383-418., Registrované v: WOS
39. [1.1] DERCKES, Daniel - MOORTGAT-PICK, Gudrid - REUTER, Juergen - SHIM, So Young. The fate of the littlest Higgs model with T-parity under 13 TeV LHC data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 049., Registrované v: WOS
40. [1.1] DERCKES, D. - ROBENS, T. Constraining the Inert Doublet Model using Vector Boson Fusion. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
41. [1.1] DEV, P. S. Bhupal - MOHAPATRA, Rabindra N. - ZHANG, Yongchao. Leptogenesis constraints on B L breaking Higgs boson in TeV scale seesaw models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 122., Registrované v: WOS
42. [1.1] DUAN, Guang Hua - HIKASA, Ken-ichi - WU, Lei - YANG, Jin Min - ZHANG, Mengchao. Leptonic mono-top from single stop production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 091., Registrované v: WOS
43. [1.1] DUARTE, L. - DIAS, M. - DE CAMPOS, F. A tutorial approach on mass dimension one fermions phenomenological analysis. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, SEP 2020, vol. 229, no. 11, SI, p. 2133-2146., Registrované v: WOS
44. [1.1] DUERR, Michael - GROHSJEAN, Alexander - KAHLHOEFER, Felix - PENNING, Bjoern - SCHMIDT-HOBERG, Kai - SCHWANENBERGER, Christian. Hunting the dark Higgs. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, art. no. 143., Registrované v: WOS
45. [1.1] ELANDER, Daniel - PIAI, Maurizio. Calculable mass hierarchies and a light dilaton from gravity duals. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 772, pp. 110-114., Registrované v: WOS
46. [1.1] ELLIS, John - FOWLIE, Andrew - MARZOLA, Luca - RAIDAL, Martti. Statistical analyses of Higgs- and Z-portal dark matter models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115014., Registrované v: WOS
47. [1.1] ENGLERT, Christoph - NORDSTROM, Karl - SPANNOVSKY, Michael. Towards resolving strongly-interacting dark sectors at colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055028., Registrované v: WOS

48. [1.1] ESCUDERO, Miguel - HOOPER, Dan - WITTE, Samuel J. Updated collider and direct detection constraints on Dark Matter models for the Galactic Center gamma-ray excess. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2017, no. 2, art. no. 038., Registrované v: WOS
49. [1.1] EVANS, Jared A. - GORI, Stefania - SHELTON, Jessie. Looking for the WIMP next door. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 100., Registrované v: WOS
50. [1.1] EVANS, J.A. - LUTY, M.A. Stopping quirks at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 18 2019, no. 6., Registrované v: WOS
51. [1.1] FARINA, Marco - LOW, Matthew. Constraining Quirky Tracks with Conventional Searches. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 11, art. no. 111801., Registrované v: WOS
52. [1.1] FUKS, B. Cornering top-philic dark matter with colliders and cosmology: the importance of QCD corrections. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2018). ISSN 1742-6588, 2019, vol. 1271., Registrované v: WOS
53. [1.1] GARNY, Mathias - HEISIG, Jan - LUELF, Benedikt - VOGL, Stefan. Coannihilation without chemical equilibrium. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 10, art. no. 103521., Registrované v: WOS
54. [1.1] GARNY, Mathias - HEISIG, Jan - HUFNAGEL, Marco - LUELF, Benedikt. Top-philic dark matter within and beyond the WIMP paradigm. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075002., Registrované v: WOS
55. [1.1] GHOSH, Pradipta - LARA, Inaki - LOPEZ-FOGLIANI, Daniel E. - MUNOZ, Carlos - DE AUSTRI, Roberto Ruiz. Searching for left sneutrino LSP at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 18-19, art. no. 1850110., Registrované v: WOS
56. [1.1] GONCALVES, Dorival - SAKURAI, Kazuki - TAKEUCHI, Michihisa. Monotop signature from the supersymmetric $t(t)\text{over-bar}H$ channel. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075009., Registrované v: WOS
57. [1.1] GONCALVES, Dorival - MACHADO, Pedro A. N. - NO, Jose Miguel. Simplified models for dark matter face their consistent completions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055027., Registrované v: WOS
58. [1.1] GONCALVES, Dorival - SAKURAI, Kazuki - TAKEUCHI, Michihisa. Tagging a monotop signature in natural SUSY. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015030., Registrované v: WOS
59. [1.1] GONCALVES, Dorival - KONG, Kyoungchul - SAKURAI, Kazuki - TAKEUCHI, Michihisa. Monotop signature from a fermionic top partner. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 015002., Registrované v: WOS
60. [1.1] HAN, H.Y. - WU, H.Y. - ZHENG, S.B. Effective field theory of the Majorana dark matter. In CHINESE PHYSICS C. ISSN 1674-1137, APR 2019, vol. 43, no. 4., Registrované v: WOS

61. [1.1] HAN, Chengcheng - REN, Jie - WU, Lei - YANG, Jin Min - ZHANG, Mengchao. Top-squark in natural SUSY under current LHC run-2 data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 2, art. no. 93., Registrované v: WOS
62. [1.1] HUANG, Peisi - JOGLEKAR, Aniket - LI, Min - WAGNER, Carlos E. M. Corrections to di-Higgs boson production with light stops and modified Higgs couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075001., Registrované v: WOS
63. [1.1] CHACKO, Zackaria - CURTIN, David - GELLER, Michael - TSAI, Yuhsin. Cosmological signatures of a mirror twin Higgs. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 163., Registrované v: WOS
64. [1.1] CHAO, Wei - GUO, Huai-Ke - ZHANG, Yongchao. Majorana dark matter with B plus L gauge symmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, art. no. 034., Registrované v: WOS
65. [1.1] CHATTERJEE, S. - DAS, A. - SAMUI, T. - SEN, M. Mixed WIMP-axion dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 31 2019, vol. 100, no. 11., Registrované v: WOS
66. [1.1] CHOUDHURY, Debajyoti - GHOSH, Kirtiman - NIYOGLI, Saurabh. Probing nonstandard neutrino interactions at the LHC Run II. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 784, pp. 248-254., Registrované v: WOS
67. [1.1] CHOUDHURY, D. - KUMAR, N. - KUNDU, A. Search for an opposite sign muon-tau pair and a b-jet at the LHC in the context of flavor anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 1 2019, vol. 100, no. 7., Registrované v: WOS
68. [1.1] CHOWDHURY, Debtosh - PATEL, Ketan M. - TATA, Xerxes - VEMPATI, Sudhir K. Indirect searches of the degenerate MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075025., Registrované v: WOS
69. [1.1] CHO, G.C. - YAMASHITA, K. - YONEMURA, M. Search for vector-mediated dark matter at the LHC with forward proton tagging. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 18 2020, vol. 101, no. 3., Registrované v: WOS
70. [1.1] CHO, W.S. - KIM, H.D. - LEE, D. Boosting invisible Higgs boson searches by tagging a gluon jet for the gluon fusion process. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 3 2020, vol. 102, no. 11., Registrované v: WOS
71. [1.1] ISHIWATA, Koji - YONEKURA, Yuki. Longitudinal W boson scattering in a light scalar top scenario. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015009., Registrované v: WOS
72. [1.1] KAHLHOEFER, Felix. Review of LHC dark matter searches. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 13, art. no. 1730006., Registrované v: WOS
73. [1.1] KANG, Zhaofeng - LI, Jinmian - ZHANG, Mengchao. Uncover compressed supersymmetry via boosted bosons from the heavier stop/sbottom. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 6, art. no. 371, Registrované v: WOS
74. [1.1] KONAR, Partha - MONDAL, Tanmoy - SWAIN, Abhaya Kumar. Demystifying the compressed top squark region with kinematic variables.

In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 095011., Registrované v: WOS

75. [1.1] KOWALSKA, Kamila - SESSOLO, Enrico Maria. MSSM fits to the ATLAS 1 lepton excess. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 2, art. no. 79., Registrované v: WOS

76. [1.1] KOWALSKA, Kamila. Phenomenological MSSM in light of new 13 TeV LHC data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 12, art. no. 684., Registrované v: WOS

77. [1.1] KRAML, Sabine - LAA, Ursula - MAWATARI, Kentarou - YAMASHITA, Kimiko. Simplified dark matter models with a spin-2 mediator at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 5, art. no. 326., Registrované v: WOS

78. [1.1] LINDERT, J. M. - POZZORINI, S. - BOUGHEZAL, R. - CAMPBELL, J. M. - DENNER, A. - DITTMAYER, S. - GEHRMANN-DE RIDDER, A. - GEHRMANN, T. - GLOVER, N. - HUSS, A. - KALLWEIT, S. - MAIERHOEFER, P. - MANGANO, M. L. - MORGAN, T. A. - MUECK, A. - PETRIELLO, F. - SALAM, G. P. - SCHONHERR, M. - WILLIAMS, C. Precise predictions for V plus jets dark matter backgrounds. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 829., Registrované v: WOS

79. [1.1] LI, J.M. - LI, T.J. - PEI, J.L. - ZHANG, W.X. Uncovering quirk signal via energy loss inside tracker. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 9 2020, vol. 102, no. 5., Registrované v: WOS

80. [1.1] LI, J.M. - LI, T.J. - PEI, J.L. - ZHANG, W.X. The quirk trajectory. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 21 2020, vol. 80, no. 7., Registrované v: WOS

81. [1.1] MAHBUBANI, Rakhi - ZURITA, Jose. Probing compressed dark sectors at 100 TeV in the dileptonic mono-Z channel. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 092., Registrované v: WOS

82. [1.1] MANDAL, Rusa. Fermionic dark matter in leptoquark portal. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 726., Registrované v: WOS

83. [1.1] MORETTI, Stefano - O'BRIEN, Dermot - PANIZZI, Luca - PRAGER, Hugo. Production of extra quarks decaying to dark matter beyond the narrow width approximation at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035033., Registrované v: WOS

84. [1.1] MORGANTE, Enrico. Dark Matter Searches at the LHC. In ASPECTS OF WIMP DARK MATTER SEARCHES AT COLLIDERS AND OTHER PROBES. ISSN 2190-5053, 2017, pp. 85-96., Registrované v: WOS

85. [1.1] MORISAKI, S. - SUYAMA, T. Detectability of ultralight scalar field dark matter with gravitational-wave detectors. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 10 2019, vol. 100, no. 12., Registrované v: WOS

86. [1.1] MUEHLLEITNER, Margarete - SAMPAIO, Marco O. P. - SANTOS, Rui - WITTBRODT, Jonas. Phenomenological comparison of models with extended Higgs sectors. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 132., Registrované v: WOS

87. [1.1] MUNOZ, Julian B. - LOEB, Abraham. Constraints on dark matter-baryon scattering from the temperature evolution of the intergalactic medium. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE

PHYSICS. ISSN 1475-7516, 2017, no. 11, art. no. 043., Registrované v: WOS
 88. [1.1] MUNOZ, J.B. Robust velocity-induced acoustic oscillations at cosmic dawn. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 26 2019, vol. 100, no. 6., Registrované v: WOS
 89. [1.1] PIERCE, Aaron - SHAH, Nausheen R. - VOGL, Stefan. Stop co-annihilation in the minimal supersymmetric standard model revisited. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 2, art. no. 023008., Registrované v: WOS
 90. [1.1] ROSZKOWSKI, Leszek - SESSOLO, Enrico Maria - TROJANOWSKI, Sebastian. WIMP dark matter candidates and searches-current status and future prospects. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2018, vol. 81, no. 6, art. no. 066201., Registrované v: WOS
 91. [1.1] STENGEL, Patrick. Charged Mediators in Dark Matter Scattering. In WORKSHOP ON NEUTRINO PHYSICS AND UNIFICATION, NEAR DETECTOR PHYSICS AND DARK MATTER (CETUP* 2016). ISSN 0094-243X, 2017, vol. 1900, art. no. UNSP 040008., Registrované v: WOS
 92. [1.1] SUI, Yicong - ZHANG, Yongchao. Prospects of type-II seesaw models at future colliders in light of the DAMPE $e^{+}e^{-}$ excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095002., Registrované v: WOS

ADCA984 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for new phenomena in high-mass diphoton final states using 37 fb(-1) of proton-proton collisions collected at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Physics Letters B*, 2017, vol. 775, p. 105-125. (2016: 4.807 - IF, Q1 - JCR, 3.032 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2017.10.039>

Ohlasy:

1. [1.1] AGARWALLA, Sanjib Kumar - GHOSH, Kirtiman - PATRA, Ayon. Sub-TeV quintuplet minimal dark matter with left-right symmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 123., Registrované v: WOS
2. [1.1] AGASHE, Kaustubh - COLLINS, Jack H. - DU, Peizhi - HONG, Sungwoo - KIM, Doojin - MISHRA, Rashmish K. Detecting a boosted diboson resonance. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 027., Registrované v: WOS
3. [1.1] AGASHE, K. - COLLINS, J.H. - DU, P.Z. - HONG, S. - KIM, D. - MISHRA, R.K. Dedicated strategies for triboson signals from cascade decays of vector resonances. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 15 2019, vol. 99, no. 7., Registrované v: WOS
4. [1.1] ARCADI, Giorgio. 2HDM portal for singlet-doublet dark matter. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 10, art. no. 864., Registrované v: WOS
5. [1.1] AYDEMIR, Ufuk - MINIC, Djordje - SUN, Chen - TAKEUCHI, Tatsu. B-decay anomalies and scalar leptoquarks in unified Pati-Salam models from noncommutative geometry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 117., Registrované v: WOS

6. [1.1] BALDENEGRO, C. - FICHET, S. - VON GERSDORFF, G. - ROYON, C. Searching for axion-like particles with proton tagging at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 131., Registrované v: WOS
7. [1.1] BARMAN, R.K. - BHATTACHERJEE, B. - CHOUDHURY, A. - CHOWDHURY, D. - LAHIRI, J. - RAY, S. Current status of MSSM Higgs sector with LHC 13 TeV data. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, APR 2019, vol. 134, no. 4., Registrované v: WOS
8. [1.1] BASLER, P. - DAWSON, S. - ENGLERT, C. - MUHLLEITNER, M. Showcasing HH production: Benchmarks for the LHC and HL-LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 29 2019, vol. 99, no. 5., Registrované v: WOS
9. [1.1] BAUER, M. - HEILES, M. - NEUBERT, M. - THAMM, A. Axion-like particles at future colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 28 2019, vol. 79, no. 1., Registrované v: WOS
10. [1.1] BAUM, Sebastian - SHAH, Nausheen R. Two Higgs doublets and a complex singlet: disentangling the decay topologies and associated phenomenology. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 044., Registrované v: WOS
11. [1.1] BAUM, S. - SHAH, N.R. - FREESE, K. The NMSSM is within reach of the LHC: mass correlations & decay signatures. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 1 2019, no. 4., Registrované v: WOS
12. [1.1] BEDNYAKOV, Alexander - RUTBERG, Veronika. FCNC decays of the Higgs bosons in the BGL model. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2018, vol. 33, no. 31, art. no. 1850152., Registrované v: WOS
13. [1.1] BIZOT, Nicolas - CACCIAPAGLIA, Giacomo - FLACKE, Thomas. Common exotic decays of top partners. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 065., Registrované v: WOS
14. [1.1] BORDES, Jose - CHAN HONG-MO - TSUN, Tsou Sheung. A closer study of the framed standard model yielding testable new physics plus a hidden sector with dark matter candidates. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 33, art. no. 1850195., Registrované v: WOS
15. [1.1] BRUSTEIN, Rain - RAVEH, Yael. Signatures of hypercharge axions at contemporary and future colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 055010., Registrované v: WOS
16. [1.1] CATANI, Stefano - CIERI, Leandro - DE FLORIAN, Daniel - FERRERA, Giancarlo - GRAZZINI, Massimiliano. Diphoton production at the LHC: a QCD study up to NNLO. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 4, art. no. 142., Registrované v: WOS
17. [1.1] CLINE, James M. B decay anomalies and dark matter from vectorlike confinement. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 015013., Registrované v: WOS
18. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
19. [1.1] DANIELSSON, U. - ENBERG, R. - INGELMAN, G. -

- MANDAL, T. Varying gauge couplings and collider phenomenology. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 18 2019, vol. 100, no. 5., Registrované v: WOS
20. [1.1] DONG, P.V. - NGAN, N.T.K. - THAM, T.D. - THIEN, L.D. - THUY, N.T. Phenomenology of the simple 3-3-1 model with inert scalars. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 23 2019, vol. 99, no. 9., Registrované v: WOS
21. [1.1] D'AGNOLO, R.T. - LOW, M. Disorder and mimesis at hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 28 2019, no. 8., Registrované v: WOS
22. [1.1] EGANA-UGRINOVIC, D. - HOMILLER, S. - MEADE, P. Higgs bosons with large couplings to light quarks. In PHYSICAL REVIEW D. ISSN 1550-7998, DEC 23 2019, vol. 100, no. 11., Registrované v: WOS
23. [1.1] ELLIS, John - GE, Shao-Feng. Constraining Gluonic Quartic Gauge Coupling Operators with $gg \rightarrow \gamma \gamma$. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 4, art. no. 041801., Registrované v: WOS
24. [1.1] FERREIRA, Pedro M. - LIEBLER, Stefan - WITTBRODT, Jonas. $pp \rightarrow A \rightarrow Z h$ and the wrong-sign limit of the two-Higgs-doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055008., Registrované v: WOS
25. [1.1] GIUDICE, Gian F. - KATS, Yevgeny - MCCULLOUGH, Matthew - TORRE, Riccardo - URBANO, Alfredo. Clockwork/linear dilaton: structure and phenomenology. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 009., Registrované v: WOS
26. [1.1] GOERTZ, F. - TAME-NARVAEZ, K. - TENORTH, V.T. Di-jet/ $e^{+}e^{-}$ + MET to probe $Z(2)$ -odd mediators to the dark sector. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 2019, vol. 79, no. 10., Registrované v: WOS
27. [1.1] GRZADKOWSKI, Bohdan - HABER, Howard E. - OGREID, Odd Magne - OSLAND, Per. Heavy Higgs boson decays in the alignment limit of the 2HDM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 056., Registrované v: WOS
28. [1.1] HONG, Deog Ki. Very light dilaton and naturally light Higgs boson. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 102., Registrované v: WOS
29. [1.1] HUITU, K. - KOIVUNEN, N. - LEBEDEV, O. - MONDAL, S. - TOMA, T. Probing pseudo-Goldstone dark matter at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 9 2019, vol. 100, no. 1., Registrované v: WOS
30. [1.1] CHOUBEY, Sandhya - KHAN, Sarif - MITRA, Manimala - MONDAL, Subhadeep. Singlet-triplet fermionic dark matter and LHC phenomenology. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 302., Registrované v: WOS
31. [1.1] CHOWDHURY, Debtosh - EBERHARDT, Otto. Update of global Two-Higgs-Doublet model fits. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 161., Registrované v: WOS
32. [1.1] CHO, Jin-Hwan - KIM, Tae Young - SONG, Jeonghyeon. Constraints from Heavy Higgs Boson Masses in the two Higgs Doublet Model. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884,

- 2018, vol. 73, no. 3, pp. 289-296., Registrované v: WOS
33. [1.1] KANEMURA, S. - KIKUCHI, M. - MAWATARI, K. - SAKURAI, K. - YAGYU, K. Full next-to-leading-order calculations of Higgs boson decay rates in models with non-minimal scalar sectors. In NUCLEAR PHYSICS B. ISSN 0550-3213, DEC 2019, vol. 949., Registrované v: WOS
34. [1.1] KARMAKAR, Siddhartha - RAKSHIT, Subhendu. Alignment limit in 2HDM: robustness put to test. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 142., Registrované v: WOS
35. [1.1] KIM, Jeong Han - LEWIS, Ian M. Loop induced single top partner production and decay at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 095., Registrované v: WOS
36. [1.1] LONG, H.N. - HOP, N.V. - HUE, L.T. - THAO, N.H. - HERNANDEZ, A.E.C. Some phenomenological aspects of the 3-3-1 model with the Carcamo-Kovalenko-Schmidt mechanism. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 8 2019, vol. 100, no. 1., Registrované v: WOS
37. [1.1] MARZOCCA, David. Addressing the B-physics anomalies in a fundamental Composite Higgs model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 121., Registrované v: WOS
38. [1.1] MEGIAS, Eugenio - NARDINI, Germano - QUIROS, Mariano. Cosmological phase transitions in warped space: gravitational waves and collider signatures. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 095., Registrované v: WOS
39. [1.1] ORZEL, Chad. New Physics Searches Using Precision Spectroscopy. In ADVANCES IN ATOMIC, MOLECULAR, AND OPTICAL PHYSICS, VOL 67. ISSN 1049-250X, 2018, vol. 67, pp. 337-375., Registrované v: WOS
40. [1.1] OUYANG, R.W. - MATSUZAKI, S. Enhanced di-Higgs signal from hidden scalar QCD at leading-order in the scale-symmetry limit. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 29 2019, vol. 99, no. 7., Registrované v: WOS
41. [1.1] SANCHEZ-VELEZ, R. - TAVARES-VELASCO, G. Decay $\phi \rightarrow Z \gamma \gamma$ ($\phi = h, H, A$) in the minimal supersymmetric standard model. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 19 2019, vol. 99, no. 5., Registrované v: WOS
42. [1.1] SERRA, J. - STELZL, S. - TORRE, R. - WEILER, A. Hypercharged naturalness. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 7 2019, no. 10., Registrované v: WOS
43. [1.1] SOKOLENKO, Anastasia - BONDARENKO, Kyrylo - BOYARSKY, Alexey - SHCHUTSKA, Lesya. Connection between diphoton and triboson channels in new physics searches. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 787, pp. 23-29., Registrované v: WOS

ADCA985 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for new phenomena in high-mass final states with a photon and a jet from pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *European Physical Journal C*, 2018, vol. 78, no. 2, art. no. 102. (2017: 5.172 - IF, Q1 - JCR, 2.022 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-018-5553-2>

Ohlasy:

1. [1.1] CIRIGLIANO, V. - DEKENS, W. - DE VRIES, J. - GRAESSER, M. L. - MEREGHETTI, E. A neutrinoless double beta decay master formula from effective field theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 097., Registrované v: WOS
2. [1.1] DE OLIVEIRA, Ednilton S. Scalar scattering from black holes with tidal charge. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 11, art. no. 876., Registrované v: WOS
3. [1.1] LI, Tong. Type II Seesaw and tau lepton at the HL-LHC, HE-LHC and FCC-hh. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 079., Registrované v: WOS
4. [1.1] MARZOCCA, David. Addressing the B-physics anomalies in a fundamental Composite Higgs model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 121., Registrované v: WOS

ADCA986 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for new phenomena in photon plus jet events collected in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Physics Letters B*, 2014, vol. 728, p. 562-578. (2013: 6.019 - IF, Q1 - JCR, 3.707 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] ARKANI-HAMED, Nima - D'AGNOLO, Raffaele Tito - LOW, Matthew - PINNER, David. Unification and new particles at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 11, art. no. 082., Registrované v: WOS
2. [1.1] BELYAEV, Alexander - CACCIAPAGLIA, Giacomo - CAI, Haiying - FERRETTI, Gabriele - FLACKE, Thomas - PAROLINI, Alberto - SERODIO, Hugo. Di-boson signatures as standard candles for partial compositeness. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 1, art. no. 094., Registrované v: WOS
3. [1.1] CACCIAPAGLIA, G. - DEANDREA, A. - FLACKE, T. - IYER, A.M. Gluon-photon signatures for color octet at the LHC (and beyond). In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 7 2020, no. 5., Registrované v: WOS
4. [1.1] CLERBAUX, Barbara. Highlights on searches for supersymmetry and exotic models. In COMPTES RENDUS PHYSIQUE. ISSN 1631-0705, 2015, vol. 16, no. 4, pp. 407-423., Registrované v: WOS
5. [1.1] DIMOPOULOS, Savas - HOOK, Anson - HUANG, Junwu - MARQUES-TAVARES, Gustavo. A collider observable QCD axion. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 11, art. no. 052., Registrované v: WOS
6. [1.1] DOBRESCU, Bogdan A. - FOX, Patrick J. - KEARNEY, John. Higgs-photon resonances. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 10, art. no. 704., Registrované v: WOS
7. [1.1] HARIGAYA, Keisuke - NOMURA, Yasunori. A composite model for the 750 GeV diphoton excess. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 091., Registrované v: WOS
8. [1.1] HESARI, Hoda - NAJAFABADI, Mojtaba Mohammadi. Direct photon production as a probe of quarks chromoelectric and chromomagnetic dipole moments at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015,

vol. 91, no. 5, art. no. 057502., Registrované v: WOS

9. [1.1] KAMENIK, Jernej F. - REDI, Michele. Back to 1974: The Q-onium. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 760, 158-163., Registrované v: WOS

10. [1.1] KATS, Yevgeny - STRASSLER, Matthew J. Resonances from QCD bound states and the 750 GeV diphoton excess (vol 05, 092, 2016). In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art. no. 044., Registrované v: WOS

11. [1.1] KO, P. - YU, Chaehyun - YUAN, Tzu-Chiang. Probing a new strongly interacting sector via composite diboson resonances. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115034., Registrované v: WOS

ADCA987 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for new phenomena in the dijet mass distribution using pp collision data at root s=8 TeV with the ATLAS detector. In *Physical Review D*, 2015, vol. 91, no. 5, art. no. 052007. (2014: 4.643 - IF, Q1 - JCR, 2.414 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.91.052007>

Ohlasy:

1. [1.1] ABBAS, Gauhar. Low scale left-right-right-left symmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015029., Registrované v: WOS

2. [1.1] ABBAS, Gauhar. Right-right-left extension of the Standard Model. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 19, art. no. 1650117., Registrované v: WOS

3. [1.1] ALLANACH, B. C. - DEV, P. S. Bhupal - RENNER, S. A. - SAKURAI, Kazuki. 750 GeV diphoton excess explained by a resonant sneutrino in R-parity violating supersymmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115022., Registrované v: WOS

4. [1.1] ALLANACH, B. C. - DEV, P. S. Bhupal - SAKURAI, Kazuki. ATLAS diboson excess could be an R-parity violating dimuon excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 035010., Registrované v: WOS

5. [1.1] ALLANACH, B. C. - GRIPAIOS, Ben - SUTHERLAND, Dave. Anatomy of the ATLAS diboson anomaly. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 5, art. no. 055003., Registrované v: WOS

6. [1.1] ALTMANNSHOFER, Wolfgang - GALLOWAY, Jamison - GORI, Stefania - KAGAN, Alexander L. - MARTIN, Adam - ZUPAN, Jure. 750 GeV diphoton excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 095015., Registrované v: WOS

7. [1.1] ANCHORDOQUI, Luis A. - ANTONIADIS, Ignatios - GOLDBERG, Haim - HUANG, Xing - LUEST, Dieter - TAYLOR, Tomasz R. Stringy origin of diboson and dijet excesses at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 749, pp. 484-488., Registrované v: WOS

8. [1.1] ANCHORDOQUI, Luis A. - ANTONIADIS, Ignatios - GOLDBERG, Haim - HUANG, Xing - LUESTH, Dieter - TAYLOR, Tomasz R. Update on 750 GeV diphotons from closed string states. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 759, pp. 223-228., Registrované v: WOS

9. [1.1] ANCHORDOQUI, Luis A. - ANTONIADIS, Ignatios - GOLDBERG, Haim - HUANG, Xing - LUEST, Dieter - TAYLOR, Tomasz R. 750 GeV diphotons from closed string states. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 755, pp. 312-315., Registrované v: WOS
10. [1.1] ANCHORDOQUI, Luis A. - ANTONIADIS, Ignatios - GOLDBERG, Haim - HUANG, Xing - LUEST, Dieter - TAYLOR, Tomasz R. Minimal left-right symmetric intersecting D-brane model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 2, art. no. 026011., Registrované v: WOS
11. [1.1] ANTONIADIS, I. Aspects of string phenomenology in particle physics and cosmology. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 02003., Registrované v: WOS
12. [1.1] ARINA, Chiara. Impact of Cosmological and Astrophysical Constraints on Dark Matter Simplified Models. In FRONTIERS IN ASTRONOMY AND SPACE SCIENCES. ISSN 2296-987X, 2018, vol. 5, art. no. 30., Registrované v: WOS
13. [1.1] ARKANI-HAMED, Nima - HAN, Tao - MANGANO, Michelangelo - WANG, Lian-Tao. Physics opportunities of a 100 TeV proton-proton collider. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2016, vol. 652, pp. 1-49., Registrované v: WOS
14. [1.1] AWASTHI, Ram Lal - DEV, P. S. Bhupal - MITRA, Manimala. Implications of the diboson excess for neutrinoless double beta decay and lepton flavor violation in TeV scale left-right symmetric model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 011701., Registrované v: WOS
15. [1.1] AYDEMIR, Ufuk - MINIC, Djordje - SUN, Chen - TAKEUCHI, Tatsu. The 750 GeV diphoton excess in unified $SU(2)(L) \times SU(2)(R) \times SU(4)$ models from noncommutative geometry. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 18, art. no. 1650101., Registrované v: WOS
16. [1.1] AYDEMIR, Ufuk - MINIC, Djordje - SUN, Chen - TAKEUCHI, Tatsu. Pati-Salam unification from noncommutative geometry and the TeV-scale W-R boson. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 1, art. no. 1550223., Registrované v: WOS
17. [1.1] AYDEMIR, Ufuk - MINIC, Djordje - SUN, Chen - TAKEUCHI, Tatsu. B-decay anomalies and scalar leptoquarks in unified Pati-Salam models from noncommutative geometry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 117., Registrované v: WOS
18. [1.1] AYDEMIR, Ufuk. $SO(10)$ grand unification in light of recent LHC searches and colored scalars at the TeV-scale. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 8, art. no. 1650034., Registrované v: WOS
19. [1.1] BARDUCCI, D. - BELANGER, G. - BERNON, J. - BOUDJEMA, F. - DA SILVA, J. - KRAML, S. - LAA, U. - PUKHOV, A. Collider limits on new physics within micrOMEGAs_4.3. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 222, pp.

327-338., Registrované v: WOS

20. [1.1] BASALAEV, A. E. - NARYSHKIN, Yu G. DARK MATTER SEARCHES AT THE LARGE HADRON COLLIDER. In ST PETERSBURG POLYTECHNIC UNIVERSITY JOURNAL-PHYSICS AND MATHEMATICS. ISSN 2405-7223, 2018, vol. 11, no. 1, pp. 122-137., Registrované v: WOS

21. [1.1] BATELL, Brian - FREITAS, Ayres - ISMAIL, Ahmed - MCKEEN, David. Flavor-specific scalar mediators. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 055026., Registrované v: WOS

22. [1.1] BAUER, Martin - SCHELL, Torben - PLEHN, Tilman. Hunting the flavon. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 056003., Registrované v: WOS

23. [1.1] BEAUCHESNE, Hugues - EARL, Kevin - GREGOIRE, Thomas. LHC phenomenology and baryogenesis in supersymmetric models with a $U(1)(R)$ baryon number. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 6, art. no. 122., Registrované v: WOS

24. [1.1] BELANGER, Genevieve - DA SILVA, Jonathan - HIEU MINH TRAN. Dark matter in $U(1)$ extensions of the MSSM with gauge kinetic mixing. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115017., Registrované v: WOS

25. [1.1] BELANGER, Genevieve - DELAUNAY, Cedric. Dark sector for $g(\mu)-2$, $R-K$ and a 750 GeV diphoton resonance. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075019., Registrované v: WOS

26. [1.1] BELYAEV, Alexander - CACCIAPAGLIA, Giacomo - CAI, Haiying - FERRETTI, Gabriele - FLACKE, Thomas - PAROLINI, Alberto - SERODIO, Hugo. Di-boson signatures as standard candles for partial compositeness. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 1, art. no. 094., Registrované v: WOS

27. [1.1] BERNON, Jeremy - SMITH, Christopher. Could the width of the diphoton anomaly signal a three-body decay? In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 757, pp. 148-153., Registrované v: WOS

28. [1.1] BHATTACHERJEE, Biplob - BYAKTI, Pritibhajan - KHOSA, Charanjit K. - LAHIRI, Jayita - MENDIRATTA, Gaurav. Alternative search strategies for a BSM resonance fitting the ATLAS diboson excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075015., Registrované v: WOS

29. [1.1] BHATTACHERJEE, Biplob - BYAKTI, Pritibhajan - KUSHWAHA, Ashwani - VEMPATI, Sudhir K. Unification with vector-like fermions and signals at LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 090., Registrované v: WOS

30. [1.1] BHATTIPROLU, P.N. - MARTIN, S.P. Signal-background interference for digluon resonances at the Large Hadron Collider. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 16 2020, vol. 102, no. 1., Registrované v: WOS

31. [1.1] BIEKOETTER, Anke - HEWETT, JoAnne L. - KIM, Jong Soo - KRAEMER, Michael - RIZZO, Thomas G. - ROLBIECKI, Krzysztof - TATTERSALL, Jamie - WEBER, Torsten. Complementarity of resonant scalar, vector-like quark and superpartner searches in elucidating new phenomena. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 5, art. no. 1750032., Registrované v: WOS

32. [1.1] BISHARA, F. - VERHAAREN, C.B. Singleton portals to the

- twin sector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 3 2019, no. 5., Registrované v: WOS
33. [1.1] BI, Xiao-Jun - XIANG, Qian-Fei - YIN, Peng-Fei - YU, Zhao-Huan. The 750 GeV diphoton excess at the LHC and dark matter constraints. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 909, pp. 43-64., Registrované v: WOS
34. [1.1] BLANCO, C. - ESCUDERO, M. - HOOPER, D. - WITTE, S.J. Z' mediated WIMPs: dead, dying, or soon to be detected?. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, NOV 2019, no. 11., Registrované v: WOS
35. [1.1] BLUM, Kfir - EFRATI, Aielet - FRUGIUELE, Claudia - NIR, Yosef. Exotic colored scalars at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 2, art. no. 104., Registrované v: WOS
36. [1.1] BORAH, Debasish - DASGUPTA, Arnab - PATRA, Sudhanwa. Neutrinoless double beta decay in minimal left-right symmetric model with universal seesaw. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 35, art. no. 1850198., Registrované v: WOS
37. [1.1] BREHMER, Johann - FREITAS, Ayres - LOPEZ-VAL, David - PLEHN, Tilman. Pushing Higgs effective theory to its limits. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075014., Registrované v: WOS
38. [1.1] BRUNETTI, Maria Brigida - GONNELLA, Francesco - IACOBUZIO, Lorenza. Search for Exotic Particles at the NA62 Experiment. In UNIVERSE. ISSN 2218-1997, 2018, vol. 4, no. 11, art. no. 119., Registrované v: WOS
39. [1.1] CAO, Junjie - HAN, Chengcheng - SHANG, Liangliang - SU, Wei - YANG, Jin Min - ZHANG, Yang. Interpreting the 750 GeV diphoton excess by the singlet extension of the Manohar-Wise model. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 755, pp. 456-463., Registrované v: WOS
40. [1.1] CLINE, James M. - HUANG, Weicong - MOORE, Guy D. Challenges for models with composite states. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055029., Registrované v: WOS
41. [1.1] COLOMA, Pilar - DOBRESKU, Bogdan A. - LOPEZ-PAVON, Jacobo. Right-handed neutrinos and the 2 TeV W' boson. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 115023., Registrované v: WOS
42. [1.1] COX, Peter - MEDINA, Anibal D. - RAY, Tirtha Sankar - SPRAY, Andrew. Implications of diphoton searches for a radion in the bulk-Higgs scenario. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 4, art. no. 1750020., Registrované v: WOS
43. [1.1] COY, Rupert - FRIGERIO, Michele - IBE, Masahiro. Dynamical clockwork axions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 10, art. no. 002., Registrované v: WOS
44. [1.1] CRAIG, Nathaniel - DRAPER, Patrick - KILIC, Can - THOMAS, Scott. Shedding light on diphoton resonances. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115023., Registrované v: WOS

45. [1.1] CURRIE, J. - RIDDER, A. Gehrmann-De - GEHRMANN, T. - GLOVER, E. W. N. - HUSS, A. - PIRES, J. Precise Predictions for Dijet Production at the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 15, art. no. 152001., Registrované v: WOS
46. [1.1] DA ROLD, Leandro - DAVIDOVICH, Ivan A. A symmetry for $\epsilon(K)$. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, vol., no. 10, art. no. 135., Registrované v: WOS
47. [1.1] DAVOUDIASL, Hooman - ZHANG, Cen. 750 GeV messenger of dark conformal symmetry breaking. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055006., Registrované v: WOS
48. [1.1] DE ROMERI, Valentina - KIM, Jong Soo - MARTIN-LOZANO, Victor - ROLBIECKI, Krzysztof - RUIZ DE AUSTRI, Roberto. Confronting dark matter with the diphoton excess from a parent resonance decay. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 262., Registrované v: WOS
49. [1.1] DELGADO, Rafael L. - DOBADO, Antonio - LLANES-ESTRADA, Felipe J. Possible New Resonance from WLWL-hh Interchannel Coupling. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 22, art. no. 221803., Registrované v: WOS
50. [1.1] DEMIDOV, S. V. - GORBUNOV, D. S. On the sgoldstino interpretation of the diphoton excess. In JETP LETTERS. ISSN 0021-3640, 2016, vol. 103, no. 4, pp. 219-222., Registrované v: WOS
51. [1.1] DEPPISCH, Frank F. - GRAF, Lukas - KULKARNI, Suchita - PATRA, Sudhanwa - RODEJOHANN, Werner - SAHU, Narendra - SARKAR, Utpal. Reconciling the 2 TeV excesses at the LHC in a linear seesaw left-right model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 013011., Registrované v: WOS
52. [1.1] DEPPISCH, F. F. - KULKARNI, S. - PAES, H. - SCHUMACHER, E. Leptoquark patterns unifying neutrino masses, flavor anomalies, and the diphoton excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 013003., Registrované v: WOS
53. [1.1] DERY, A. - NIR, Y. Implications of the LHCb discovery of CP violation in charm decays. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 13 2019, no. 12., Registrované v: WOS
54. [1.1] DEV, P. S. Bhupal - MOHAPATRA, R. N. Unified Explanation of the $eejj$, Diboson, and Dijet Resonances at the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 18, art. no. 181803., Registrované v: WOS
55. [1.1] DEV, P. S. Bhupal - TERESI, Daniele. Asymmetric dark matter in the Sun and diphoton excess at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 2, art. no. 025001., Registrované v: WOS
56. [1.1] DHURIA, Mansi - HATI, Chandan - SARKAR, Utpal. Explaining the CMS excesses, baryogenesis, and neutrino masses in a E-6 motivated $U(1)(N)$ model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 015001., Registrované v: WOS
57. [1.1] DING, Ran - HAN, Zhi-Long - LIAO, Yi - MA, Xiao-Dong. Interpretation of 750 GeV diphoton excess at LHC in singlet extension of color-octet neutrino mass model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, art. no. 204., Registrované v: WOS
58. [1.1] DOBRESCU, Bogdan A. - LIU, Zhen. W' Boson near 2 TeV:

- Predictions for Run 2 of the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 21, art. no. 211802., Registrované v: WOS
59. [1.1] DOBRESCU, Bogdan A. - FOX, Patrick J. - KEARNEY, John. Higgs-photon resonances. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 10, art. no. 704., Registrované v: WOS
60. [1.1] EGANA-UGRINOVIC, D. - HOMILLER, S. - MEADE, P. Higgs bosons with large couplings to light quarks. In PHYSICAL REVIEW D. ISSN 1550-7998, DEC 23 2019, vol. 100, no. 11., Registrované v: WOS
61. [1.1] FARINA, Marco - MONTEUX, Angelo - SHIN, Chang Sub. Twin mechanism for baryon and dark matter asymmetries. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035017., Registrované v: WOS
62. [1.1] FLACKE, Thomas. Searching for composite Higgs models at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 19, art. no. 1630026., Registrované v: WOS
63. [1.1] FONSECA, Renato M. - HIRSCH, Martin. SU(5)-inspired double beta decay. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 015014., Registrované v: WOS
64. [1.1] FOOT, Robert - GARGALIONIS, John. Explaining the 750 GeV diphoton excess with a colored scalar charged under a new confining gauge interaction. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 011703., Registrované v: WOS
65. [1.1] FREYTSIS, M. - HARRIS, P. - HINZMANN, A. - MOULT, I. - TRAN, N. - VERNIERI, C. Prospects for a measurement of the W boson mass in the all-jets final state at hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 1 2019, no. 2., Registrované v: WOS
66. [1.1] GENG, Chao-Qiang - HUANG, Da. Note on spin-2 particle interpretation of the 750 GeV diphoton excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115032., Registrované v: WOS
67. [1.1] GHOSH, Pradipta - LARA, Inaki - LOPEZ-FOGLIANI, Daniel E. - MUNOZ, Carlos - DE AUSTRI, Roberto Ruiz. Searching for left sneutrino LSP at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 18-19, art. no. 1850110., Registrované v: WOS
68. [1.1] GLUZA, Janusz - JELINSKI, Tomasz. Heavy neutrinos and the $pp \rightarrow l\bar{l}jj$ CMS data. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 748, pp. 125-131., Registrované v: WOS
69. [1.1] GONZALEZ, L. - HELO, J. C. - HIRSCH, M. - KOVALENKO, S. G. Scalar-mediated double beta decay and LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 12, art. no. 130., Registrované v: WOS
70. [1.1] GU, Jiayin - LIU, Zhen. Physics implications of the diphoton excess from the perspective of renormalization group flow. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075006., Registrované v: WOS
71. [1.1] HARIGAYA, Keisuke - NOMURA, Yasunori. Composite models for the 750GeV diphoton excess. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 754, pp. 151-156., Registrované v: WOS
72. [1.1] HAYRETER, Alper - VALENCIA, German. LHC constraints on color octet scalars. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol.

- 96, no. 3, art. no. 035004., Registrované v: WOS
73. [1.1] HEISIG, Jan - KRAEMER, Michael - PELLEN, Mathieu - WIEBUSCH, Christopher. Constraints on Majorana dark matter from the LHC and IceCube. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055029., Registrované v: WOS
74. [1.1] HELO, J. C. - HIRSCH, M. LHC dijet constraints on double beta decay. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 073017., Registrované v: WOS
75. [1.1] HISANO, Junji - NAGATA, Natsumi - OMURA, Yuji. Interpretations of the ATLAS diboson resonances. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 055001., Registrované v: WOS
76. [1.1] HUANG, Xian-Jun - ZHANG, Wei-Hong - ZHOU, Yu-Feng. Connecting the LHC diphoton excess to the Galactic Center gamma-ray excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035019., Registrované v: WOS
77. [1.1] HUANG, Xian-Jun - ZHANG, Wei-Hong - ZHOU, Yu-Feng. 750 GeV diphoton excess and a dark matter messenger at the Galactic Center. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115006., Registrované v: WOS
78. [1.1] CHAKRABARTY, N. - CHAKRABORTY, I. - GHOSH, D.K. Fingerprinting the contribution of colored scalars to the $\langle H^+ W^- Z(\gamma) \rangle$ vertex. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 5 2020, vol. 80, no. 12., Registrované v: WOS
79. [1.1] CHAKRABORTY, Sabyasachi - CHAKRABORTY, Amit - RAYCHAUDHURI, Sreerup. Diphoton resonance at 750 GeV in the broken R-symmetric MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035014., Registrované v: WOS
80. [1.1] CHALA, Mikael - GROJEAN, Christophe - RIEMBAU, Marc - VANTALON, Thibaud. Deciphering the CP nature of the 750 GeV resonance. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 760, pp. 220-227., Registrované v: WOS
81. [1.1] CHANG, Jung - CHEUNG, Kingman - LU, Chih-Ting. Interpreting the 750 GeV diphoton resonance using photon jets in hidden-valley-like models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075013., Registrované v: WOS
82. [1.1] CHEUNG, Kingman - KEUNG, Wai-Yee - TSENG, Po-Yan - YUAN, Tzu-Chiang. Interpretations of the ATLAS diboson anomaly. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 751, pp. 188-194., Registrované v: WOS
83. [1.1] CHIANG, Cheng-Wei - KUO, An-Li. Can the 750-GeV diphoton resonance be the singlet Higgs boson of custodial Higgs triplet model? In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 760, pp. 634-640., Registrované v: WOS
84. [1.1] CHIVUKULA, R. Sekhar - FARZINNIA, Arsham - SIMMONS, Elizabeth H. Vacuum stability and triviality analyses of the renormalizable coloron model. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 055002., Registrované v: WOS
85. [1.1] CHIVUKULA, R. Sekhar - ISAACSON, Joshua - MOHAN, Kirtimaan A. - SENGUPTA, Dipan - SIMMONS, Elizabeth H. R-K anomalies

- and simplified limits on Z' models at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075012., Registrované v: WOS
86. [1.1] CHIVUKULA, R. S. - SIMMONS, E. H. - VIGNAROLI, N. The jet energy profile: A BSM analysis tool. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 36, art. no. 1747022., Registrované v: WOS
87. [1.1] CHOUDHURY, Arghya - KOWALSKA, Kamila - ROSZKOWSKI, Leszek - SESSOLO, Enrico Maria - WILLIAMS, Andrew J. Blind Spots for Direct Detection with Simplified DM Models and the LHC. In UNIVERSE. ISSN 2218-1997, 2017, vol. 3, no. 2, art. no. 41., Registrované v: WOS
88. [1.1] KAMENIK, Jernej F. - REDI, Michele. Back to 1974: The Q-onium. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 760, pp. 158-163., Registrované v: WOS
89. [1.1] KANG, Sin Kyu - SONG, Jeonghyeon. Top-phobic heavy Higgs boson as the 750 GeV diphoton resonance. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115012., Registrované v: WOS
90. [1.1] KIM, Jong Soo - ROLBIECKI, Krzysztof - RUIZ DE AUSTRI, Roberto. Model-independent combination of diphoton constraints at 750 GeV. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 251., Registrované v: WOS
91. [1.1] KNAPEN, Simon - MELIA, Tom - PAPUCCI, Michele - ZUREK, Kathryn M. Rays of light from the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075020., Registrované v: WOS
92. [1.1] KO, P. - NOMURA, Takaaki. Phenomenology of dark matter in chiral $U(1)(X)$ dark sector. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 115015., Registrované v: WOS
93. [1.1] KO, P. - YU, Chaehyun - YUAN, Tzu-Chiang. Probing a new strongly interacting sector via composite diboson resonances. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115034., Registrované v: WOS
94. [1.1] LIEW, Seng Pei - PAPUCCI, Michele - VICHI, Alessandro - ZUREK, Kathryn M. Mono-X versus direct searches: simplified models for dark matter at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, vol., no. 6, art. no. 082., Registrované v: WOS
95. [1.1] LI, Chong Sheng. Search for the Signal of Monotop Production at the Early LHC. In QCD HIGHER-ORDER EFFECTS AND SEARCH FOR NEW PHYSICS. ISSN 2190-5053, 2016, pp. 107-129., Registrované v: WOS
96. [1.1] LOW, Matthew - TESI, Andrea - WANG, Lian-Tao. Composite spin-1 resonances at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 8, art. no. 085019., Registrované v: WOS
97. [1.1] MARIOTTI, Alberto - REDIGOLO, Diego - SALA, Filippo - TOBIOKA, Kohsaku. New LHC bound on low-mass diphoton resonances. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 13-18., Registrované v: WOS
98. [1.1] MARTINI, Antony - MAWATARI, Kentarou - SENGUPTA, Dipan. Diphoton excess in phenomenological spin-2 resonance scenarios. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075011., Registrované v: WOS
99. [1.1] MARTIN, Stephen P. Signal-background interference for a

- singlet spin-0 digluon resonance at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035003., Registrované v: WOS
100. [1.1] MCDERMOTT, Samuel D. - MEADE, Patrick - RAMANI, Harikrishnan. Singlet scalar resonances and the diphoton excess. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 755, pp. 353-357., Registrované v: WOS
101. [1.1] MODAK, Tanmoy - SADHUKHAN, Soumya - SRIVASTAVA, Rahul. 750 GeV diphoton excess from gauged B L symmetry. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 756, pp. 405-412., Registrované v: WOS
102. [1.1] MOLINARO, Emiliano - SANNINO, Francesco - VIGNAROLI, Natascia. Minimal composite dynamics versus axion origin of the diphoton excess. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 26, art. no. 1650155., Registrované v: WOS
103. [1.1] PARK, Jong-Chul - PARK, Seong Chan. Indirect signature of dark matter with the diphoton resonance at 750 GeV. In PHYSICS OF THE DARK UNIVERSE. ISSN 2212-6864, 2016, vol. 14, pp. 4-10., Registrované v: WOS
104. [1.1] PEREZ, P.F. - GOLIAS, E. - LI, R.H. - MURGUI, C. Leptophobic dark matter and the baryon number violation scale. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 11 2019, vol. 99, no. 3., Registrované v: WOS
105. [1.1] PETERSSON, Christoffer - TORRE, Riccardo. 750 GeV Diphoton Excess from the Goldstino Superpartner. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 15, art. no. 151804., Registrované v: WOS
106. [1.1] SAPETA, Sebastian. QCD and jets at hadron colliders. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 89, pp. 1-55., Registrované v: WOS
107. [1.1] SHU, Jing - YEPES, Juan. Diboson excess and Z'-predictions via left-right nonlinear Higgs. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 40, art. no. 1650228., Registrované v: WOS
108. [1.1] SIMMONS, E. H. - CHIVUKULA, R. S. - ITTISAMAI, P. - VIGNAROLI, N. Separating dijet resonances using the color discriminant variable. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 36, art. no. 1747023., Registrované v: WOS
109. [1.1] SONG, Jeonghyeon - YOON, Yeo Woong. Gigantic diphoton rate of heavy Higgs bosons in the aligned two Higgs doublet models with small tan beta. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 11, art. no. 113012., Registrované v: WOS
110. [1.1] STAUB, Florian - ATHRON, Peter - BASSO, Lorenzo - GOODSSELL, Mark D. - HARRIES, Dylan - KRAUSS, Manuel E. - NICKEL, Kilian - OPFERKUCH, Toby - UBALDI, Lorenzo - VICENTE, Avelino - VOIGT, Alexander. Precision tools and models to narrow in on the 750 GeV diphoton resonance. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 9, art. no. 516., Registrované v: WOS
111. [1.1] YOON, Yeo Woong - CHEUNG, Kingman - KANG, Sin Kyu - SONG, Jeonghyeon. Radiative decays of a singlet scalar boson through vectorlike quarks. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 055041., Registrované v: WOS

ADCA988 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for new phenomena in the WW - vertical bar v vertical bar ' v ' final state in pp collisions at root s=7 TeV with the ATLAS detector. In *Physics Letters B*, 2013, vol. 718, no. 3, p. 860-878. (2012: 4.569 - IF, Q1 - JCR, 3.353 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2012.11.040>

Ohlasy:

1. [1.1] BECCIOLINI, Diego - FRANZOSI, Diogo Buarque - FOADI, Roshan - FRANDSEN, Mads T. - HAPOLA, Tuomas - SANNINO, Francesco. Custodial vector model (vol 92, 015013, 2015). In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 015013., Registrované v: WOS
2. [1.1] BOBOVNIKOV, I. D. - PANKOV, A. A. Z-Z ' Mixing Effects in W Boson Pair Production Processes at Hadron and Lepton High-Energy Colliders. In *PHYSICS OF PARTICLES AND NUCLEI LETTERS*. ISSN 1547-4771, 2016, vol. 13, no. 1, pp. 1-18., Registrované v: WOS
3. [1.1] BOBOVNIKOV, I. D. - OSLAND, P. - PANKOV, A. A. Improved constraints on the mixing and mass of Z ' bosons from resonant diboson searches at the LHC at root s=13 TeV and predictions for Run II. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095029., Registrované v: WOS
4. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS

ADCA989 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for new phenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with missing transverse momentum in root s=13 TeV pp collisions with the ATLAS detector. In *European Physical Journal C*, 2018, vol. 78, no. 8, art. no. 625. (2017: 5.172 - IF, Q1 - JCR, 2.022 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-018-6081-9>

Ohlasy:

1. [1.1] AGARWALLA, S.K. - GHOSH, K. - KUMAR, N. - PATRA, A. Same-sign multilepton signatures of an SU(2)(R) quintuplet at the LHC. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, JAN 9 2019, no. 1., Registrované v: WOS
2. [1.1] AVILA, C. - FLOREZ, A. - GURROLA, A. - DALE, J. - STARKO, S. Connecting particle physics and cosmology: Measuring the dark matter relic density in compressed supersymmetry models at the LHC. In *PHYSICS OF THE DARK UNIVERSE*. ISSN 2212-6864, JAN 2020, vol. 27., Registrované v: WOS
3. [1.1] AVILA, I.M. - DE ROMERI, V. - DUARTE, L. - VALLE, J.W.F. Phenomenology of scotogenic scalar dark matter. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, OCT 1 2020, vol. 80, no. 10., Registrované v: WOS
4. [1.1] BHATTACHERJEE, B. - KHAN, N. - PATRA, A. Anatomy of

heavy gauge bosons in a left-right supersymmetric model. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 10 2019, vol. 100, no. 7., Registrované v: WOS

5. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS

6. [1.1] DE ROMERI, Valentina - PATEL, Ketan M. - VALLE, Jose W. F. Inverse seesaw mechanism with compact supersymmetry: Enhanced naturalness and light superpartners. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075014., Registrované v: WOS

7. [1.1] DUARTE, L. - DIAS, M. - DE CAMPOS, F. A tutorial approach on mass dimension one fermions phenomenological analysis. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, SEP 2020, vol. 229, no. 11, SI, p. 2133-2146., Registrované v: WOS

8. [1.1] PYARELAL, A. - SU, S.F. Higgs assisted razor search for Higgsinos at a 100 TeV pp collider. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, APR 17 2020, vol. 63, no. 10., Registrované v: WOS

9. [1.1] SMARANDA, D.D. - MILLER, D.J. Scherk-Schwarz orbifolds at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS

10. [1.1] TRAN, H.M. - NGUYEN, H.T. GUT-inspired MSSM in light of muon g-2 and LHC results at root s=13 TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 26 2019, vol. 99, no. 3., Registrované v: WOS

ADCA990 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Search for new phenomena with large jet multiplicities and missing transverse momentum using large-radius jets and flavour-tagging at ATLAS in 13 TeV pp collisions. In *Journal of High Energy Physics*, 2017, no. 12, art. no. 034. (2016: 6.063 - IF, Q1 - JCR, 1.163 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP12\(2017\)034](https://doi.org/10.1007/JHEP12(2017)034)

Ohlasy:

1. [1.1] DIENES, K.R. - KIM, D. - SONG, H.Y. - SU, S.F. - THOMAS, B. - YAYLALI, D. Nonminimal dark sectors: Mediator-induced decay chains and multijet collider signatures. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 15 2020, vol. 101, no. 7., Registrované v: WOS

2. [1.1] KASTHA, S. - GUPTA, A. - ARUN, K.G. - SATHYAPRAKASH, B.S. - VAN DEN BROECK, C. Testing the multipole structure and conservative dynamics of compact binaries using gravitational wave observations: The spinning case. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 6 2019, vol. 100, no. 4., Registrované v: WOS

3. [1.1] SMARANDA, D.D. - MILLER, D.J. Scherk-Schwarz orbifolds at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS

ADCA991 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABELOOS, B. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for new phenomena with photon plus jet events in proton-proton collisions at

root s=13 TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2016, vol. 2016, no. 3, art. no. 041. (2015: 6.023 - IF, Q1 - JCR, 1.343 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP03\(2016\)041](https://doi.org/10.1007/JHEP03(2016)041)

Ohlasy:

1. [1.1] DOBRESCU, Bogdan A. - FOX, Patrick J. - KEARNEY, John. Higgs-photon resonances. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2017, vol. 77, no. 10, art. no. 704., Registrované v: WOS
2. [1.1] ENGLERT, Christoph - FERRETTI, Gabriele - SPANNOVSKY, Michael. Jet-associated resonance spectroscopy. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 842., Registrované v: WOS
3. [1.1] FUKUDA, Hajime - IBE, Masahiro - YANAGIDA, Tsutomu T. Dark matter candidates in a visible heavy QCD axion model. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095017., Registrované v: WOS
4. [1.1] KO, P. - YU, Chaehyun - YUAN, Tzu-Chiang. Probing a new strongly interacting sector via composite diboson resonances. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115034., Registrované v: WOS
5. [1.1] SAHIN, M. - AYDIN, G. - GUNAYDIN, Y.O. Excited quarks production at FCC and SppC pp colliders. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, OCT 20 2019, vol. 34, no. 29., Registrované v: WOS

ADCA992 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDELALIM, A.A. - ABDESSELAM, A. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for new phenomena with the monojet and missing transverse momentum signature using the ATLAS detector in root s=7 TeV proton-proton collisions. In *Physics Letters B*, 2011, vol. 705, no. 4, p. 294-312. (2010: 5.255 - IF, Q1 - JCR, 3.103 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2011.10.006>

Ohlasy:

1. [1.1] DUTTA, Juhi - KONAR, Partha - MONDAL, Subhadeep - MUKHOPADHYAYA, Biswarup - RAI, Santosh Kumar. Search for a compressed supersymmetric spectrum with a light gravitino. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2017, no. 9, art. no. 026., Registrované v: WOS
2. [1.1] ENGLERT, C. - JAECKEL, J. - SPANNOVSKY, M. - STYLIANOU, P. Power meets precision to explore the symmetric Higgs portal. In *PHYSICS LETTERS B*. ISSN 0370-2693, JUL 10 2020, vol. 806., Registrované v: WOS
3. [1.1] The Mono-Jet Analysis. In *SEARCHING FOR DARK MATTER WITH THE ATLAS DETECTOR*. ISSN 2190-5053, 2017, pp. 167-236., Registrované v: WOS

ADCA993 ABULENCIA, A. - ANTOŠ, Jaroslav - LYSÁK, Roman. Search for new physics in lepton plus photon plus X events with 929 pb⁻¹ of pp collisions at root s=1.96 TeV. In *Physical Review D. Particles, fields, gravitation and cosmology*,

2007, vol. 75, no. 11, art. no. 112001. (2006: 4.896 - IF, Q1 - JCR, 2.381 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.75.112001>

Ohlasy:

1. [1.1] GUTIERREZ-RODRIGUEZ, A. - KOKSAL, M. - BILLUR, A. A. Improved bounds on the dipole moments of the tau neutrino from high-energy γ^*e^- and $\gamma^*\gamma^*$ collisions at the ILC and CLIC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 9, art. no. 093008., Registrované v: WOS
2. [1.1] INAN, S. C. Dimension-six anomalous tq gamma couplings in gamma gamma collision at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 897, pp. 289-301., Registrované v: WOS
3. [1.1] KOKSAL, M. - SENOL, A. Search for anomalous quartic WWZ gamma couplings at the future linear e^+e^- collider. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 20, art. no. 1550107., Registrované v: WOS
4. [1.1] MARTINS, D. E. - REBELLO TELES, P. - VILELA PEREIRA, A. - SA BORGES, J. Anomalous Photon-Gauge Boson Coupling Contribution to the Exclusive Vector Boson Pair Production from Two Photon Exchange in pp Collisions at 13 TeV. In DIFFRACTION 2014: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2015, vol. 1654, art. no. 050010., Registrované v: WOS
5. [1.1] SAHIN, I. - KOKSAL, M. - INAN, S. C. - BILLUR, A. A. - SAHIN, B. - TEKTAS, P. - ALICI, E. - YILDIRIM, R. Graviton production through photon-quark scattering at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 035017., Registrované v: WOS
6. [1.1] SENOL, A. - KOKSAL, M. Probe of anomalous quartic WWZ gamma couplings in photon-photon collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 3, art. no. 139., Registrované v: WOS
7. [1.1] SENOL, A. - KOKSAL, M. Analysis of anomalous quartic W Z gamma couplings in gamma p collision at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 742, pp. 143-148., Registrované v: WOS

ADCA994 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for new physics in the dijet mass distribution using 1 fb⁻¹ of pp collision data at $\sqrt{s}=7$ TeV collected by the ATLAS detector. In *Physics Letters B*, 2012, vol. 708, no. 1-2, p. 37-54. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2012.01.035>

Ohlasy:

1. [1.1] BECK, Lana - BLEKMAN, Freya - DOBUR, Didar - FUKS, Benjamin - KEAVENEY, James - MAWATARI, Kentarou. Probing top-philic sgluons with LHC Run I data. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 746, pp. 48-52., Registrované v: WOS
2. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS

3. [1.1] EGANA-UGRINOVIC, D. - HOMILLER, S. - MEADE, P. Higgs bosons with large couplings to light quarks. In PHYSICAL REVIEW D. ISSN 1550-7998, DEC 23 2019, vol. 100, no. 11., Registrované v: WOS
4. [1.1] CHIVUKULA, R. Sekhar - ITTISAMAI, Pawin - MOHAN, Kirtimaan - SIMMONS, Elizabeth H. Color discriminant variable and scalar diquarks at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 075020., Registrované v: WOS
5. [1.1] CHIVUKULA, R. Sekhar - ITTISAMAI, Pawin - SIMMONS, Elizabeth H. Distinguishing flavor nonuniversal colorons from Z' bosons at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055021., Registrované v: WOS
6. [1.1] KOUSOURIS, Konstantinos. Search for physics beyond the Standard Model using jet observables. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 31, art. no. 1546009., Registrované v: WOS
7. [1.1] MARCOS, Cristina - PEIRO, Miguel - ROBLES, Sandra. On the importance of direct detection combined limits for spin independent and spin dependent dark matter interactions. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2016, no. 3, art. no. 019., Registrované v: WOS
8. [1.1] MARTIN LOZANO, Victor - PEIRO, Miguel - SOLER, Pablo. Isospin violating dark matter in Stueckelberg portal scenarios. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 175., Registrované v: WOS
9. [1.1] Search for new phenomena in events with high jet multiplicity and low missing transverse momentum in proton-proton collisions at $\sqrt{s}=8\text{TeV}$. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 770, pp. 257-267., Registrované v: WOS

ADCA995 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Search for New Physics with a Dijet Plus Missing E-T Signature in $p(\bar{p})$ Collisions at $\sqrt{s}=1.96\text{ TeV}$. In *Physical Review Letters*, 2010, vol. 105, no. 13, art. no. 131801. (2009: 7.328 - IF, 6.325 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.105.131801>

Ohlasy:

1. [1.1] CORDERO, F. Febres - REINA, L. Electroweak gauge-boson production in association with b jets at Hadron Colliders. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 16, art. no. 1530042., Registrované v: WOS

ADCA996 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for new resonances decaying to a W or Z boson and a Higgs boson in the $l^{+}l^{-}b(\bar{b})$, $l\nu b(\bar{b})$, and $\nu(\bar{\nu})b(\bar{b})$ channels with pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. In *Physics Letters B*, 2017, vol. 765, p. 32-52. (2016: 4.807 - IF, Q1 - JCR, 3.032 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2016.11.045>

Ohlasy:

1. [1.1] AGASHE, Kaustubh - DU, Peizhi - HONG, Sungwoo. LHC signals for singlet neutrinos from a natural warped seesaw mechanism. I. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075032., Registrované v: WOS
2. [1.1] AGASHE, Kaustubh - DU, Peizhi - HONG, Sungwoo. LHC signals for singlet neutrinos from a natural warped seesaw mechanism. II. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075033., Registrované v: WOS
3. [1.1] BENATO, L. Search for heavy resonances decaying into a vector boson and a Higgs boson in the $(ll, l\nu, \nu\nu) b(b)\overline{b}$ final state. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2017, vol. 40, no. 2, art. no. 87., Registrované v: WOS
4. [1.1] BIAN, Ligong - LEE, Hyun Min - PARK, Chan Beom. B-meson anomalies and Higgs physics in flavored $U(1)'$ model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 306., Registrované v: WOS
5. [1.1] CUI, Yanou - D'ERAMO, Francesco. Surprises from complete vector portal theories: New insights into the dark sector and its interplay with Higgs physics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 095006., Registrované v: WOS
6. [1.1] DOBRESU, Bogdan A. - FOX, Patrick J. - KEARNEY, John. Higgs-photon resonances. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 10, art. no. 704., Registrované v: WOS
7. [1.1] FUNATSU, Shuichiro - HATANAKA, Hisaki - HOSOTANI, Yutaka - ORIKASA, Yuta. Collider signals of W' and Z' bosons in the gauge-Higgs unification. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035032., Registrované v: WOS
8. [1.1] KRAUSE, C. - PICH, A. - ROSELL, I. - SANTOS, J. - SANZ-CILLERO, J.J. Colorful imprints of heavy states in the electroweak effective theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 17 2019, no. 5., Registrované v: WOS
9. [1.1] LANE, Kenneth - PRITCHETT, Lukas. The light composite Higgs boson in strong extended technicolor. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 6, art. no. 140., Registrované v: WOS
10. [1.1] NIEHOFF, Christoph - STANGL, Peter - STRAUB, David M. Electroweak symmetry breaking and collider signatures in the next-to-minimal composite Higgs model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, pp. 1-50., Registrované v: WOS

ADCA997 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for new resonances in events with one lepton and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Physics Letters B*, 2016, vol. 762, p. 334-352. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2016.09.040>

Ohlasy:

1. [1.1] ALVES, Alexandre - ARCADI, Giorgio - DONG, P. V. -

- DUARTE, Laura - QUEIROZ, Farinaldo S. - VALLE, Jose W. F. Matter-parity as a residual gauge symmetry: Probing a theory of cosmological dark matter. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 772, pp. 825-831., Registrované v: WOS
2. [1.1] BAUER, Martin - HAISCH, Ulrich - KAHLHOEFER, Felix. Simplified dark matter models with two Higgs doublets: I. Pseudoscalar mediators. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 5, art. no. 138., Registrované v: WOS
3. [1.1] BRIVIO, I. - GAVELA, M. B. - MERLO, L. - MIMASU, K. - NO, J. M. - DEL REY, R. - SANZ, V. ALPs effective field theory and collider signatures. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 8, art. no. 572., Registrované v: WOS
4. [1.1] BUCCIONI, F. - CAOLA, F. - DELTO, M. - JAQUIER, M. - MELNIKOV, K. - RONTSCH, R. Mixed QCD-electroweak corrections to on-shell Z production at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS
5. [1.1] BUONOCORE, L. - HAISCH, U. - NASON, P. - TRAMONTANO, F. - ZANDERIGHI, G. Lepton-Quark Collisions at the Large Hadron Collider. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, DEC 2 2020, vol. 125, no. 23., Registrované v: WOS
6. [1.1] FUNATSU, Shuichiro - HATANAKA, Hisaki - HOSOTANI, Yutaka - ORIKASA, Yuta. Collider signals of W ' and Z ' bosons in the gauge-Higgs unification. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035032., Registrované v: WOS
7. [1.1] LINDNER, Manfred - PLATSCHER, Moritz - QUEIROZ, Farinaldo S. A call for new physics: The muon anomalous magnetic moment and lepton flavor violation. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2018, vol. 731, pp. 1-82., Registrované v: WOS

ADCA998 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABED ABUD, A. - ABELING, K. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVA, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for new resonances in mass distributions of jet pairs using 139 fb(-1) of pp collisions at root s=13TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2020, no. 3, art. no. 145. (2019: 5.875 - IF, Q1 - JCR, 0.948 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP03\(2020\)145](https://doi.org/10.1007/JHEP03(2020)145)

Ohlasy:

1. [1.1] BHATTIPROLU, P.N. - MARTIN, S.P. Signal-background interference for digluon resonances at the Large Hadron Collider. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 16 2020, vol. 102, no. 1., Registrované v: WOS
2. [1.1] BORAH, D. - DASGUPTA, A. - MAJUMDAR, C. - NANDA, D. Observing left-right symmetry in the cosmic microwave background. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 26 2020, vol. 102, no. 3., Registrované v: WOS
3. [1.1] BUONOCORE, L. - HAISCH, U. - NASON, P. - TRAMONTANO, F. - ZANDERIGHI, G. Lepton-Quark Collisions at the Large Hadron Collider. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, DEC 2

2020, vol. 125, no. 23., Registrované v: WOS

4. [1.1] HOOK, A. - KUMAR, S. - LIU, Z. - SUNDRUM, R. High Quality QCD Axion and the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, JUN 1 2020, vol. 124, no. 22., Registrované v: WOS

ADCA999 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol.

Search for new resonances in W gamma and Z gamma final states in pp collisions at root s=8 TeV with the ATLAS detector. In *Physics Letters B*, 2014, vol. 738, p. 428-447. (2013: 6.019 - IF, Q1 - JCR, 3.707 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2014>

Ohlasy:

1. [1.1] AGARWAL, Bakul - ISAACSON, Joshua - MOHAN, Kirtimaan A. Minimal dilaton model and the diphoton excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035027., Registrované v: WOS

2. [1.1] AHRICHE, Amine - FAISEL, Gaber - NASRI, Salah - TANDEAN, Jusak. Exploring high-mass diphoton resonance without new colored states. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 916, pp. 64-93., Registrované v: WOS

3. [1.1] ALTMANNSHOFER, Wolfgang - GALLOWAY, Jamison - GORI, Stefania - KAGAN, Alexander L. - MARTIN, Adam - ZUPAN, Jure. 750 GeV diphoton excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 095015., Registrované v: WOS

4. [1.1] ALVAREZ, Ezequiel - DA ROLD, Leandro - MAZZITELLI, Javier - SZYNKMAN, Alejandro. Graviton resonance phenomenology and a pseudo-Nambu-Goldstone boson Higgs at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115012., Registrované v: WOS

5. [1.1] ARCADI, Giorgio - GHOSH, Pradipta - MAMBRINI, Yann - PIERRE, Mathias. Re-opening dark matter windows compatible with a diphoton excess. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2016, no. 7, art. no. 005., Registrované v: WOS

6. [1.1] BACKOVIC, Mihailo - KULKARNI, Suchita - MARIOTTI, Alberto - SESSOLA, Enrico Maria - SPANNOVSKY, Michael. Cornering diphoton resonance models at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 8, art. no. 018., Registrované v: WOS

7. [1.1] BACKOVIC, Mihailo - MARIOTTI, Alberto - REDIGOLO, Diego. Di-photon excess illuminates dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 157., Registrované v: WOS

8. [1.1] BARDUCCI, Daniele - GOUDELIS, Andreas - KULKARNI, Suchita - SENGUPTA, Dipan. One jet to rule them all: monojet constraints and invisible decays of a 750 GeV diphoton resonance. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 154., Registrované v: WOS

9. [1.1] BATELL, Brian - JUNG, Sunghoon. Probing light stops with stoponium. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 7, art. no. 061., Registrované v: WOS

10. [1.1] BAUER, Martin - BUTTER, Anja - GONZALEZ-FRAILE, J. - PLEHN, Tilman - RAUCH, Michael. Learning from a Higgs-like scalar

- resonance. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055011., Registrované v: WOS
11. [1.1] BAUER, Martin - HOERNER, Clara - NEUBERT, Matthias. Diphoton resonance from a warped extra dimension. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art. no. 094., Registrované v: WOS
12. [1.1] BAUER, Martin - NEUBERT, Matthias. Flavor anomalies, the 750 GeV diphoton excess, and a dark matter candidate. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115030., Registrované v: WOS
13. [1.1] BELLAZZINI, Brando - FRANCESCHINI, Roberto - SALA, Filippo - SERRA, Javi. Goldstones in diphotons. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 072., Registrované v: WOS
14. [1.1] BELYAEV, Alexander - CACCIAPAGLIA, Giacomo - CAI, Haiying - FLACKE, Thomas - PAROLINI, Alberto - SERODIO, Hugo. Singlets in composite Higgs models in light of the LHC 750 GeV diphoton excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015004., Registrované v: WOS
15. [1.1] BELYAEV, Alexander - CACCIAPAGLIA, Giacomo - CAI, Haiying - FERRETTI, Gabriele - FLACKE, Thomas - PAROLINI, Alberto - SERODIO, Hugo. Di-boson signatures as standard candles for partial compositeness. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 1, art. no. 094., Registrované v: WOS
16. [1.1] BENERJEE, Shankha - BARDUCCI, Daniele - BELANGER, Genevieve - DELAUNAY, Cedric. Implications of a high-mass diphoton resonance for heavy quark searches. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 11, art. no. 154., Registrované v: WOS
17. [1.1] BERLIN, Asher. Diphoton and diboson excesses in a left-right symmetric theory of dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055015., Registrované v: WOS
18. [1.1] BERNON, Jeremy - SMITH, Christopher. Could the width of the diphoton anomaly signal a three-body decay? In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 757, pp. 148-153., Registrované v: WOS
19. [1.1] BERTHIER, Laure - CLINE, James M. - SHEPHERD, William - TROTT, Michael. Effective interpretations of a diphoton excess. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 084., Registrované v: WOS
20. [1.1] BIEKOETTER, Anke - HEWETT, JoAnne L. - KIM, Jong Soo - KRAEMER, Michael - RIZZO, Thomas G. - ROLBIECKI, Krzysztof - TATTERSALL, Jamie - WEBER, Torsten. Complementarity of resonant scalar, vector-like quark and superpartner searches in elucidating new phenomena. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 5, art. no. 1750032., Registrované v: WOS
21. [1.1] BIEKOTTER, A. - CHALA, M. - SPANNOWSKY, M. The effective field theory of low scale see-saw at colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 14 2020, vol. 80, no. 8., Registrované v: WOS
22. [1.1] BOLANOS, A. - DIAZ-CRUZ, J. L. - HERNANDEZ-TOME, G. - TAVARES-VELASCO, G. Has a Higgs-flavon with a 750 GeV mass been

- detected at the LHC13? In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 761, pp. 310-317., Registrované v: WOS
23. [1.1] BURDMAN, Gustavo - CHACKO, Zackaria - HARNIK, Roni - DE LIMA, Leonardo - VERHAAREN, Christopher B. Colorless top partners, a 125 GeV Higgs boson, and the limits on naturalness. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055007., Registrované v: WOS
24. [1.1] BURDMAN, Gustavo - LICHTENSTEIN, Gabriela. Displaced vertices from hidden glue. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 146., Registrované v: WOS
25. [1.1] CAMPBELL, John M. - NEUMANN, Tobias - WILLIAMS, Ciaran. Z gamma production at NNLO including anomalous couplings. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 11, art. no. 150., Registrované v: WOS
26. [1.1] CAO, Junjie - HAN, Chengcheng - SHANG, Liangliang - SU, Wei - YANG, Jin Min - ZHANG, Yang. Interpreting the 750 GeV diphoton excess by the singlet extension of the Manohar-Wise model. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 755, pp. 456-463., Registrované v: WOS
27. [1.1] CAPDEVILLA, R. - HARNIK, R. - MARTIN, A. The radiation valley and exotic resonances in W gamma production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 20 2020, no. 3., Registrované v: WOS
28. [1.1] COX, Peter - MEDINA, Anibal D. - RAY, Tirtha Sankar - SPRAY, Andrew. Novel collider and dark matter phenomenology of a top-philic Z'. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 6, art. no. 110., Registrované v: WOS
29. [1.1] COX, Peter - MEDINA, Anibal D. - RAY, Tirtha Sankar - SPRAY, Andrew. Implications of diphoton searches for a radion in the bulk-Higgs scenario. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 4, art. no. 1750020., Registrované v: WOS
30. [1.1] CURTIN, David - VERHAAREN, Christopher B. Quirky explanations for the diphoton excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055011., Registrované v: WOS
31. [1.1] DAVOUDIASL, Hooman - ZHANG, Cen. 750 GeV messenger of dark conformal symmetry breaking. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055006., Registrované v: WOS
32. [1.1] DAWSON, S. - LEWIS, I. M. Singlet model interference effects with high scale UV physics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015004., Registrované v: WOS
33. [1.1] DENNER, Ansgar - DITTMAIER, Stefan - HECHT, Markus - PASOLD, Christian. NLO QCD and electroweak corrections to W plus gamma production with leptonic W-boson decays. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 018., Registrované v: WOS
34. [1.1] DENNER, Ansgar - DITTMAIER, Stefan - HECHT, Markus - PASOLD, Christian. NLO QCD and electroweak corrections to Z plus gamma production with leptonic Z-boson decays. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 2, art. no. 057., Registrované v: WOS
35. [1.1] DEV, P. S. Bhupal - MOHAPATRA, Rabindra N. - ZHANG, Yongchao. Quark seesaw, vectorlike fermions and diphoton excess. In

- JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 2, art. no. 186., Registrované v: WOS
36. [1.1] DI CHIARA, Stefano - HEKTOR, Andi - KANNIKE, Kristjan - MARZOLA, Luca - RAIDAL, Martti. Large loop-coupling enhancement of a heavy pseudoscalar from a light dark sector. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 917, pp. 31-43., Registrované v: WOS
37. [1.1] DING, Ran - HAN, Zhi-Long - LIAO, Yi - MA, Xiao-Dong. Interpretation of 750 GeV diphoton excess at LHC in singlet extension of color-octet neutrino mass model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, art. no. 204., Registrované v: WOS
38. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS
39. [1.1] D'ERAMO, Francesco - DE VRIES, Jordy - PANCI, Paolo. A 750 GeV portal: LHC phenomenology and dark matter candidates. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 089., Registrované v: WOS
40. [1.1] ELLIS, John - ELLIS, Sebastian A. R. - QUEVILLON, Jeremie - SANZ, Veronica - YOU, Tevong. On the interpretation of a possible similar to 750 GeV particle decaying into gamma gamma. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 176., Registrované v: WOS
41. [1.1] FALKOWSKI, Adam - SLONE, Oren - VOLANSKY, Tomer. Phenomenology of a 750 GeV singlet. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 2, art. no. 152., Registrované v: WOS
42. [1.1] FLACKE, Thomas. Searching for composite Higgs models at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 19, art. no. 1630026., Registrované v: WOS
43. [1.1] FRANCESCHINI, Roberto - GIUDICE, Gian F. - KAMENIK, Jernej F. - MCCULLOUGH, Matthew - POMAROL, Alex - RATTAZZI, Riccardo - REDI, Michele - RIVA, Francesco - STRUMIA, Alessandro - TORRE, Riccardo. What is the gamma gamma resonance at 750 GeV? In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 144., Registrované v: WOS
44. [1.1] GENG, Chao-Qiang - HUANG, Da. Note on spin-2 particle interpretation of the 750 GeV diphoton excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115032., Registrované v: WOS
45. [1.1] GEORGI, Howard - NAKAI, Yuichiro. Diphoton resonance from a new strong force. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075005., Registrované v: WOS
46. [1.1] GE, Shao-Feng - HE, Hong-Jian - REN, Jing - XIANYU, Zhong-Zhi. Realizing dark matter and Higgs inflation in light of LHC diphoton excess. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 757, pp. 480-492., Registrované v: WOS
47. [1.1] GRAZZINI, Massimiliano - KALLWEIT, Stefan - RATHLEV, Dirk. W gamma and Z gamma production at the LHC in NNLO QCD. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 7, art. no. 085., Registrované v: WOS
48. [1.1] GUPTA, Rick S. - JAGER, Sebastian - KATS, Yevgeny - PEREZ, Gilad - STAMOU, Emmanuel. Interpreting a 750 GeV diphoton

- resonance. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art. no. 145., Registrované v: WOS
49. [1.1] HALL, Lawrence J. - HARIGAYA, Keisuke - NOMURA, Yasunori. 750 GeV diphotons: implications for supersymmetric unification. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 017., Registrované v: WOS
50. [1.1] HAN, Chengcheng - ICHIKAWA, Koji - MATSUMOTO, Shigeki - NOJIRI, Mihoko M. - TAKEUCHI, Michihisa. Heavy fermion bound states for diphoton excess at 750 GeV collider and cosmological constraints. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 159., Registrované v: WOS
51. [1.1] HAN, Xiao-Fang - WANG, Lei - YANG, Jin Min. An extension of two-Higgs-doublet model and the excesses of 750 GeV diphoton, muon $g-2$ and $h \rightarrow \mu \tau$. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 757, pp. 537-547., Registrované v: WOS
52. [1.1] HAN, Xiao-Fang - WANG, Lei - WU, Lei - YANG, Jin Min - ZHANG, Mengchao. Explaining 750 GeV diphoton excess from top/bottom partner cascade decay in two-Higgs-doublet model extension. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 756, pp. 309-316., Registrované v: WOS
53. [1.1] HARIGAYA, Keisuke - NOMURA, Yasunori. Composite models for the 750 GeV diphoton excess. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 754, pp. 151-156., Registrované v: WOS
54. [1.1] HIGAKI, Tetsutaro - JEONG, Kwang Sik - KITAJIMA, Naoya - TAKAHASHI, Fuminobu. The QCD axion from aligned axions and diphoton excess. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 755, pp. 13-16., Registrované v: WOS
55. [1.1] HUANG, Xian-Jun - ZHANG, Wei-Hong - ZHOU, Yu-Feng. Connecting the LHC diphoton excess to the Galactic Center gamma-ray excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035019., Registrované v: WOS
56. [1.1] HUANG, Xian-Jun - ZHANG, Wei-Hong - ZHOU, Yu-Feng. 750 GeV diphoton excess and a dark matter messenger at the Galactic Center. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115006., Registrované v: WOS
57. [1.1] CHALA, Mikael - GROJEAN, Christophe - RIEMBAU, Marc - VANTALON, Thibaud. Deciphering the CP nature of the 750 GeV resonance. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 760, pp. 220-227., Registrované v: WOS
58. [1.1] CHIANG, Cheng-Wei - KUO, An-Li. Can the 750-GeV diphoton resonance be the singlet Higgs boson of custodial Higgs triplet model? In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 760, pp. 634-640., Registrované v: WOS
59. [1.1] CHIANG, Cheng-Wei - IBE, Masahiro - YANAGIDA, Tsutomu T. Revisiting scalar quark hidden sector in light of 750-GeV diphoton resonance. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 084., Registrované v: WOS
60. [1.1] CHIVUKULA, R. Sekhar - FARZINNIA, Arsham - MOHAN, Kirtimaan - SIMMONS, Elizabeth H. Diphoton resonances in the renormalizable coloron model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no.

3, art. no. 035018., Registrované v: WOS

61. [1.1] CHOWDHURY, Debtosh - EBERHARDT, Otto. Update of global Two-Higgs-Doublet model fits. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 161., Registrované v: WOS

62. [1.1] IBANEZ, Luis E. - MARTIN-LOZANO, Victor. A megaxion at 750 GeV as a first hint of low scale string theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art. no. 021., Registrované v: WOS

63. [1.1] ITO, Hayato - MOROI, Takeo. Production and decay of the diphoton resonance at future $e(+)e(-)$ colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015021., Registrované v: WOS

64. [1.1] KAMENIK, Jernej F. - REDI, Michele. Back to 1974: The Q-onium. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 760, pp. 158-163., Registrované v: WOS

65. [1.1] KAMENIK, Jernej F. - SAFDI, Benjamin R. - SOREQ, Yotam - ZUPAN, Jure. Comments on the diphoton excess: critical reappraisal of effective field theory interpretations. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art. no. 042., Registrované v: WOS

66. [1.1] KANEMURA, Shinya - NISHIWAKI, Kenji - OKADA, Hiroshi - ORIKASA, Yuta - PARK, Seong Chan - WATANABE, Ryouitaro. LHC 750 GeV diphoton excess in a radiative seesaw model. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2016, no. 12, art. no. 123B04., Registrované v: WOS

67. [1.1] KANG, Sin Kyu - SONG, Jeonghyeon. Top-phobic heavy Higgs boson as the 750 GeV diphoton resonance. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115012., Registrované v: WOS

68. [1.1] KATS, Yevgeny - STRASSLER, Matthew J. Resonances from QCD bound states and the 750 GeV diphoton excess. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 092., Registrované v: WOS

69. [1.1] KAWAMURA, Junichiro - OMURA, Yuji. Diphoton excess at 750 GeV and LHC constraints in models with vectorlike particles. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115011., Registrované v: WOS

70. [1.1] KEUS, Venus - KOIVUNENA, Niko - TUOMINENA, Kimmo. Singlet scalar and 2HDM extensions of the Standard Model: CP-violation and constraints from $(g-2)(\mu)$ and eEDM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 059., Registrované v: WOS

71. [1.1] KNAPEN, Simon - MELIA, Tom - PAPUCCI, Michele - ZUREK, Kathryn M. Rays of light from the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075020., Registrované v: WOS

72. [1.1] KOBAKHIDZE, Archil - MCDONALD, Kristian L. - WU, Lei - YUE, Jason. Warped graviton couplings to bulk vectors with brane-localized kinetic terms. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 33, art. no. 1745004., Registrované v: WOS

73. [1.1] KO, P. - OMURA, Yuji - YU, Chaehyun. Diphoton excess at 750 GeV in leptophobic $U(1)'$ model inspired by E-6 GUT. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 098., Registrované v: WOS

74. [1.1] LIAO, Wei - ZHENG, Han-Qing. Scalar Resonance at 750 GeV

- as Composite of Heavy Vector-Like Fermions. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2016, vol. 66, no. 2, pp. 219-223., Registrované v: WOS
75. [1.1] LIU, Ning - WANG, Wenyu - ZHANG, Mengchao - ZHENG, Rui. 750 GeV diphoton resonance in a vector-like extension of Hill model at a 100 TeV hadron collider. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 25, art. no. 1650145., Registrované v: WOS
76. [1.1] LI, Gang - MAO, Ying-nan - TANG, Yi-Lei - ZHANG, Chen - ZHOU, Yang - ZHU, Shou-hua. Pseudoscalar Decaying Only via Loops as an Explanation for the 750 GeV Diphoton Excess. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 15, art. no. 151803., Registrované v: WOS
77. [1.1] LOW, Matthew - TESI, Andrea - WANG, Lian-Tao. A pseudoscalar decaying to photon pairs in the early LHC Run 2 data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 108., Registrované v: WOS
78. [1.1] MATSUZAKI, Shinya - YAMAWAKI, Koichi. 750 GeV diphoton signal from one-family walking technipion. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 17, art. no. 1630016., Registrované v: WOS
79. [1.1] MCDERMOTT, Samuel D. - MEADE, Patrick - RAMANI, Harikrishnan. Singlet scalar resonances and the diphoton excess. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 755, pp. 353-357., Registrované v: WOS
80. [1.1] MODAK, Tanmoy - SADHUKHAN, Soumya - SRIVASTAVA, Rahul. 750 GeV diphoton excess from gauged B L symmetry. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 756, pp. 405-412., Registrované v: WOS
81. [1.1] MOLINARO, Emiliano - SANNINO, Francesco - VIGNAROLI, Natascia. Minimal composite dynamics versus axion origin of the diphoton excess. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 26, art. no. 1650155., Registrované v: WOS
82. [1.1] NAKAI, Yuichiro - SATO, Ryosuke - TOBIOKA, Kohsaku. Footprints of New Strong Dynamics via Anomaly and the 750 GeV Diphoton. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 15, art. no. 151802., Registrované v: WOS
83. [1.1] PARK, Jong-Chul - PARK, Seong Chan. Indirect signature of dark matter with the diphoton resonance at 750 GeV. In PHYSICS OF THE DARK UNIVERSE. ISSN 2212-6864, 2016, vol. 14, pp. 4-10., Registrované v: WOS
84. [1.1] PETERSSON, Christoffer - TORRE, Riccardo. 750 GeV Diphoton Excess from the Goldstino Superpartner. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 15, art. no. 151804., Registrované v: WOS
85. [1.1] PETERSSON, Christoffer - TORRE, Riccardo. ATLAS diboson excess from low scale supersymmetry breaking. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 1, art. no. 099., Registrované v: WOS
86. [1.1] SONG, J. - YOON, Y.W. W gamma decay of the elusive

charged Higgs boson in the two-Higgs-doublet model with vectorlike fermions. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 6 2019, vol. 100, no. 5., Registrované v: WOS

87. [1.1] STOLARSKI, Daniel - VEGA-MORALES, Roberto. Probing a virtual diphoton excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055008., Registrované v: WOS

88. [1.1] WIESEMANN, M. - ROTTOLI, L. - TORRIELLI, P. The Z gamma transverse-momentum spectrum at NNLO+(NLL)-L-3. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS

89. [1.1] YOON, Yeo Woong - CHEUNG, Kingman - KANG, Sin Kyu - SONG, Jeonghyeon. Radiative decays of a singlet scalar boson through vectorlike quarks. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 055041., Registrované v: WOS

ADCA1000 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for nonpointing and delayed photons in the diphoton and missing transverse momentum final state in 8 TeV pp collisions at the LHC using the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2014, vol. 90, no. 11, art. no. 112005. (2013: 4.864 - IF, Q1 - JCR, 2.482 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.90.112005>

Ohlasy:

1. [1.1] BHATTACHERJEE, B. - MUKHERJEE, S. - SENGUPTA, R. - SOLANKI, P. Triggering long-lived particles in HL-LHC and the challenges in the first stage of the trigger system. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 27 2020, no. 8., Registrované v: WOS

2. [1.1] BRIANZA, L. - CAVALLARI, F. - DEL RE, D. - GELLI, S. - GHEZZI, A. - GOTTI, C. - GOVONI, P. - LOPEZ, C. Jorda - MARTELLI, A. - MARZOCCHI, B. - MERIDIANI, P. - ORGANTINI, G. - PARAMATTI, R. - PERNIE, L. - PIGAZZINI, S. - RAHATLOU, S. - ROVELLI, C. - SANTANASTASIO, F. - DE FATIS, T. Tabarelli - TREVISANI, N. Response of microchannel plates to single particles and to electromagnetic showers. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2015, vol. 797, pp. 216-221., Registrované v: WOS

3. [1.1] DE OLIVEIRA, L. - NACHMAN, B. - PAGANINI, M. Electromagnetic showers beyond shower shapes. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, JAN 21 2020, vol. 951., Registrované v: WOS

4. [1.1] DOMINGO, F. - KIM, J.S. - LOZANO, V.M. - MARTIN-RAMIRO, P. - DE AUSTRI, R.R. Confronting the neutralino and chargino sector of the NMSSM with the multilepton searches at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 8 2020, vol. 101, no. 7., Registrované v: WOS

5. [1.1] DUARTE, Lucia - PERESSUTTI, Javier - SAMPAYO, Oscar A. Majorana neutrino decay in an effective approach. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 093002., Registrované v: WOS

6. [1.1] DUARTE, Lucia - PERESSUTTI, Javier - SAMPAYO, Oscar A. Not-that-heavy Majorana neutrino signals at the LHC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 2, art. no. 025001., Registrované v: WOS
7. [1.1] ENGLERT, Christoph - JAECKEL, Joerg. Getting stuck! Using monosignatures to test highly ionizing particles. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 769, pp. 513-519., Registrované v: WOS
8. [1.1] GAO, C. - NEILL, N.A. Probing exotic triple Higgs couplings at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 19 2020, no. 5., Registrované v: WOS
9. [1.1] IWAMOTO, Sho - LEE, Gabriel - SHADMI, Yael - ZIEGLER, Robert. Diphoton signals from colorless hidden quarkonia. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015003., Registrované v: WOS
10. [1.1] IZAGUIRRE, Eder - KRNJAIC, Gordan - SHUVE, Brian. Discovering inelastic thermal relic dark matter at colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 6, art. no. 063523., Registrované v: WOS
11. [1.1] KIM, Jong Soo - KRAUSS, Manuel E. - LOZANO, Victor Martin. Probing the electroweakino sector of general gauge mediation at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 150-157., Registrované v: WOS
12. [1.1] KIM, J.S. - KRAUSS, M.E. - LOZANO, V.M. - STAUB, F. Illuminating stealth scenarios at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 25 2020, vol. 101, no. 3., Registrované v: WOS
13. [1.1] KIM, J.S. - POKORSKI, S. - ROLBIECKI, K. - SAKURAI, K. Gravitino vs. neutralino LSP at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 11 2019, no. 9., Registrované v: WOS
14. [1.1] REDINO, C. S. - WACKEROTH, D. Exploring the hadronic axion window via delayed neutralino decay to axinos at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075022., Registrované v: WOS
15. [1.1] SERRA, J. - STELZL, S. - TORRE, R. - WEILER, A. Hypercharged naturalness. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 7 2019, no. 10., Registrované v: WOS
16. [1.1] SMARANDA, D.D. - MILLER, D.J. Scherk-Schwarz orbifolds at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS
17. [1.1] TSAI, Yuhsin. Collider Study on The Loop-Induced Dark Matter Mediation. In CETUP 2015 WORKSHOP ON DARK MATTER, NEUTRINO PHYSICS AND ASTROPHYSICS & PPC 2015 IXTH INTERNATIONAL CONFERENCE ON INTERCONNECTIONS BETWEEN PARTICLE PHYSICS AND COSMOLOGY. ISSN 0094-243X, 2016, vol. 1743, art. no. 020014., Registrované v: WOS

ADCA1001 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for nonpointing photons in the diphoton and E-T(miss) final state in root s=7 TeV proton-proton collisions using the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2013, vol. 88, no. 1, art. no. 012001. (2012: 4.691

- IF, Q1 - JCR, 2.725 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.88.012001>

Ohlasy:

1. [1.1] DUARTE, Lucia - PERESSUTTI, Javier - SAMPAYO, Oscar A. Not-that-heavy Majorana neutrino signals at the LHC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 2, art. no. 025001., Registrované v: WOS
2. [1.1] DUARTE, Lucia - ROMERO, Ismael - PERESSUTTI, Javier - SAMPAYO, Oscar A. Effective Majorana neutrino decay. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 8, art. no. 453., Registrované v: WOS
3. [1.1] GIUBEGA, L.E. Soft QCD and CEP at LHCb. In XIII INTERNATIONAL CONFERENCE ON BEAUTY, CHARM AND HYPERON HADRONS (BEACH 2018). ISSN 1742-6588, 2019, vol. 1137., Registrované v: WOS

ADCA1002 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for pair and single production of new heavy quarks that decay to a Z boson and a third-generation quark in pp collisions at root s=8 TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2014, vol. 2014, no. 11, art. no. 104. (2013: 6.220 - IF, Q1 - JCR, 1.173 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP11\(2014\)104](https://doi.org/10.1007/JHEP11(2014)104)

Ohlasy:

1. [1.1] BACKOVIC, Mihailo - FLACKE, Thomas - KIM, Jeong Han - LEE, Seung J. Discovering heavy new physics in boosted Z channels: $Z \rightarrow l^{(+)}l^{(-)}$ vs $Z \rightarrow \nu(\nu)$ over-tilde. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 011701., Registrované v: WOS
2. [1.1] CAI, Yi - GARCIA, Juan Herrero - SCHMIDT, Michael A. - VICENTE, Avelino - VOLKAS, Raymond R. From the Trees to the Forest: A Review of Radiative Neutrino Mass Models. In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2017, vol. 5, art. no. 63., Registrované v: WOS
3. [1.1] CRAIG, Nathaniel - KNAPEN, Simon - LONGHI, Pietro. Neutral Naturalness from Orbifold Higgs Models. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 6, art. no. 061803., Registrované v: WOS
4. [1.1] DAWSON, S. - LEWIS, I. M. - ZENG, Mao. Usefulness of effective field theory for boosted Higgs production. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 7, art. no. 074012., Registrované v: WOS
5. [1.1] EASA, H. - GREGOIRE, T. - STOLARSKI, D. New limits on coloured three jet resonances. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 21 2020, no. 9., Registrované v: WOS
6. [1.1] FLACKE, Thomas. Search strategies for vector-like quark partners at LHC run-II. In XLVI INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2016). ISSN 2100-014X, 2017, vol. 141, art. no. UNSP 02002., Registrované v: WOS
7. [1.1] FUKS, Benjamin - SHAO, Hua-Sheng. QCD next-to-leading-order predictions matched to parton showers for vector-like quark models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol.

- 77, no. 2, art. no. 135., Registrované v: WOS
8. [1.1] FUKUDA, Hajime - IBE, Masahiro - YANAGIDA, Tsutomu T. Dark matter candidates in a visible heavy QCD axion model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095017., Registrované v: WOS
9. [1.1] GOPALAKRISHNA, Shrihari - MUKHERJEE, Tuhin Subhra - SADHUKHAN, Soumya. Status and prospects of the two-Higgs-doublet SU(6)/Sp(6) little-Higgs model and the alignment limit. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015034., Registrované v: WOS
10. [1.1] GUTIERREZ-RODRIGUEZ, A. - HERNANDEZ-RUIZ, M. A. Probing the Z' resonance and the Higgs boson production and decay in a SU(3)(L) circle times U(1)(N) model at future e(+) e(-) colliders. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 9, art. no. 352., Registrované v: WOS
11. [1.1] HAMADA, Yuta - KAWAI, Hikaru - KAWANA, Kiyoharu - TSUMURA, Koji. Models of the LHC diphoton excesses valid up to the Planck scale. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 014007., Registrované v: WOS
12. [1.1] HAMAGUCHI, Koichi - LIEW, Seng Pei - STOLL, Martin. How to decontaminate overlapping fat jets. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 015012., Registrované v: WOS
13. [1.1] CHALA, Mikael - GROBER, Ramona - SPANNOVSKY, Michael. Searches for vector-like quarks at future colliders and implications for composite Higgs models with dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 040., Registrované v: WOS
14. [1.1] CHIANG, Cheng-Wei - FUKUDA, Hajime - IBE, Masahiro - YANAGIDA, Tsutomu T. 750 GeV diphoton resonance in a visible heavy QCD axion model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 095016., Registrované v: WOS
15. [1.1] CHIVUKULA, R. Sekhar - FARZINNIA, Arsham - SIMMONS, Elizabeth H. Vacuum stability and triviality analyses of the renormalizable coloron model. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 055002., Registrované v: WOS
16. [1.1] OHMER, S. Spontaneous CP violation and the strong CP problem in left-right symmetric theories. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 25 2019, vol. 99, no. 11., Registrované v: WOS
17. [1.1] ZIDI, Mohamed Sadek. NLO QCD corrections to single vector-like top partner production in association with top quark at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 123., Registrované v: WOS

ADCA1003 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for pair and single production of vectorlike quarks in final states with at least one Z boson decaying into a pair of electrons or muons in pp collision data collected with the ATLAS detector at root s=13 TeV. In *Physical Review D*, 2018, vol. 98, no. 11, art. no. 112010. (2017: 4.394 - IF, Q1 - JCR, 1.801 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.98.112010>

Ohlasy:

1. [1.1] DAS, K. - MONDAL, T. - RAI, S.K. Nonstandard signatures of vectorlike quarks in a leptophobic 221 model. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 4 2019, vol. 99, no. 11., Registrované v: WOS
2. [1.1] DILLON, B.M. Neutral naturalness from a holographic SO(6)/SO(5) composite Higgs model. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 6 2019, vol. 99, no. 11., Registrované v: WOS
3. [1.1] HERNANDEZ, A.E.C. - GONZALEZ, J.M. - SALDANA-SALAZAR, U.J. Viable low-scale model with universal and inverse seesaw mechanisms. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 26 2019, vol. 100, no. 3., Registrované v: WOS
4. [1.1] KIM, J.H. - LANE, S.D. - LEE, H.S. - LEWIS, I.M. - SULLIVAN, M. Searching for dark photons with maverick top partners. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 28 2020, vol. 101, no. 3., Registrované v: WOS
5. [1.1] RAISSI, D.H. - TIZCHANG, S. - NAJAFABADI, M.M. Loop induced singlet scalar production through the vector like top quark at future lepton colliders. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JUL 2020, vol. 47, no. 7., Registrované v: WOS
6. [1.1] SHANG, L.L. - WEI, W. - YANG, B.F. Search for vector -like T quark through the channel at e⁺e⁻ collider. In NUCLEAR PHYSICS B. ISSN 0550-3213, JUN 2020, vol. 955., Registrované v: WOS
7. [1.1] SONG, J. - YOON, Y.W. W gamma decay of the elusive charged Higgs boson in the two-Higgs-doublet model with vectorlike fermions. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 6 2019, vol. 100, no. 5., Registrované v: WOS

ADCA1004 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for Pair Production of a Heavy Up-Type Quark Decaying to a W Boson and a b Quark in the lepton plus jets Channel with the ATLAS Detector. In *Physical Review Letters*, 2012, vol. 108, no. 26, art. no. 261802. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

1. [1.1] GIRDHAR, Aarti - MUKHOPADHYAYA, Biswarup - PATRA, Monalisa. Distinguishing signatures of top- and bottom-type heavy vectorlike quarks at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055015., Registrované v: WOS

ADCA1005 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for Pair Production of a New b' Quark that Decays into a Z Boson and a Bottom Quark with the ATLAS Detector. In *Physical Review Letters*, 2012, vol. 109, no. 7, art. no. 071801. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

1. [1.1] HUANG, Weicong - TANG, Yi-Lei. Flavor anomalies at the LHC and the R-parity violating supersymmetric model extended with vectorlike particles. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art.

no. 094015., Registrované v: WOS

2. [1.1] YU, Li - LI, Ling - MEDEIROS, L. Jeffrey - YOUNG, Ken H. NF-kappa B signaling pathway and its potential as a target for therapy in lymphoid neoplasms. In BLOOD REVIEWS. ISSN 0268-960X, 2017, vol. 31, no. 2, pp. 77-92., Registrované v: WOS

ADCA1006 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for pair production of a new heavy quark that decays into a W boson and a light quark in pp collisions at root s=8 TeV with the ATLAS detector. In *Physical Review D*, 2015, vol. 92, no. 11, art. no. 112007. (2014: 4.643 - IF, Q1 - JCR, 2.414 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.92.112007>

Ohlasy:

1. [1.1] ABBAS, Gauhar. Low scale left-right-right-left symmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015029., Registrované v: WOS

2. [1.1] ALONSO, Rodrigo - COX, Peter - HAN, Chengcheng - YANAGIDA, Tsutomu T. Flavoured B L local symmetry and anomalous rare B decays. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 774, pp. 643-648., Registrované v: WOS

3. [1.1] BAR-SHALOM, Shaouly - SONI, Amarjit. Chiral heavy fermions in a two Higgs doublet model: 750 GeV resonance or not. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 766, pp. 1-10., Registrované v: WOS

4. [1.1] BOTELLA, Francisco J. - BRANCO, G. C. - NEBOT, Miguel - REBELO, M. N. - SILVA-MARCOS, J. I. Vector-like quarks at the origin of light quark masses and mixing. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 6, art. no. 408., Registrované v: WOS

5. [1.1] CAI, Yi - GARCIA, Juan Herrero - SCHMIDT, Michael A. - VICENTE, Avelino - VOLKAS, Raymond R. From the Trees to the Forest: A Review of Radiative Neutrino Mass Models. In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2017, vol. 5, art. no. 63., Registrované v: WOS

6. [1.1] DAS, Dipankar - KUNDU, Anirban - SAHA, Ipsita. Higgs data does not rule out a sequential fourth generation with an extended scalar sector. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 011701., Registrované v: WOS

7. [1.1] DAVOUDIASL, Hooman - GIARDINO, Pier Paolo - ZHANG, Cen. Asymmetric dark matter in extended exo-Higgs scenarios. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 772, pp. 512-516., Registrované v: WOS

8. [1.1] DI CHIARA, Stefano - HEKTOR, Andi - KANNIKE, Kristjan - MARZOLA, Luca - RAIDAL, Martti. Large loop-coupling enhancement of a heavy pseudoscalar from a light dark sector. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 917, pp. 31-43., Registrované v: WOS

9. [1.1] FUKS, Benjamin - SHAO, Hua-Sheng. QCD next-to-leading-order predictions matched to parton showers for vector-like quark models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 2, art. no. 135., Registrované v: WOS

10. [1.1] FUKUDA, Hajime - IBE, Masahiro - YANAGIDA, Tsutomu T.

Dark matter candidates in a visible heavy QCD axion model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095017., Registrované v: WOS

11. [1.1] GROSS, Christian - LEBEDEV, Oleg - NO, Jose Miguel. Drell-Yan constraints on new electroweak states: LHC as a $pp \rightarrow l^{(+)}l^{(-)}$ precision machine. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2017, vol. 32, no. 16, art. no. 1750094., Registrované v: WOS
12. [1.1] HERNANDEZ-JUAREZ, A. I. - TAVARES-VELASCO, G. - MOYOTL, A. Chromomagnetic and chromoelectric dipole moments of the top quark in the fourth-generation THDM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035040., Registrované v: WOS

ADCA1007 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for pair production of first or second generation leptoquarks in proton-proton collisions at $\sqrt{s}=7$ TeV using the ATLAS detector at the LHC (ATLAS Collaboration). In *Physical Review D. Particles, fields, gravitation and cosmology*, 2011, vol. 83, no. 11, art. no. 112006. (2010: 4.964 - IF, Q1 - JCR, 2.759 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Ohlasy:

1. [1.1] ALVAREZ, E. - SZEWC, M. Nonresonant leptoquark with multigeneration couplings for $\mu\mu jj$ and $\mu\nu jj$ at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 9 2019, vol. 99, no. 9., Registrované v: WOS

ADCA1008 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for pair production of gluinos decaying via stop and sbottom in events with b-jets and large missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Physical Review D*, 2016, vol. 94, no. 3, art. no. 032003. (2015: 4.506 - IF, Q2 - JCR, 2.236 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.94.032003>

Ohlasy:

1. [1.1] BELYAEV, Alexander S. - FLACKE, Thomas - JAIN, Bithika - SCHAEFERS, Patrick B. LHC dark matter signals from vector resonances and top partners. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035019., Registrované v: WOS
2. [1.1] BLANKE, M. - KAST, S. - THOMPSON, J.M. - WESTHOFF, S. - ZURITA, J. Spotting hidden sectors with Higgs binoculars. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 29 2019, no. 4., Registrované v: WOS
3. [1.1] DALIANIS, Ioannis - WATANABE, Yuki. Probing the BSM physics with CMB precision cosmology: an application to supersymmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 118., Registrované v: WOS
4. [1.1] DAS, Dipankar - LOPEZ-IBANEZ, M. L. - JAY PEREZ, M. - VIVES, Oscar. Effective theories of flavor and the nonuniversal MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035001., Registrované v: WOS

5. [1.1] DERCKS, Daniel - DESAI, Nishita - KIM, Jong Soo - ROLBIECKI, Krzysztof - TATTERSALL, Jamie - WEBER, Torsten. CheckMATE 2: From the model to the limit. In *COMPUTER PHYSICS COMMUNICATIONS*. ISSN 0010-4655, 2017, vol. 221, pp. 383-418., Registrované v: WOS
6. [1.1] DERCKS, Daniel - MOORTGAT-PICK, Gudrid - REUTER, Juergen - SHIM, So Young. The fate of the littlest Higgs model with T-parity under 13 TeV LHC data. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2018, no. 5, art. no. 049., Registrované v: WOS
7. [1.1] DERCKS, D. - ROBENS, T. Constraining the Inert Doublet Model using Vector Boson Fusion. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
8. [1.1] DUDAS, Emilian - MAMBRINI, Yann - OLIVE, Keith A. Case for an EeV Gravitino. In *PHYSICAL REVIEW LETTERS*. ISSN . no. 051801.0031-9007, 2017, vol. 119, no. 5, ar, Registrované v: WOS
9. [1.1] GHOSH, Pradipta - LARA, Inaki - LOPEZ-FOGLIANI, Daniel E. - MUNOZ, Carlos - DE AUSTRI, Roberto Ruiz. Searching for left sneutrino LSP at the LHC. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2018, vol. 33, no. 18-19, art. no. 1850110., Registrované v: WOS
10. [1.1] CHOWDHURY, Debtosh - PATEL, Ketan M. - TATA, Xerxes - VEMPATI, Sudhir K. Indirect searches of the degenerate MSSM. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075025., Registrované v: WOS
11. [1.1] KOWALSKA, Kamila - SESSOLO, Enrico Maria. MSSM fits to the ATLAS 1 lepton excess. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2017, vol. 77, no. 2, art. no. 79., Registrované v: WOS
12. [1.1] KOWALSKA, Kamila. Phenomenological MSSM in light of new 13 TeV LHC data. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2016, vol. 76, no. 12, art. no. 684., Registrované v: WOS

ADCA1009 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for pair production of heavy top-like quarks decaying to a high-p(T) W boson and a b quark in the lepton plus jets final state at root s=7 TeV with the ATLAS detector. In *Physics Letters B*, 2013, vol. 718, no. 4-5, p. 1284-1302. (2012: 4.569 - IF, Q1 - JCR, 3.353 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] DAWSON, S. - ISMAIL, A. - LOW, Ian. What's in the loop? The anatomy of double Higgs production. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 115008., Registrované v: WOS
2. [1.1] GIRDHAR, Aarti - MUKHOPADHYAYA, Biswarup - PATRA, Monalisa. Distinguishing signatures of top- and bottom-type heavy vectorlike quarks at the LHC. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055015., Registrované v: WOS
3. [1.1] LIU, G.L. - ZENG, Q.G. Muon g-2 anomaly confronted with the higgs global data in the left-right twin Higgs models. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, JUL 19 2019, vol. 79, no. 7., Registrované v: WOS

4. [1.1] MOHAPATRA, R. N. - ZHANGI, Yongchao. Quark see-saw, Higgs mass and vacuum stability. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2016, vol. 86, no. 2, pp. 265-280., Registrované v: WOS
5. [1.1] NIEHOFF, Christoph - STANGL, Peter - STRAUB, David M. Direct and indirect signals of natural composite Higgs models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 1, art. no. 119., Registrované v: WOS
6. [1.1] NIEHOFF, Christoph - STANGL, Peter - STRAUB, David M. Electroweak symmetry breaking and collider signatures in the next-to-minimal composite Higgs model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, pp. 1-50., Registrované v: WOS
7. [1.1] YANG, Bingfang - LIU, Ning. One-loop QCD correction to top pair production in the littlest Higgs model with T-parity at the LHC. In EPL. ISSN 0295-5075, 2015, vol. 111, no. 1, art. no. 11001., Registrované v: WOS

ADCA1010 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for pair production of heavy vectorlike quarks decaying into hadronic final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Physical Review D*, 2018, vol. 98, no. 9, art. no. 092005. (2017: 4.394 - IF, Q1 - JCR, 1.801 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.98.092005>

Ohlasy:

1. [1.1] BHATTIPROLU, P.N. - MARTIN, S.P. Prospects for vectorlike leptons at future proton-proton colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 19 2019, vol. 100, no. 1., Registrované v: WOS
2. [1.1] EASA, H. - GREGOIRE, T. - STOLARSKI, D. New limits on coloured three jet resonances. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 21 2020, no. 9., Registrované v: WOS
3. [1.1] EBERT, M.A. - MISTLBERGER, B. - VITA, G. Transverse momentum dependent PDFs at (NLO)-L-3. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 22 2020, no. 9., Registrované v: WOS
4. [1.1] GONG, X. - YUE, C.X. - YU, H.M. - LI, D. Single production of vector-like bottom quark at the LHeC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 22 2020, vol. 80, no. 9., Registrované v: WOS
5. [1.1] HOU, G.W.S. Perspectives and outlook from HEP window on the universe. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, JAN 20 2019, vol. 34, no. 2., Registrované v: WOS
6. [1.1] KASIECZKA, G. - SHIH, D. Robust Jet Classifiers through Distance Correlation. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, SEP 14 2020, vol. 125, no. 12., Registrované v: WOS
7. [1.1] SONG, J. - YOON, Y.W. W gamma decay of the elusive charged Higgs boson in the two-Higgs-doublet model with vectorlike fermions. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 6 2019, vol. 100, no. 5., Registrované v: WOS

ADCA1011 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol.

Search for pair production of heavy vector-like quarks decaying to high-p(T) W bosons and b quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2017, no. 10, art. no. 141. (2016: 6.063 - IF, Q1 - JCR, 1.163 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP10\(2017\)141](https://doi.org/10.1007/JHEP10(2017)141)

Ohlasy:

1. [1.1] ALBERTSSON, K. - GLEYZER, S. - HUWILER, M. - ILIEVSKI, V. - MONETA, L. - SHEKAR, S. - VASHISTHA, A. - WUNSCH, S. - MESA, O.A.Z. New Machine Learning Developments in ROOT/TMVA. In 23RD INTERNATIONAL CONFERENCE ON COMPUTING IN HIGH ENERGY AND NUCLEAR PHYSICS (CHEP 2018). ISSN 2100-014X, 2019, vol. 214., Registrované v: WOS
2. [1.1] ARHRIB, A. - BENBRIK, R. - EL FALAKI, J. - SAMPAIO, M. - SANTOS, R. Pseudoscalar decays to gauge bosons at the LHC and at a future 100 TeV collider. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 27 2019, vol. 99, no. 3., Registrované v: WOS
3. [1.1] BHATTIPROLU, P.N. - MARTIN, S.P. Prospects for vectorlike leptons at future proton-proton colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 19 2019, vol. 100, no. 1., Registrované v: WOS
4. [1.1] CACCIAPAGLIA, G. - CARVALHO, A. - DEANDREA, A. - FLACKE, T. - FUKS, B. - MAJUMDER, D. - PANIZZU, L. - SHAO, H.S. Next-to-leading-order predictions for single vector-like quark production at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, JUN 10 2019, vol. 793, p. 206-211., Registrované v: WOS
5. [1.1] DAS, K. - MONDAL, T. - RAI, S.K. Nonstandard signatures of vectorlike quarks in a leptophobic 221 model. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 4 2019, vol. 99, no. 11., Registrované v: WOS
6. [1.1] DI LUZIO, Luca - GRELJO, Admir - NARDECCHIA, Marco. Gauge leptoquark as the origin of B-physics anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 115011., Registrované v: WOS
7. [1.1] DILLON, B.M. Neutral naturalness from a holographic SO(6)/SO(5) composite Higgs model. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 6 2019, vol. 99, no. 11., Registrované v: WOS
8. [1.1] DOBRESCU, Bogdan A. - YU, Felix. Exotic signals of vectorlike quarks. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 8, art. no. 08LT01., Registrované v: WOS
9. [1.1] HERNANDEZ, A.E.C. - GONZALEZ, J.M. - SALDANA-SALAZAR, U.J. Viable low-scale model with universal and inverse seesaw mechanisms. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 26 2019, vol. 100, no. 3., Registrované v: WOS
10. [1.1] JIANG, Xingyu - HAN, Jinzhong - HOU, Biaofeng - YU, Chunxu. Single top partner production at lepton colliders in the left-right twin Higgs model. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2018, vol. 33, no. 10-11, art. no. 1850057., Registrované v: WOS
11. [1.1] KAWAMURA, J. - RABY, S. - TRAUTNER, A. Complete vectorlike fourth family and new U(1)' for muon anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 18 2019, vol. 100, no. 5., Registrované v:

WOS

12. [1.1] OHMER, S. Spontaneous CP violation and the strong CP problem in left-right symmetric theories. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 25 2019, vol. 99, no. 11., Registrované v: WOS

13. [1.1] SONG, J. - YOON, Y.W. W gamma decay of the elusive charged Higgs boson in the two-Higgs-doublet model with vectorlike fermions. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 6 2019, vol. 100, no. 5., Registrované v: WOS

ADCA1012 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for pair production of heavy vector-like quarks decaying into high-(PT) W bosons and top quarks in the lepton-plus-jets final state in pp collisions at root s=13 TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2018, no. 8, art. no. 048. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP08\(2018\)048](https://doi.org/10.1007/JHEP08(2018)048)

Ohlasy:

1. [1.1] BHATTIPROLU, P.N. - MARTIN, S.P. Prospects for vectorlike leptons at future proton-proton colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 19 2019, vol. 100, no. 1., Registrované v: WOS

2. [1.1] DAS, K. - MONDAL, T. - RAI, S.K. Nonstandard signatures of vectorlike quarks in a leptophobic 221 model. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 4 2019, vol. 99, no. 11., Registrované v: WOS

3. [1.1] DILLON, B.M. Neutral naturalness from a holographic SO(6)/SO(5) composite Higgs model. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 6 2019, vol. 99, no. 11., Registrované v: WOS

4. [1.1] SONG, J. - YOON, Y.W. W gamma decay of the elusive charged Higgs boson in the two-Higgs-doublet model with vectorlike fermions. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 6 2019, vol. 100, no. 5., Registrované v: WOS

ADCA1013 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for pair production of Higgs bosons in the bbbb final state using proton-proton collisions at root s=13 TeV with the ATLAS detector. In *Physical Review D*, 2016, vol. 94, no. 5, art. no. 052002. (2015: 4.506 - IF, Q2 - JCR, 2.236 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.94.052002>

Ohlasy:

1. [1.1] ALVAREZ, Ezequiel - FAROUGHY, Darius A. - KAMENIK, Jernej F. - MORALES, Roberto - SZYNKMAN, Alejandro. Four tops for LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 915, pp. 19-43., Registrované v: WOS

2. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. - MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of heavy Higgs bosons decaying invisibly at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS

3. [1.1] BAUER, Martin - CARENA, Marcela - GEMMLER, Katrin.

- Creating the fermion mass hierarchies with multiple Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 115030., Registrované v: WOS
4. [1.1] BIAN, Ligong - CHEN, Ning - ZHANG, Yongchao. CP violation effects in the diphoton spectrum of heavy scalars. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 095008., Registrované v: WOS
5. [1.1] BISHARA, Fady - CONTINO, Roberto - ROJO, Juan. Higgs pair production in vector-boson fusion at the LHC and beyond. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 7, art. no. 481., Registrované v: WOS
6. [1.1] BONCIANI, Roberto - DEGRASSI, Giuseppe - GIARDINO, Pier Paolo - GROBER, Ramona. Analytical Method for Next-to-Leading-Order QCD Corrections to Double-Higgs Production. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 16, art. no. 162003., Registrované v: WOS
7. [1.1] CARENA, Marcela - LIU, Zhen - RIEMBAU, Marc. Probing the electroweak phase transition via enhanced di-Higgs boson production. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095032., Registrované v: WOS
8. [1.1] DREYER, Frederic A. - KARLBERG, Alexander. Vector-boson fusion Higgs pair production at (NLO)-L-3. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 114016., Registrované v: WOS
9. [1.1] DREYER, F.A. - KARLBERG, A. - LANG, J.N. - PELLEN, M. Precise predictions for double-Higgs production via vector-boson fusion. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 9 2020, vol. 80, no. 11., Registrované v: WOS
10. [1.1] FERREIRA, Pedro M. - LIEBLER, Stefan - WITTBRODT, Jonas. $pp \rightarrow A \rightarrow Zh$ and the wrong-sign limit of the two-Higgs-doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055008., Registrované v: WOS
11. [1.1] GUTIERREZ-RODRIGUEZ, A. - HERNANDEZ-RUIZ, M. A. Probing the Z' resonance and the Higgs boson production and decay in a $SU(3)_C \times U(1)_N$ model at future e^+e^- colliders. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 9, art. no. 352., Registrované v: WOS
12. [1.1] HUANG, T. - NO, J. M. - PERNIE, L. - RAMSEY-MUSOLF, M. - SAFONOV, A. - SPANNOVSKY, M. - WINSLOW, P. Resonant di-Higgs boson production in the $b\bar{b} \rightarrow WW$ channel: Probing the electroweak phase transition at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035007., Registrované v: WOS
13. [1.1] ILTEN, Philip - RODD, Nicholas L. - THALER, Jesse - WILLIAMS, Mike. Disentangling heavy flavor at colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 054019., Registrované v: WOS
14. [1.1] ROBENS, T. - STEFANIAK, T. - WITTBRODT, J. Two-real-scalar-singlet extension of the SM: LHC phenomenology and benchmark scenarios. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 19 2020, vol. 80, no. 2., Registrované v: WOS
15. [1.1] TORASSA, Ezio. The Standard Model and Higgs physics. In

- ADCA1014 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. -
ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj -
SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for pair
production of Higgs bosons in the $b(b)\text{over-bar}b(b)\text{over-bar}$ final state using
proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Journal of
High Energy Physics*, 2019, no. 1, art. no. 030. (2018: 5.833 - IF, Q1 - JCR, 1.016 -
SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS,
SCOPUS). ISSN 1029-8479. Dostupné na:
[https://doi.org/10.1007/JHEP01\(2019\)030](https://doi.org/10.1007/JHEP01(2019)030)
Ohlasy:
1. [1.1] BARMAN, R.K. - ENGLERT, C. - GONCALVES, D. -
SPANNOWSKY, M. Di-Higgs resonance searches in weak boson fusion. In
PHYSICAL REVIEW D. ISSN 1550-7998, SEP 17 2020, vol. 102, no. 5.,
Registrované v: WOS
2. [1.1] BASLER, P. - DAWSON, S. - ENGLERT, C. -
MUHLLEITNER, M. Showcasing HH production: Benchmarks for the LHC and
HL-LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 29 2019, vol. 99,
no. 5., Registrované v: WOS
3. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. -
WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS.
ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
4. [1.1] DREYER, F.A. - KARLBERG, A. Fully differential
vector-boson fusion Higgs pair production at next-to-next-to-leading order. In
PHYSICAL REVIEW D. ISSN 2470-0010, APR 29 2019, vol. 99, no. 7.,
Registrované v: WOS
5. [1.1] HOU, W.S. - KOHDA, M. - MODAK, T. Top-assisted di-Higgs
boson production motivated by baryogenesis. In PHYSICAL REVIEW D. ISSN
2470-0010, MAR 29 2019, vol. 99, no. 5., Registrované v: WOS
6. [1.1] HUITU, K. - KOIVUNEN, N. - LEBEDEV, O. - MONDAL, S.
- TOMA, T. Probing pseudo-Goldstone dark matter at the LHC. In PHYSICAL
REVIEW D. ISSN 2470-0010, JUL 9 2019, vol. 100, no. 1., Registrované v:
WOS
7. [1.1] LI, T. Heavy Higgs bosons at the LHC upgrade. In CHINESE
PHYSICS C. ISSN 1674-1137, SEP 2020, vol. 44, no. 9., Registrované v: WOS
8. [1.1] OUYANG, R.W. - MATSUZAKI, S. Enhanced di-Higgs signal
from hidden scalar QCD at leading-order in the scale-symmetry limit. In
PHYSICAL REVIEW D. ISSN 2470-0010, APR 29 2019, vol. 99, no. 7.,
Registrované v: WOS
9. [1.1] STEELE, C. - EHWERHEMUEPHA, L. - COLLINS, E.
24-Hour vs 12-Hour Storage Recommendations for Previously Frozen (Thawed)
Fortified Human Milk. In JOURNAL OF THE ACADEMY OF NUTRITION
AND DIETETICS. ISSN 2212-2672, AUG 2020, vol. 120, no. 8, p. 1283-1287.,
Registrované v: WOS

- ADCA1015 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. -
ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj -
SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for pair

production of Higgsinos in final states with at least three b-tagged jets in root s=13 TeV pp collisions using the ATLAS detector. In *Physical Review D*, 2018, vol. 98, no. 9, art. no. 092002. (2017: 4.394 - IF, Q1 - JCR, 1.801 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.
Dostupné na: <https://doi.org/10.1103/PhysRevD.98.092002>

Ohlasy:

1. [1.1] ARGANDA, E. - GARCIA-GARCIA, C. - HERRERO, M.J. Probing the Higgs self-coupling through double Higgs production in vector boson scattering at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, AUG 2019, vol. 945., Registrované v: WOS
2. [1.1] AZEVEDO, D. - DUCH, M. - GRZADKOWSKI, B. - HUANG, D. - IGLICKI, M. - SANTOS, R. Testing scalar versus vector dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 9 2019, vol. 99, no. 1., Registrované v: WOS
3. [1.1] BAUM, S. - SHAH, N.R. - FREESE, K. The NMSSM is within reach of the LHC: mass correlations & decay signatures. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 1 2019, no. 4., Registrované v: WOS
4. [1.1] BELYAEV, A.S. - SCHAEFERS, B. - THOMAS, M.C. Precise test of Higgs boson properties via triple Higgs boson production in vector boson fusion at future colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 23 2019, vol. 99, no. 1., Registrované v: WOS
5. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
6. [1.1] DOMINGO, F. - KIM, J.S. - LOZANO, V.M. - MARTIN-RAMIRO, P. - DE AUSTRI, R.R. Confronting the neutralino and chargino sector of the NMSSM with the multilepton searches at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 8 2020, vol. 101, no. 7., Registrované v: WOS
7. [1.1] DREYER, F.A. - KARLBERG, A. Fully differential vector-boson fusion Higgs pair production at next-to-next-to-leading order. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 29 2019, vol. 99, no. 7., Registrované v: WOS
8. [1.1] DUTTA, J. - MUKHOPADHYAYA, B. - RAI, S.K. Identifying a Higgsino-like NLSP in the context of a keV-scale gravitino LSP. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 22 2020, vol. 101, no. 7., Registrované v: WOS
9. [1.1] FERREIRA, P.M. - LAVOURA, L. No strong CP violation up to the one-loop level in a two-Higgs-doublet model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 1 2019, vol. 79, no. 7., Registrované v: WOS
10. [1.1] FLORES, M. - GROSS, C. - KIM, J.S. - LEBEDEV, O. - MONDAL, S. Multi-Higgs boson probes of the dark sector. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 13 2020, vol. 102, no. 1., Registrované v: WOS
11. [1.1] PYARELAL, A. - SU, S.F. Higgs assisted razor search for Higgsinos at a 100 TeV pp collider. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, APR 17 2020, vol. 63, no. 10., Registrované v: WOS

12. [1.1] SMARANDA, D.D. - MILLER, D.J. Scherk-Schwarz orbifolds at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS

ADCA1016 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for pair production of massive particles decaying into three quarks with the ATLAS detector in $\sqrt{s}=7$ TeV pp collisions at the LHC. In *Journal of High Energy Physics*, 2012, vol. 2012, no. 12, art. no. 086. (2011: 5.831 - IF, 1.902 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP12\(2012\)086](https://doi.org/10.1007/JHEP12(2012)086)

Ohlasy:

1. [1.1] BROD, Joachim - DROBNAK, Jure - KAGAN, Alexander L. - STAMOU, Emmanuel - ZUPAN, Jure. Stealth QCD-like strong interactions and the $t(\bar{t})$ asymmetry. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 095009., Registrované v: WOS

2. [1.1] CURTIN, D. - DESHPANDE, K. - FISCHER, O. - ZURITA, J. Closing the light gluino gap with electron-proton colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 12 2019, vol. 99, no. 5., Registrované v: WOS

3. [1.1] DERCKES, Daniel - DREINER, Herbi - KRAUSS, Manuel E. - OPFERKUCH, Toby - REINERT, Annika. R-parity violation at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 856., Registrované v: WOS

4. [1.1] DOBRESCU, Bogdan A. - YU, Felix. Exotic signals of vectorlike quarks. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 8, art. no. 08LT01., Registrované v: WOS

5. [1.1] SOYEZ, G. Pileup mitigation at the LHC: A theorist's view. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, APR 25 2019, vol. 803, p. 1-158., Registrované v: WOS

6. [1.1] ZWANE, Nosiphiwo. Long-lived particle searches in R-parity violating MSSM. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 10, art. no. 105003., Registrované v: WOS

ADCA1017 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Search for Pair Production of Strongly Interacting Particles Decaying to Pairs of Jets in $p(\bar{p})$ Collisions at $\sqrt{s}=1.96$ TeV. In *Physical Review Letters*, 2013, vol. 111, no. 3, art. no. 031802. (2012: 7.943 - IF, Q1 - JCR, 6.292 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.111.031802>

Ohlasy:

1. [1.1] BROD, Joachim - DROBNAK, Jure - KAGAN, Alexander L. - STAMOU, Emmanuel - ZUPAN, Jure. Stealth QCD-like strong interactions and the $t(\bar{t})$ asymmetry. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 095009., Registrované v: WOS

2. [1.1] FRANCESCHINI, Roberto. Status of LHC Searches for SUSY without R-Parity. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 581038., Registrované v: WOS

3. [1.1] CHIVUKULA, R. Sekhar - FARZINNIA, Arsham - SIMMONS, Elizabeth H. Vacuum stability and triviality analyses of the renormalizable coloron model. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 055002., Registrované v: WOS
4. [1.1] MONTEUX, Angelo - SHIN, Chang Sub. Axino LSP baryogenesis and dark matter. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2015, no. 5, art. no. 035., Registrované v: WOS
5. [1.1] REDELBAACH, Andreas. Searches for Prompt R-Parity-Violating Supersymmetry at the LHC. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 982167., Registrované v: WOS

ADCA1018 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Search for Pair Production of Supersymmetric Top Quarks in Dilepton Events from $p(\bar{p})$ Collisions at $\sqrt{s}=1.96$ TeV. In *Physical Review Letters*, 2010, vol. 104, no. 25, art. no. 251801. (2009: 7.328 - IF, 6.325 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.104.251801>

Ohlasy:

1. [1.1] BOOS, E. E. - BRANDT, O. E. - DENISOV, D. S. - DENISOV, S. P. - GRANNIS, P. D. The top quark (20 years after its discovery). In PHYSICS-USPEKHI. ISSN 1063-7869, 2015, vol. 58, no. 12, pp. 1133-1158., Registrované v: WOS
2. [1.1] DENISOV, Dmitri - VELLIDIS, Costas. The TOP QUARK, 20 years after its discovery. In PHYSICS TODAY. ISSN 0031-9228, 2015, vol. 68, no. 4, pp. 46-52., Registrované v: WOS

ADCA1019 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for pair production of up-type vector-like quarks and for four-top-quark events in final states with multiple b-jets with the ATLAS detector. In *Journal of High Energy Physics*, 2018, no. 7, art. no. 089. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP07\(2018\)089](https://doi.org/10.1007/JHEP07(2018)089)

Ohlasy:

1. [1.1] ALHAZMI, H. - KIM, J.H. - KONG, K. - LEWIS, I.M. Shedding light on top partner at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 16 2019, no. 1., Registrované v: WOS
2. [1.1] ALONSO, Rodrigo - CARMONA, Adrian - DILLON, Barry M. - KAMENIK, Jernej F. - MARTIN CAMALICH, Jorge - ZUPAN, Jure. A clockwork solution to the flavor puzzle. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 099., Registrované v: WOS
3. [1.1] BHATTIPROLU, P.N. - MARTIN, S.P. Prospects for vectorlike leptons at future proton-proton colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 19 2019, vol. 100, no. 1., Registrované v: WOS
4. [1.1] CACCIAPAGLIA, Giacomo - DEANDREA, Aldo - GAUR, Naveen - HARADA, Daisuke - OKADA, Yasuhiro - PANIZZU, Luca. The LHC potential of vector-like quark doublets. In JOURNAL OF HIGH ENERGY

- PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 055., Registrované v: WOS
5. [1.1] CACCIAPAGLIA, G. - CARVALHO, A. - DEANDREA, A. - FLACKE, T. - FUKS, B. - MAJUMDER, D. - PANIZZI, L. - SHAO, H.S. Next-to-leading-order predictions for single vector-like quark production at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, JUN 10 2019, vol. 793, p. 206-211., Registrované v: WOS
 6. [1.1] CSAKI, C. - DE FREITAS, F.F. - HUANG, L. - MA, T. - PERELSTEIN, M. - SHU, J. Naturalness sum rules and their collider tests. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 22 2019, no. 5., Registrované v: WOS
 7. [1.1] DAS, K. - MONDAL, T. - RAI, S.K. Nonstandard signatures of vectorlike quarks in a leptophobic 221 model. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 4 2019, vol. 99, no. 11., Registrované v: WOS
 8. [1.1] DERMISEK, R. - LUNGHI, E. - SHIN, S. Hunting for vectorlike quarks. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 2 2019, no. 4., Registrované v: WOS
 9. [1.1] DI LUZIO, Luca - FUENTES-MARTIN, Javier - GRELJO, Admir - NARDECCHIA, Marco - RENNER, Sophie. Maximal flavour violation: a Cabibbo mechanism for leptoquarks. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 081., Registrované v: WOS
 10. [1.1] DILLON, B.M. Neutral naturalness from a holographic SO(6)/SO(5) composite Higgs model. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 6 2019, vol. 99, no. 11., Registrované v: WOS
 11. [1.1] KAWAMURA, J. - RABY, S. - TRAUTNER, A. Complete vectorlike fourth family and new U(1)' for muon anomalies. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 18 2019, vol. 100, no. 5., Registrované v: WOS
 12. [1.1] LIU, D. - WANG, L.T. - XIE, K.P. Prospects of searching for composite resonances at the LHC and beyond. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 18 2019, no. 1., Registrované v: WOS
 13. [1.1] MANGLANI, N. - MISRA, A. - SRIDHAR, K. KK Higgs produced in association with a top quark pair in the bulk RS model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
 14. [1.1] SONG, J. - YOON, Y.W. W gamma decay of the elusive charged Higgs boson in the two-Higgs-doublet model with vectorlike fermions. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 6 2019, vol. 100, no. 5., Registrované v: WOS
 15. [1.1] ZIDI, Mohamed Sadek. NLO QCD corrections to single vector-like top partner production in association with top quark at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 123., Registrované v: WOS

ADCA1020 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for pairs of highly collimated photon-jets in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Physical Review D*, 2019, vol. 99, no. 1, art. no. 012008. (2018: 4.368 - IF, Q1 - JCR, 1.703 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current

Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na:
<https://doi.org/10.1103/PhysRevD.99.012008>

Ohlasy:

1. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
2. [1.1] DREMIN, I.M. Geometry of ultraperipheral nuclear collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, APR 30 2019, vol. 34, no. 12., Registrované v: WOS
3. [1.1] ROBENS, T. - STEFANIAK, T. - WITTBRODT, J. Two-real-scalar-singlet extension of the SM: LHC phenomenology and benchmark scenarios. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 19 2020, vol. 80, no. 2., Registrované v: WOS

ADCA1021 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for pair-produced heavy quarks decaying to Wq in the two-lepton channel at $\sqrt{s}=7$ TeV with the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2012, vol. 86, no. 1, art. no. 012007. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na:
<https://doi.org/10.1103/PhysRevD.86.012007>

Ohlasy:

1. [1.1] ARHRIB, A. - BENBRIK, R. - KING, S. J. D. - MANAUT, B. - MORETTI, S. - UN, C. S. Phenomenology of 2HDM with vectorlike quarks. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095015., Registrované v: WOS
2. [1.1] ARHRIB, A. - BENBRIK, R. - EL FALAKI, J. - SAMPAIO, M. - SANTOS, R. Pseudoscalar decays to gauge bosons at the LHC and at a future 100 TeV collider. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 27 2019, vol. 99, no. 3., Registrované v: WOS
3. [1.1] LIU, G.L. - ZENG, Q.G. Muon $g-2$ anomaly confronted with the higgs global data in the left-right twin Higgs models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 19 2019, vol. 79, no. 7., Registrované v: WOS
4. [1.1] MOSOMANE, Chuene - KUMAR, Mukesh - CORNELL, Alan S. - MELLADO, Bruce. Exploring CP-even scalars of a Two Higgs-doublet model in future $e(-)p$ colliders. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP 2017. ISSN 1742-6588, 2017, vol. 889, art. no. UNSP 012004., Registrované v: WOS

ADCA1022 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for pair-produced long-lived neutral particles decaying to jets in the ATLAS hadronic calorimeter in pp collisions at $\sqrt{s}=8$ TeV. In *Physics Letters B*, 2015, vol. 743, p. 15-34. (2014: 6.131 - IF, Q1 - JCR, 3.562 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na:
<https://doi.org/10.1016/j.physletb.2015.02.015>

Ohlasy:

1. [1.1] AGRAWAL, Prateek - FAN, Ji Ji - HEIDENREICH, Ben - REECE, Matthew - STRASSLER, Matthew. Experimental considerations motivated by the diphoton excess at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 6, art. no. 082., Registrované v: WOS
2. [1.1] ALIPOUR-FARD, S. - CRAIG, N. - GORI, S. - KOREN, S. - REDIGOLO, D. The second Higgs at the lifetime frontier. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 6 2020, no. 7., Registrované v: WOS
3. [1.1] ARKANI-HAMED, Nima - D'AGNOLO, Raffaele Tito - LOW, Matthew - PINNER, David. Unification and new particles at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 11, art. no. 082., Registrované v: WOS
4. [1.1] BARNARD, James - COX, Peter - GHERGHETTA, Tony - SPRAY, Andrew. Long-lived, colour-triplet scalars from unnaturalness. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 003., Registrované v: WOS
5. [1.1] BELYAEV, Alexander - MORETTI, Stefano - NICKEL, Kilian - THOMAS, Marc C. - TOMALIN, Ian. Hunting for neutral, long-lived exotica at the LHC using a missing transverse energy signature. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 018., Registrované v: WOS
6. [1.1] BLINOV, Nikita - IZAGUIRRE, Eder - SHUVE, Brian. Rare Z boson decays to a hidden sector. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 015009., Registrované v: WOS
7. [1.1] BUCHMUELLER, Oliver - DE ROECK, Albert - HAHN, Kristian - MCCULLOUGH, Matthew - SCHWALLER, Pedro - SUNG, Kevin - YU, Tien-Tien. Simplified models for displaced dark matter signatures. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 9, art. no. 076., Registrované v: WOS
8. [1.1] CARRAL, David. An Ontology Design Pattern for Detector Final States. In ONTOLOGY ENGINEERING WITH ONTOLOGY DESIGN PATTERNS: FOUNDATIONS AND APPLICATIONS. ISSN 1868-1158, 2016, vol. 25, pp. 329-333., Registrované v: WOS
9. [1.1] CLARKE, Jackson D. Constraining portals with displaced Higgs decay searches at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 10, art. no. 061., Registrované v: WOS
10. [1.1] CSAKI, Csaba - KUFLIK, Eric - LOMBARDO, Salvator - SLONE, Oren. Searching for displaced Higgs boson decays. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 073008., Registrované v: WOS
11. [1.1] CURTIN, David - VERHAAREN, Christopher B. Discovering uncolored naturalness in exotic Higgs decays. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 12, art. no. 072., Registrované v: WOS
12. [1.1] DASGUPTA, Basudeb - KOPP, Joachim - SCHWALLER, Pedro. Photons, photon jets, and dark photons at 750 GeV and beyond. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 277., Registrované v: WOS
13. [1.1] EVANS, Jared A. - SHELTON, Jessie. Long-lived staus and

- displaced leptons at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 056., Registrované v: WOS
14. [1.1] GERSHTEIN, Yuri. CMS hardware track trigger: New opportunities for long-lived particle searches at the HL-LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035027., Registrované v: WOS
15. [1.1] CHAKRABORTY, Amit - IYER, Abhishek M. - ROY, Tuhin S. A framework for finding anomalous objects at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 932, pp. 439-470., Registrované v: WOS
16. [1.1] JANA, Sudip - OKADA, Nobuchika - RAUT, Digesh. Displaced vertex signature of type-I seesaw model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035023., Registrované v: WOS
17. [1.1] KILIC, C. - NAJJARI, S. - VERHAAREN, C.B. Discovering the twin Higgs boson with displaced decays. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 29 2019, vol. 99, no. 7., Registrované v: WOS
18. [1.1] KIM, Jeong Han - LEWIS, Ian M. Loop induced single top partner production and decay at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 095., Registrované v: WOS
19. [1.1] ROLBIECKI, Krzysztof - SAKURAI, Kazuki. Long-lived bino and wino in supersymmetry with heavy scalars and higgsinos. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 11, art. no. 091., Registrované v: WOS
20. [1.1] SCHWALLER, Pedro - STOLARSKI, Daniel - WEILER, Andreas. Emerging jets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 5, art. no. 059., Registrované v: WOS
21. [1.1] VIDAL, X.C. - TSAI, Y. - ZURITA, J. Exclusive displaced hadronic signatures in the LHC forward region. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 20 2020, no. 1., Registrované v: WOS

ADCA1023 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Jaroslav - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at $\sqrt{s}=7$ TeV. In *European Physical Journal C*, 2013, vol. 73, no. 1, art. no. 2263. (2012: 5.247 - IF, Q1 - JCR, 3.034 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1434-6044.

Ohlasy:

1. [1.1] ALVES, Daniele S. M. - GALLOWAY, Jamison - MCCULLOUGH, Matthew - WEINER, Neal. Models of Goldstone gauginos. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075021., Registrované v: WOS
2. [1.1] ARBELAEZ, Carolina - CARCAMO HERNANDEZ, A. E. - KOVALENKO, Sergey - SCHMIDT, Ivan. Adjoint SU(5) GUT model with T-7 flavor symmetry. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 115015., Registrované v: WOS
3. [1.1] BECK, Lana - BLEKMAN, Freya - DOBUR, Didar - FUKS, Benjamin - KEAVENEY, James - MAWATARI, Kentarou. Probing top-philic sgluons with LHC Run I data. In PHYSICS LETTERS B. ISSN 0370-2693,

2015, vol. 746, pp. 48-52., Registrované v: WOS

4. [1.1] BROD, Joachim - DROBNAK, Jure - KAGAN, Alexander L. - STAMOU, Emmanuel - ZUPAN, Jure. Stealth QCD-like strong interactions and the $t(\bar{t})$ asymmetry. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 095009., Registrované v: WOS

5. [1.1] CARPENTER, L.M. - MURPHY, T. - SMYLLIE, M.J. Exploring color-octet scalar parameter space in minimal R-symmetric models. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, NOV 9 2020, no. 11., Registrované v: WOS

6. [1.1] COLLINS, J.H. - HOWE, K. - NACHMAN, B. Extending the search for new resonances with machine learning. In *PHYSICAL REVIEW D*. ISSN 2470-0010, JAN 28 2019, vol. 99, no. 1., Registrované v: WOS

7. [1.1] DIESSNER, Philip - KALINOWSKI, Jan - KOTLARSKI, Wojciech - STOECKINGER, Dominik. Two-Loop Correction to the Higgs Boson Mass in the MRSSM. In *ADVANCES IN HIGH ENERGY PHYSICS*. ISSN 1687-7357, 2015, art. no. 760729., Registrované v: WOS

8. [1.1] ENGLERT, Christoph - FERRETTI, Gabriele - SPANNOVSKY, Michael. Jet-associated resonance spectroscopy. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 842., Registrované v: WOS

9. [1.1] HAMADA, Yuta - KAWAI, Hikaru - KAWANA, Kiyoharu - TSUMURA, Koji. Models of the LHC diphoton excesses valid up to the Planck scale. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 014007., Registrované v: WOS

10. [1.1] HAYRETER, Alper - VALENCIA, German. LHC constraints on color octet scalars. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035004., Registrované v: WOS

11. [1.1] HENG, Zhaoxia - ZHOU, Haijing. Higgs-strahlung production process $e^{(+)}e^{(-)} \rightarrow hZ$ at the future Higgs factory in the SM extension with color-octet scalars. In *CHINESE JOURNAL OF PHYSICS*. ISSN 0577-9073, 2016, vol. 54, no. 2, pp. 308-313., Registrované v: WOS

ADCA1024 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for pair-produced third-generation squarks decaying via charm quarks or in compressed supersymmetric scenarios in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2014, vol. 90, no. 5, art. no. 052008. (2013: 4.864 - IF, Q1 - JCR, 2.482 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.90.052008>

Ohlasy:

1. [1.1] AEBISCHER, Jason - CRIVELLIN, Andreas - GREUB, Christoph. One-loop SQCD corrections to the decay of top squarks to charm and neutralino in the generic MSSM. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 035010., Registrované v: WOS

2. [1.1] AEBISCHER, Jason - CRIVELLIN, Andreas - GREUB, Christoph - YAMADA, Youichi. The MSSM without gluinos; an effective field theory for the stop sector. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2017, vol. 77, no. 11, art. no. 740., Registrované v: WOS

3. [1.1] AMBROGI, Federico - KRAML, Sabine - KULKARNI, Suchita

- LAA, Ursula - LESSA, Andre - WALTENBERGER, Wolfgang. On the coverage of the pMSSM by simplified model results. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 215., Registrované v: WOS
- 4. [1.1] ANANDAKRISHNAN, Archana - COLLINS, Jack H. - FARINA, Marco - KUFLIK, Eric - PERELSTEIN, Maxim. Odd top partners at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075009., Registrované v: WOS
- 5. [1.1] AN, Haipeng - WANG, Lian-Tao. Opening Up the Compressed Region of Top Squark Searches at 13 TeV LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 18, art. no. 181602., Registrované v: WOS
- 6. [1.1] BARMAN, Rahool Kumar - BELANGER, Genevieve - BHATTACHERJEE, Biplob - GODBOLE, Rohini - MENDIRATTA, Gaurav - SENGUPTA, Dipan. Invisible decay of the Higgs boson in the context of a thermal and nonthermal relic in MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095018., Registrované v: WOS
- 7. [1.1] BELANGER, Genevieve - DELAUNAY, Cedric. Dark sector for $g(\mu)$ -2, R-K and a 750 GeV diphoton resonance. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075019., Registrované v: WOS
- 8. [1.1] BELYAEV, Alexander - CACCIAPAGLIA, Giacomo - IVANOV, Igor P. - ROJAS-ABATTE, Felipe - THOMAS, Marc. Anatomy of the inert two-Higgs-doublet model in the light of the LHC and non-LHC dark matter searches. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 035011., Registrované v: WOS
- 9. [1.1] BERNAL, Nicolas - HEIKINHEIMO, Matti - TENKANEN, Tommi - TUOMINEN, Kimmo - VASKONEN, Ville. The dawn of FIMP Dark Matter: A review of models and constraints. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 27, art. no. 1730023., Registrované v: WOS
- 10. [1.1] BERNIGAUD, J. - HERRMANN, B. First steps towards the reconstruction of the squark flavour structure. In SCIPOST PHYSICS. ISSN 2542-4653, JUN 2019, vol. 6, no. 6., Registrované v: WOS
- 11. [1.1] BEURIA, Jyotiranjana - DATA, Asesh Krishna - DEBNATH, Dipsikha - MATCHEV, Konstantin T. LHC collider phenomenology of minimal universal extra dimensions. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 226, pp. 187-205., Registrované v: WOS
- 12. [1.1] COHEN, Timothy - LISANTI, Mariangela - LOU, Hou Keong. Semivisible Jets: Dark Matter Undercover at the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 17, art. no. 171804., Registrované v: WOS
- 13. [1.1] COLLINS, Jack H. - DROR, Jeff Asaf - FARINA, Marco. Mixed stops and the ATLAS on-Z excess. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095022., Registrované v: WOS
- 14. [1.1] CRIVELLIN, Andreas - FUENTES-MARTIN, Javier - GRELJO, Admir - ISIDORI, Gino. Lepton flavor non-universality in B decays from dynamical Yukawas. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 766, pp. 77-85., Registrované v: WOS
- 15. [1.1] DE LA PUENTE, Alejandro - SZYNKMAN, Alejandro. Long-lived colored scalars at the LHC. In EUROPEAN PHYSICAL JOURNAL

- C. ISSN 1434-6044, 2016, vol. 76, no. 3, art. no. 124., Registrované v: WOS
16. [1.1] DE VRIES, K. J. - BAGNASCHI, E. A. - BUCHMUELLER, O. - CAVANAUGH, R. - CITRON, M. - DE ROECK, A. - DOLAN, M. J. - ELLIS, J. R. - FLAECHER, H. - HEINEMEYER, S. - ISIDORI, G. - MALIK, S. - MARROUCHE, J. - MARTINEZ SANTOS, D. - OLIVE, K. A. - SAKURAI, K. - WEIGLEIN, G. The pMSSM10 after LHC run 1. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 422., Registrované v: WOS
17. [1.1] DERCKES, Daniel - DESAI, Nishita - KIM, Jong Soo - ROLBIECKI, Krzysztof - TATTERSALL, Jamie - WEBER, Torsten. CheckMATE 2: From the model to the limit. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2017, vol. 221, pp. 383-418., Registrované v: WOS
18. [1.1] DERCKES, Daniel - MOORTGAT-PICK, Gudrid - REUTER, Juergen - SHIM, So Young. The fate of the littlest Higgs model with T-parity under 13 TeV LHC data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 049., Registrované v: WOS
19. [1.1] DEUTSCHMANN, Nicolas - FLACKE, Thomas - KIM, Jong Soo. Current LHC constraints on minimal universal extra dimensions. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 771, pp. 515-520., Registrované v: WOS
20. [1.1] DIAMANTI, Roberta - CABRERA CATALAN, Maria Eugenia - ANDO, Shin'ichiro. Dark matter protohalos in a nine parameter MSSM and implications for direct and indirect detection. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 6, art. no. 065029., Registrované v: WOS
21. [1.1] DREES, Manuel - KIM, Jong Soo. Minimal natural supersymmetry after the LHC8. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 095005., Registrované v: WOS
22. [1.1] ELLIS, John - FOWLIE, Andrew - MARZOLA, Luca - RAIDAL, Martti. Statistical analyses of Higgs- and Z-portal dark matter models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115014., Registrované v: WOS
23. [1.1] EVERETT, Lisa L. - GARON, Todd - KAUFMAN, Bryan L. - NELSON, Brent D. Mirage models confront the LHC. III. Deflected mirage mediation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055031., Registrované v: WOS
24. [1.1] FERRETTI, Gabriele - FRANCESCHINI, Roberto - PETERSSON, Christoffer - TORRE, Riccardo. Monojetlike Searches for Top Squarks with a b Tag. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 20, art. no. 201801., Registrované v: WOS
25. [1.1] GARNY, Mathias - IBARRA, Alejandro - VOGL, Stefan. Signatures of Majorana dark matter with t-channel mediators. In INTERNATIONAL JOURNAL OF MODERN PHYSICS D. ISSN 0218-2718, 2015, vol. 24, no. 7, art. no. 1530019., Registrované v: WOS
26. [1.1] GONCALVES, Dorival - SAKURAI, Kazuki - TAKEUCHI, Michihisa. Monotop signature from the supersymmetric t(t)over-barH channel. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075009., Registrované v: WOS
27. [1.1] GROEBER, Ramona - MUEHLLEITNER, Margarete - POPENDA, Eva - WLOTZKA, Alexander. Light stop decays into

- Wb(chi)over-tilde(1)(0) near the kinematic threshold. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 144-151., Registrované v: WOS
28. [1.1] HAMAGUCHI, Koichi - LIEW, Seng Pei. Models of a 750 GeV quarkonium and the LHC excesses. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035012., Registrované v: WOS
29. [1.1] CHAKRABORTY, Sabyasachi - DATTA, AseshKrishna - HUITU, Katri - ROY, Sourov - WALTARI, Harri. Light top squarks in a U(1)(R) lepton number model with a right handed neutrino and the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075005., Registrované v: WOS
30. [1.1] CHOUDHURY, Debajyoti - GHOSH, Kirtiman. Bounds on universal extra dimension from LHC run I and II data. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 763, pp. 155-160., Registrované v: WOS
31. [1.1] CHOWDHURY, Debtosh - PATEL, Ketan M. - TATA, Xerxes - VEMPATI, Sudhir K. Indirect searches of the degenerate MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075025., Registrované v: WOS
32. [1.1] IBARRA, A. - PIERCE, A. - SHAH, N. R. - VOGL, S. Anatomy of coannihilation with a scalar top partner. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 9, art. no. 095018., Registrované v: WOS
33. [1.1] KATS, Yevgeny. Measuring polarization of light quarks at ATLAS and CMS. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 071503., Registrované v: WOS
34. [1.1] KATZ, Andrey - PERELSTEIN, Maxim - RAMSEY-MUSOLF, Michael J. - WINSLOW, Peter. Stop-catalyzed baryogenesis beyond the MSSM. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095019., Registrované v: WOS
35. [1.1] KAUFMAN, Bryan - NATH, Pran - NELSON, Brent D. - SPISAK, Andrew B. Light stops and observation of supersymmetry at LHC run II. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095021., Registrované v: WOS
36. [1.1] KIM, Doojin - PARK, Myeonghun. Enhancement of new physics signal sensitivity with mistagged charm quarks. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 758, pp. 190-194., Registrované v: WOS
37. [1.1] KIM, Jong Soo - SCHMEIER, Daniel - TATTERSALL, Jamie. Role of the 'N' in the natural NMSSM for the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055018., Registrované v: WOS
38. [1.1] KOBAKHIDZE, Archil - LIU, Ning - WU, Lei - YANG, Jin Min - ZHANG, Mengchao. Closing up a light stop window in natural SUSY at LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 755, pp. 76-81., Registrované v: WOS
39. [1.1] KONAR, Partha - MONDAL, Tanmoy - SWAIN, Abhaya Kumar. Demystifying the compressed top squark region with kinematic variables. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 095011., Registrované v: WOS
40. [1.1] KONAR, Partha - MONDAL, Tanmoy - SWAIN, Abhaya Kumar. Constraining slepton and chargino through compressed top squark search. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 4, art. no. 024., Registrované v: WOS
41. [1.1] KRAEMER, Michael - MUEHLLEITNER, Margarete.

- Higher-order QCD corrections to supersymmetric particle production and decay at the LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2015, vol. 261, pp. 232-245., Registrované v: WOS
42. [1.1] LI, Jinmian - THOMAS, Anthony W. Bottom quark contribution to spin-dependent dark matter detection. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 906, pp. 60-76., Registrované v: WOS
43. [1.1] PEREZ, Gilad - SOREQ, Yotam - STAMOU, Emmanuel - TOBIOKA, Kohsaku. Constraining the charm Yukawa and Higgs-quark coupling universality. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 033016., Registrované v: WOS
44. [1.1] PEREZ, Gilad - SOREQ, Yotam - STAMOU, Emmanuel - TOBIOKA, Kohsaku. Prospects for measuring the Higgs boson coupling to light quarks. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1., Registrované v: WOS
45. [1.1] RAZA, Shabbar - SHAFI, Qaisar - UN, Cem Salih. NLSP gluino and NLSP stop scenarios from b tau Yukawa unification. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 055010., Registrované v: WOS
46. [1.1] ROLBIECKI, Krzysztof - TATTERSALL, Jamie. Refining light stop exclusion limits with W+W- cross sections. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 750, pp. 247-251., Registrované v: WOS
47. [1.1] Ruling Out Light Stops. In BEYOND STANDARD MODEL COLLIDER PHENOMENOLOGY OF HIGGS PHYSICS AND SUPERSYMMETRY. ISSN 2190-5053, 2016, pp. 75-94., Registrované v: WOS
48. [1.1] SCHLAFFER, M. - SPANNOVSKY, M. - WEILER, A. Searching for supersymmetry scalelessly. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 8, art. no. 457., Registrované v: WOS

ADCA1025 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for photonic signatures of gauge-mediated supersymmetry in 13 TeV pp collisions with the ATLAS detector. In *Physical Review D*, 2018, vol. 97, no. 9, art. no. 092006. (2017: 4.394 - IF, Q1 - JCR, 1.801 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.97.092006>

Ohlasy:

1. [1.1] AHRICHE, A. - ARHRIB, A. - JUEID, A. - NASRI, S. - DE LA PUENTE, A. Mono-Higgs signature in the scotogenic model with Majorana dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 27 2020, vol. 101, no. 3., Registrované v: WOS
2. [1.1] AYAZI, S.Y. - MOHAMADNEJAD, A. Scale-invariant two-component dark matter. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 15 2019, vol. 79, no. 2., Registrované v: WOS
3. [1.1] BELL, N.F. - DOLAN, M.J. - FRIEDRICH, L.S. - RAMSEY-MUSOLF, M.J. - VOLKAS, R.R. Two-step electroweak symmetry-breaking: theory meets experiment. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 11 2020, no. 5., Registrované v: WOS

4. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
5. [1.1] DEMIDOV, S. - GORBUNOV, D. - KRIUKOVA, E. Sgoldstino signature in hh, W+W- and ZZ spectra at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 20 2020, no. 5., Registrované v: WOS
6. [1.1] DOMINGO, F. - KIM, J.S. - LOZANO, V.M. - MARTIN-RAMIRO, P. - DE AUSTRI, R.R. Confronting the neutralino and chargino sector of the NMSSM with the multilepton searches at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 8 2020, vol. 101, no. 7., Registrované v: WOS
7. [1.1] KIM, J.S. - KRAUSS, M.E. - LOZANO, V.M. - STAUB, F. Illuminating stealth scenarios at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 25 2020, vol. 101, no. 3., Registrované v: WOS
8. [1.1] KIM, J.S. - POKORSKI, S. - ROLBIECKI, K. - SAKURAI, K. Gravitino vs. neutralino LSP at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 11 2019, no. 9., Registrované v: WOS

ADCA1026 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for photonic signatures of gauge-mediated supersymmetry in 8 TeV pp collisions with the ATLAS detector. In *Physical Review D*, 2015, vol. 92, no. 7, art. no. 072001. (2014: 4.643 - IF, Q1 - JCR, 2.414 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.92.072001>

Ohlasy:

1. [1.1] AHMED, Aqeel. Heavy Higgs of the Twin Higgs models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 048., Registrované v: WOS
2. [1.1] BELLAZZINI, Brando - MARIOTTI, Alberto - REDIGOLO, Diego - SALA, Filippo - SERRA, Javi. R-Axion at Colliders. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 14, art. no. 141804., Registrované v: WOS
3. [1.1] EGANA-UGRINOVIC, Daniel - LOW, Matthew - RUDERMAN, Joshua T. Charged fermions below 100 GeV. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 012., Registrované v: WOS
4. [1.1] GHOSH, Pradipta - LARA, Inaki - LOPEZ-FOGLIANI, Daniel E. - MUNOZ, Carlos - DE AUSTRI, Roberto Ruiz. Searching for left sneutrino LSP at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 18-19, art. no. 1850110., Registrované v: WOS
5. [1.1] HOOK, Anson - MCGEHEE, Robert - MURAYAMA, Hitoshi. Cosmologically viable low-energy supersymmetry breaking. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115036., Registrované v: WOS
6. [1.1] CHO, Won Sang - KIM, Doojin - KONG, Kyoungchul - LIM, Sung Hak - MATCHEV, Konstantin T. - PARK, Jong-Chul - PARK, Myeonghun. 750 GeV Diphoton Excess May Not Imply a 750 GeV Resonance.

In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 15, art. no. 151805., Registrované v: WOS

7. [1.1] KIM, Jong Soo - KRAUSS, Manuel E. - LOZANO, Victor Martin. Probing the electroweakino sector of general gauge mediation at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 150-157., Registrované v: WOS

8. [1.1] LU, Xiaochuan - SHIRAI, Satoshi. Low-scale gauge mediation after LHC Run 2. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 784, pp. 237-247., Registrované v: WOS

ADCA1027 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for Production of Resonant States in the Photon-Jet Mass Distribution Using pp Collisions at root s=7 TeV Collected by the ATLAS Detector. In *Physical Review Letters*, 2012, vol. 108, no. 21, art. no. 211802. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

1. [1.1] KATS, Yevgeny - STRASSLER, Matthew J. Resonances from QCD bound states and the 750 GeV diphoton excess (vol 05, 092, 2016). In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art. no. 044., Registrované v: WOS

2. [1.1] KATS, Yevgeny - STRASSLER, Matthew J. Resonances from QCD bound states and the 750 GeV diphoton excess. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 092., Registrované v: WOS

ADCA1028 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at root s=8 TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2015, vol. 2015, no. 8, art. no. 105. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP08\(2015\)105](https://doi.org/10.1007/JHEP08(2015)105)

Ohlasy:

1. [1.1] AGARWAL, Bakul - ISAACSON, Joshua - MOHAN, Kirtimaan A. Minimal dilaton model and the diphoton excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035027., Registrované v: WOS

2. [1.1] ALTMANNSHOFER, Wolfgang - GALLOWAY, Jamison - GORI, Stefania - KAGAN, Alexander L. - MARTIN, Adam - ZUPAN, Jure. 750 GeV diphoton excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 095015., Registrované v: WOS

3. [1.1] ALVAREZ, Ezequiel - FAROUGHY, Darius A. - KAMENIK, Jernej F. - MORALES, Roberto - SZYNKMAN, Alejandro. Four tops for LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 915, pp. 19-43., Registrované v: WOS

4. [1.1] ANGELESCU, Andrei - DJOUADI, Abdelhak - MOREAU, Gregory. Scenarii for interpretations of the LHC diphoton excess: Two Higgs

- doublets and vector-like quarks and leptons. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 756, pp. 126-132., Registrované v: WOS
5. [1.1] ARHRIB, A. - BENBRIK, R. - EL FALAKI, J. - SAMPAIO, M. - SANTOS, R. Pseudoscalar decays to gauge bosons at the LHC and at a future 100 TeV collider. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 27 2019, vol. 99, no. 3., Registrované v: WOS
 6. [1.1] BALLESTEROS, Guillermo - CARMONA, Adrian - CHALA, Mikael. Exceptional composite dark matter. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 7, art. no. 468., Registrované v: WOS
 7. [1.1] BELANGER, Genevieve - DELAUNAY, Cedric. Dark sector for $g(\mu)$ -2, R-K and a 750 GeV diphoton resonance. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075019., Registrované v: WOS
 8. [1.1] BERTUZZO, Enrico - MACHADO, Pedro A. N. - PEREZ-GONZALEZ, Yuber F. - FUNCHAL, Renata Zukanovich. Constraints from triple gauge couplings on vectorlike leptons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035035., Registrované v: WOS
 9. [1.1] BHATTACHERJEE, Biplob - BYAKTI, Pritibhajan - KUSHWAHA, Ashwani - VEMPATI, Sudhir K. Unification with vector-like fermions and signals at LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 090., Registrované v: WOS
 10. [1.1] CACCIAPAGLIA, Giacomo - PAROLINI, Alberto. Light't Hooft top partners. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 071701., Registrované v: WOS
 11. [1.1] CACCIAPAGLIA, G. - DEANDREA, A. - FLACKE, T. - IYER, A.M. Gluon-photon signatures for color octet at the LHC (and beyond). In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 7 2020, no. 5., Registrované v: WOS
 12. [1.1] CAI, Yi - GARCIA, Juan Herrero - SCHMIDT, Michael A. - VICENTE, Avelino - VOLKAS, Raymond R. From the Trees to the Forest: A Review of Radiative Neutrino Mass Models. In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2017, vol. 5, art. no. 63., Registrované v: WOS
 13. [1.1] CARPENTER, L.M. - MURPHY, T. - SMYLIE, M.J. Exploring color-octet scalar parameter space in minimal R-symmetric models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 9 2020, no. 11., Registrované v: WOS
 14. [1.1] CVETIC, Mirjam - HALVERSON, James - LANGACKER, Paul. String consistency, heavy exotics, and the 750 GeV diphoton excess at the LHC. In FORTSCHRITTE DER PHYSIK-PROGRESS OF PHYSICS. ISSN 0015-8208, 2016, vol. 64, no. 10, pp. 748-782., Registrované v: WOS
 15. [1.1] DAVOUDIASL, Hooman - GIARDINO, Pier Paolo - ZHANG, Cen. Asymmetric dark matter in extended exo-Higgs scenarios. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 772, pp. 512-516., Registrované v: WOS
 16. [1.1] DE SIMONE, Andrea - JACQUES, Thomas. Simplified models vs. effective field theory approaches in dark matter searches. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 7, art. no. 367., Registrované v: WOS
 17. [1.1] FARINA, Marco - MONTEUX, Angelo - SHIN, Chang Sub. Twin mechanism for baryon and dark matter asymmetries. In PHYSICAL

- REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035017.,
Registrované v: WOS
18. [1.1] FLACKE, Thomas. Search strategies for vector-like quark partners at LHC run-II. In XLVI INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2016). ISSN 2100-014X, 2017, vol. 141, art. no. UNSP 02002., Registrované v: WOS
19. [1.1] FUKS, Benjamin - SHAO, Hua-Sheng. QCD next-to-leading-order predictions matched to parton showers for vector-like quark models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 2, art. no. 135., Registrované v: WOS
20. [1.1] FUKUDA, Hajime - IBE, Masahiro - SUZUKI, Motoo - YANAGIDA, Tsutomu T. Gauged Peccei-Quinn symmetry A case of simultaneous breaking of SUSY and PQ symmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 128., Registrované v: WOS
21. [1.1] GARDNER, S. - YAN, X.S. Processes that break baryon number by two units and the Majorana nature of the neutrino. In PHYSICS LETTERS B. ISSN 0370-2693, MAR 10 2019, vol. 790, p. 421-426., Registrované v: WOS
22. [1.1] GORI, Stefania - KIM, Ian-Woo - SHAH, Nausheen R. - ZUREK, Kathryn M. Closing the wedge: Search strategies for extended Higgs sectors with heavy flavor final states. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075038., Registrované v: WOS
23. [1.1] HAMADA, Yuta - KAWAI, Hikaru - KAWANA, Kiyoharu - TSUMURA, Koji. Models of the LHC diphoton excesses valid up to the Planck scale. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 014007., Registrované v: WOS
24. [1.1] HAYRETER, Alper - VALENCIA, German. LHC constraints on color octet scalars. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035004., Registrované v: WOS
25. [1.1] CHALA, Mikael - GROBER, Ramona - SPANNOWSKY, Michael. Searches for vector-like quarks at future colliders and implications for composite Higgs models with dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 040., Registrované v: WOS
26. [1.1] CHALA, Mikael. Direct bounds on heavy topline quarks with standard and exotic decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015028., Registrované v: WOS
27. [1.1] CHANG, Spencer. Simple U(1) gauge theory explanation of the diphoton excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055016., Registrované v: WOS
28. [1.1] CHATTERJEE, Arindam - DUTTA, Juhi - RAI, Santosh Kumar. Natural SUSY at LHC with right-sneutrino LSP. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 042., Registrované v: WOS
29. [1.1] CHEUNG, Kingman - KO, P. - LEE, Jae Sik - PARK, Jubin - TSENG, Po-Yan. Higgs precision study of the 750 GeV diphoton resonance and the 125 GeV standard model Higgs boson with Higgs-singlet mixing. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 033010., Registrované v: WOS
30. [1.1] KIM, Jeong Han - KONG, Kyoungchul - LEE, Seung J. -

MOHLABENG, Gopolang. Probing TeV scale top-philic resonances with boosted top-tagging at the high luminosity LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035023., Registrované v: WOS 31. [1.1] KNAPEEN, Simon - MELIA, Tom - PAPUCCI, Michele - ZUREK, Kathryn M. Rays of light from the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075020., Registrované v: WOS 32. [1.1] LOPEZ-FOGLIANI, D. E. - MUNOZ, C. On a reinterpretation of the Higgs field in supersymmetry and a proposal for new quarks. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 771, pp. 136-141., Registrované v: WOS 33. [1.1] RAISSI, D.H. - TIZCHANG, S. - NAJAFABADI, M.M. Loop induced singlet scalar production through the vector like top quark at future lepton colliders. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JUL 2020, vol. 47, no. 7., Registrované v: WOS 34. [1.1] SONG, J. - YOON, Y.W. W gamma decay of the elusive charged Higgs boson in the two-Higgs-doublet model with vectorlike fermions. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 6 2019, vol. 100, no. 5., Registrované v: WOS 35. [1.1] ZIDI, Mohamed Sadek. NLO QCD corrections to single vector-like top partner production in association with top quark at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 123., Registrované v: WOS

ADCA1029 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for production of WW/WZ resonances decaying to a lepton, neutrino and jets in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *European Physical Journal C*, 2015, vol. 75, no. 5, art. no. 209. (2014: 5.084 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-015-3425-6>

Ohlasy:

1. [1.1] AARRESTAD, T. Searching for diboson resonances in the boosted all-hadronic final state at $\sqrt{s}=13$ TeV with CMS. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, OCT 20 2020, vol. 35, no. 32., Registrované v: WOS
2. [1.1] ABBAS, Gauhar. Low scale left-right-right-left symmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015029., Registrované v: WOS
3. [1.1] ABBAS, Gauhar. Right-right-left extension of the Standard Model. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 19, art. no. 1650117., Registrované v: WOS
4. [1.1] AHMADOV, A.I. W Boson Pair Production in Association with the Photon in Proton-Proton Collisions at LHC Energies. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, SEP 2019, vol. 58, no. 9, p. 2770-2794., Registrované v: WOS
5. [1.1] ALLANACH, B. C. - GRIPAIO, Ben - SUTHERLAND, Dave. Anatomy of the ATLAS diboson anomaly. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 5, art. no. 055003., Registrované v: WOS
6. [1.1] ARBUZOV, Boris A. - ZAITSEV, Ivan V. On a possibility of a

consistent interpretation of diboson excesses at LHC. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 26, art. no. 1650144., Registrované v: WOS

7. [1.1] ARBUZOV, Boris A. - ZAITSEV, Ivan V. Upgraded LHC experiments as a check of non-perturbative effects of the Electro-Weak Interaction. In 19TH INTERNATIONAL SEMINAR ON HIGH ENERGY PHYSICS (QUARKS-2016). ISSN 2100-014X, 2016, vol. 125, art. no. UNSP 02002., Registrované v: WOS

8. [1.1] AWASTHI, Ram Lal - DEV, P. S. Bhupal - MITRA, Manimala. Implications of the diboson excess for neutrinoless double beta decay and lepton flavor violation in TeV scale left-right symmetric model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 011701., Registrované v: WOS

9. [1.1] BHATTACHERJEE, Biplob - BYAKTI, Pritibhajan - KHOSA, Charanjit K. - LAHIRI, Jayita - MENDIRATTA, Gaurav. Alternative search strategies for a BSM resonance fitting the ATLAS diboson excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075015., Registrované v: WOS

10. [1.1] CACCIAPAGLIA, Giacomo - DEANDREA, Aldo - HASHIMOTO, Michio. Scalar Hint from the Diboson Excess? In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 17, art. no. 171802., Registrované v: WOS

11. [1.1] DEPPISCH, Frank F. - GRAF, Lukas - KULKARNI, Suchita - PATRA, Sudhanwa - RODEJOHANN, Werner - SAHU, Narendra - SARKAR, Utpal. Reconciling the 2 TeV excesses at the LHC in a linear seesaw left-right model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 013011., Registrované v: WOS

12. [1.1] DEV, P. S. Bhupal - MOHAPATRA, R. N. Unified Explanation of the $eejj$, Diboson, and Dijet Resonances at the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 18, art. no. 181803., Registrované v: WOS

13. [1.1] DI CHIARA, Stefano - MARZOLA, Luca - RAIDAL, Martti. First interpretation of the 750 GeV diphoton resonance at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 095018., Registrované v: WOS

14. [1.1] DOBRESCU, Bogdan A. - LIU, Zhen. W ' Boson near 2 TeV: Predictions for Run 2 of the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 21, art. no. 211802., Registrované v: WOS

15. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS

16. [1.1] DU PREE, Suzan Basegmez. FIRST RUN 2 SEARCHES FOR EXOTICA AT CMS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 6, pp. 1379-1395., Registrované v: WOS

17. [1.1] ENGLERT, Christoph - HARRIS, Philip - SPANNOWSKY, Michael - TAKEUCHI, Michihisa. Unitarity-controlled resonances after the Higgs boson discovery. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 013003., Registrované v: WOS

18. [1.1] FRANZOSI, Diogo Buarque - FRANDSEN, Mads T. - SANNINO, Francesco. Diboson signals via Fermi scale spin-one states. In

- PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 115005., Registrované v: WOS
19. [1.1] HAN, Chengcheng - LEE, Hyun Min - PARK, Myeonghun - SANZ, Veronica. The diphoton resonance as a gravity mediator of dark matter. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 755, pp. 371-379., Registrované v: WOS
20. [1.1] LAPSIEN, T. - KOGLER, R. - HALLER, J. A new tagger for hadronically decaying heavy particles at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 11, art. no. 600., Registrované v: WOS
21. [1.1] LOW, Matthew - TESI, Andrea - WANG, Lian-Tao. Composite spin-1 resonances at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 8, art. no. 085019., Registrované v: WOS
22. [1.1] MANDAL, Tanumoy. Exclusion Limits on a Scalar Decaying to Photons and Distinguishing Its Production Mechanisms. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2018, art. no. 9150617., Registrované v: WOS
23. [1.1] SANZ, Veronica. On the Compatibility of the Diboson Excess with a gg-Initiated Composite Sector. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 3279568., Registrované v: WOS
24. [1.1] SERENKOVA, I.A. - OSLAND, P. - PANKOV, A.A. Improved bounds on W-W' mixing with ATLAS resonant WZ production data at the LHC at root s=13 TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 8 2019, vol. 100, no. 1., Registrované v: WOS
25. [1.1] SHU, Jing - YEPES, Juan. Diboson excess and Z'-predictions via left-right nonlinear Higgs. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 40, art. no. 1650228., Registrované v: WOS
26. [1.1] SHU, Jing - YEPES, Juan. Left-Right Non-Linear Dynamical Higgs. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2016, vol. 66, no. 6, pp. 643-662., Registrované v: WOS
27. [1.1] THAMM, Andrea - TORRE, Riccardo - WULZER, Andrea. Composite Heavy Vector Triplet in the ATLAS Diboson Excess. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 22, art. no. 221802., Registrované v: WOS

ADCA1030 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for Quantum Black Hole Production in High-Invariant-Mass Lepton plus Jet Final States Using pp Collisions at root s=8 TeV and the ATLAS Detector. In *Physical Review Letters*, 2014, vol. 112, no. 9, art. no. 091804. (2013: 7.728 - IF, Q1 - JCR, 5.674 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

1. [1.1] ALI, Ahmed Farag - FAIZAL, Mir - KHALIL, Mohammed M. Absence of black holes at LHC due to gravity's rainbow. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 743, pp. 295-300., Registrované v: WOS
2. [1.1] ANCHORDOQUI, L.A. - CANAL, C.G. - SORIANO, J.F. Probing strong dynamics with cosmic neutrinos. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 1 2019, vol. 100, no. 10., Registrované v: WOS
3. [1.1] ARSENE, Nicusor - CASADIO, Roberto - MICU, Octavian. Quantum production of black holes at colliders. In EUROPEAN PHYSICAL

JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 7, art. no. 384., Registrované v: WOS

4. [1.1] BUONOCORE, L. - HAISCH, U. - NASON, P. - TRAMONTANO, F. - ZANDERIGHI, G. Lepton-Quark Collisions at the Large Hadron Collider. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, DEC 2 2020, vol. 125, no. 23., Registrované v: WOS
5. [1.1] CARDOSO, Vitor - GUALTIERI, Leonardo - HERDEIRO, Carlos - SPERHAK, Ulrich. Exploring New Physics Frontiers Through Numerical Relativity. In LIVING REVIEWS IN RELATIVITY. ISSN 1433-8351, 2015, vol. 18, art. no. 1., Registrované v: WOS
6. [1.1] COELHO, Flavio S. - SAMPAIO, Marco O. P. Radiation from a D-dimensional collision of shock waves: Two-dimensional reduction and Carter-Penrose diagram. In INTERNATIONAL JOURNAL OF MODERN PHYSICS D. ISSN 0218-2718, 2016, vol. 25, no. 9, art. no. 1641010., Registrované v: WOS
7. [1.1] DANSHITA, Ippei - HANADA, Masanori - TEZUKA, Masaki. Creating and probing the Sachdev-Ye-Kitaev model with ultracold gases: Towards experimental studies of quantum gravity. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2017, no. 8, art. no. 083I01., Registrované v: WOS

ADCA1031 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIWA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for quark contact interactions in dijet angular distributions in pp collisions at root s=7 TeV measured with the ATLAS detector. In *Physics Letters B*, 2011, vol. 694, no. 4-5, p. 327-345. (2010: 5.255 - IF, Q1 - JCR, 3.103 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2010.10.021>

Ohlasy:

1. [1.1] ALIOLI, Simone - FARINA, Marco - PAPPADOPULO, Duccio - RUDERMAN, Joshua T. Precision probes of QCD at high energies. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 7, art. no. 097., Registrované v: WOS
2. [1.1] BRYNGEMARK, Lene Kristian. The Standard Model and Beyond. In SEARCH FOR NEW PHENOMENA IN DIJET ANGULAR DISTRIBUTIONS AT (ROOT)S = 8 AND 13 TEV. ISSN 2190-5053, 2017, pp. 9-29., Registrované v: WOS
3. [1.1] ÇAKIR, M.P. - ACARTURK, C. - ALKAN, S. - AKBULUT, U. Multi-authoring and its impact on university rankings: a case study of CERN effect on Turkish universities. In STUDIES IN HIGHER EDUCATION. ISSN 0307-5079, JUN 3 2019, vol. 44, no. 6, p. 1052-1068., Registrované v: WOS
4. [1.1] DE VRIES, Maikel. Four-quark effective operators at hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 3, art. no. 095., Registrované v: WOS
5. [1.1] DUNN, Henry A. - PATIL, Dipak N. - CAO, Yan - ORLANDI, Cesare - MARTEMYANOV, Kirill A. Synaptic adhesion protein ELFN1 is a selective allosteric modulator of group III metabotropic glutamate receptors in trans. In PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. ISSN 0027-8424, 2018, vol. 115, no. 19, pp. 5022-5027., Registrované v: WOS

6. [1.1] RABBERTZ, Klaus. Cross Section Ratios. In JET PHYSICS AT THE LHC: THE STRONG FORCE BEYOND THE TEV SCALE. ISSN 0081-3869, 2017, vol. 268, pp. 145-161., Registrované v: WOS
7. [1.1] RABBERTZ, Klaus. Future Perspectives. In JET PHYSICS AT THE LHC: THE STRONG FORCE BEYOND THE TEV SCALE. ISSN 0081-3869, 2017, vol. 268, pp. 199-212., Registrované v: WOS
8. [1.1] Search for new phenomena in events with high jet multiplicity and low missing transverse momentum in proton-proton collisions at root $s=8\text{TeV}$. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 770, pp. 257-267., Registrované v: WOS

ADCA1032 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at root $s=7\text{ TeV}$. In *Journal of High Energy Physics*, 2013, vol. 2013, no. 1, art. no. 116. (2012: 5.618 - IF, 1.475 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1029-8479.

Ohlasy:

1. [1.1] ALIEV, T. M. - BILMIS, S. - SOLMAZ, M. - TURAN, I. Scalar unparticle signals at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095005., Registrované v: WOS
2. [1.1] BILLUR, A.A. - KOKSAL, M. - GUTIERREZ-RODRIGUEZ, A. - HERNANDEZ-RUIZ, M.A. Projections for model-independent limit estimates on top-quark anomalous electromagnetic couplings at the FCC-he. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, NOV 2019, vol. 134, no. 11., Registrované v: WOS
3. [1.1] ENGLERT, Christoph - MOORE, Liam - NORDSTROEM, Karl - RUSSELL, Michael. Giving top quark effective operators a boost. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 763, pp. 9-15., Registrované v: WOS
4. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS
5. [1.1] KUEHN, J. H. - SCHARF, A. - UWER, P. Weak interactions in top-quark pair production at hadron colliders: An update. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 014020., Registrované v: WOS
6. [1.1] LAPSIEN, T. - KOGLER, R. - HALLER, J. A new tagger for hadronically decaying heavy particles at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 11, art. no. 600., Registrované v: WOS
7. [1.1] LARKOSKI, Andrew J. - MOULT, Ian - NEILL, Duff. Building a better boosted top tagger. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 034035., Registrované v: WOS
8. [1.1] SCHMALTZ, M. - ZHONG, Y.M. The leptoquark Hunter's guide: large coupling. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 15 2019, no. 1., Registrované v: WOS

ADCA1033 AALTONEN, T. - AMERIO, S. - AMIDEI, D. - ANASTASSOV, A. - ANNOVI, Alberto - ANTOŠ, Jaroslav - LYSÁK, Roman. Search for Resonances

Decaying to Top and Bottom Quarks with the CDF Experiment. In *Physical Review Letters*, 2015, vol. 115, no. 6, art. no. 061801. (2014: 7.512 - IF, Q1 - JCR, 5.232 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na:
<https://doi.org/10.1103/PhysRevLett.115.061801>

Ohlasy:

1. [1.1] BOOS, E. E. - BRANDT, O. E. - DENISOV, D. S. - DENISOV, S. P. - GRANNIS, P. D. The top quark (20 years after its discovery). In *PHYSICS-USPEKHI*. ISSN 1063-7869, 2015, vol. 58, no. 12, pp. 1133-1158., Registrované v: WOS

ADCA1034 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for resonances in diphoton events at $\sqrt{s}=13\text{TeV}$ with the ATLAS detector. In *Journal of High Energy Physics*, 2016, vol. 2016, no. 9, art. no. 001. (2015: 6.023 - IF, Q1 - JCR, 1.343 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na:
[https://doi.org/10.1007/JHEP09\(2016\)001](https://doi.org/10.1007/JHEP09(2016)001)

Ohlasy:

1. [1.1] ALANNE, Tommi - FRANDSEN, Mads T. - FRANZOSI, Diogo Buarque. Testing a dynamical origin of standard model fermion masses. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 071703., Registrované v: WOS
2. [1.1] ALLANACH, B. C. - BHATIA, D. - IYER, Abhishek M. Dissecting multi-photon resonances at the large hadron collider. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 595., Registrované v: WOS
3. [1.1] ARANDA, J. I. - ESPINOSA-GOMEZ, D. - MONTANO, J. - QUEZADAS-VIVIAN, B. - RAMIREZ-ZAVALA, F. - TUTUTI, E. S. Flavor violation in chromo- and electromagnetic dipole moments induced by Z' gauge bosons and a brief revisit of the Standard Model. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 116003., Registrované v: WOS
4. [1.1] ARCADI, G. - DJOUADI, A. - RAIDAL, M. Dark Matter through the Higgs portal. In *PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS*. ISSN 0370-1573, FEB 3 2020, vol. 842, p. 1-180., Registrované v: WOS
5. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. - MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of heavy Higgs bosons decaying invisibly at the LHC. In *NUCLEAR PHYSICS B*. ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS
6. [1.1] BABU, K. S. - GOGOLADZE, Ilia - KHAN, S. Radiative electroweak symmetry breaking in standard model extensions. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095013., Registrované v: WOS
7. [1.1] BAHRAMI, Sahar - FRANK, Mariana - GHOSH, Dilip Kumar - GHOSH, Nivedita - SAHA, Ipsita. Dark matter and collider studies in the left-right symmetric model with vectorlike leptons. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095024., Registrované v: WOS
8. [1.1] BARMAN, Rahool Kumar - BHATTACHERJEE, Biplob - CHAKRABORTY, Amit - CHOUDHURY, Arghya. Study of MSSM heavy

- Higgs bosons decaying into charginos and neutralinos. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075013., Registrované v: WOS
9. [1.1] BAUER, Martin - BUTTER, Anja - GONZALEZ-FRAILE, J. - PLEHN, Tilman - RAUCH, Michael. Learning from a Higgs-like scalar resonance. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055011., Registrované v: WOS
10. [1.1] BAUM, S. - SHAH, N.R. - FREESE, K. The NMSSM is within reach of the LHC: mass correlations & decay signatures. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 1 2019, no. 4., Registrované v: WOS
11. [1.1] BEDNYAKOV, Alexander - RUTBERG, Veronika. FCNC decays of the Higgs bosons in the BGL model. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2018, vol. 33, no. 31, art. no. 1850152., Registrované v: WOS
12. [1.1] BELANGER, Genevieve - DELAUNAY, Cedric. Dark sector for $g(\mu)\text{-}2$, R-K and a 750 GeV diphoton resonance. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075019., Registrované v: WOS
13. [1.1] BIEKOETTER, Anke - HEWETT, JoAnne L. - KIM, Jong Soo - KRAEMER, Michael - RIZZO, Thomas G. - ROLBIECKI, Krzysztof - TATTERSALL, Jamie) - WEBER, Torsten. Complementarity of resonant scalar, vector-like quark and superpartner searches in elucidating new phenomena. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 5, art. no. 1750032., Registrované v: WOS
14. [1.1] BI, Xiao-Jun - KANG, Zhaofeng - KO, P. - LI, Jinmian - LI, Tianjun. Asymmetric dark matter bound state. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 4, art. no. 043540., Registrované v: WOS
15. [1.1] BORDES, Jose - CHAN HONG-MO - TSUN, Tsou Sheung. A closer study of the framed standard model yielding testable new physics plus a hidden sector with dark matter candidates. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 33, art. no. 1850195., Registrované v: WOS
16. [1.1] CAMPBELL, John M. - ROJO, Juan - SLADE, Emma - WILLIAMS, Ciaran. Direct photon production and PDF fits reloaded. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 470., Registrované v: WOS
17. [1.1] CLINE, James M. - HUANG, Weicong - MOORE, Guy D. Challenges for models with composite states. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055029., Registrované v: WOS
18. [1.1] CONSOLI, M. - COSMAI, L. The mass scales of the Higgs field. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, JUL 20 2020, vol. 35, no. 20., Registrované v: WOS
19. [1.1] CORNELL, A.S. - DEANDREA, A. - FUKS, B. - MASON, L. Future lepton collider prospects for a ubiquitous composite pseudoscalar. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 31 2020, vol. 102, no. 3., Registrované v: WOS
20. [1.1] DOBRESCU, Bogdan A. - FOX, Patrick J. - KEARNEY, John. Multi-step production of a diphoton resonance. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 6, art. no. 065003., Registrované v: WOS
21. [1.1] FOWLIE, Andrew. Bayes factor of the ATLAS diphoton excess:

- Using Bayes factors to understand anomalies at the LHC. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2017, vol. 132, no. 1, art. no. 46., Registrované v: WOS
22. [1.1] GURSKAYA, A. V. - DOLGOPOLOV, M. V. - RYKOVA, E. N. Higgs bosons in standard model extensions. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, 2017, vol. 48, no. 5, pp. 822-826., Registrované v: WOS
23. [1.1] CHIVUKULA, R. Sekhar - ITTISAMAI, Pawin - MOHAN, Kirtimaan - SIMMONS, Elizabeth H. Simplified limits on resonances at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 094029., Registrované v: WOS
24. [1.1] CHOUDHURY, Arghya - MONDAL, Subhadeep. Revisiting the exclusion limits from direct chargino-neutralino production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055024., Registrované v: WOS
25. [1.1] IVANOV, Igor P. Building and testing models with extended Higgs sectors. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 160-208., Registrované v: WOS
26. [1.1] KAZAKOV, D.I. Prospects of elementary particle physics. In PHYSICS-USPEKHI. ISSN 1063-7869, 2019, vol. 62, no. 4, p. 364-377., Registrované v: WOS
27. [1.1] KO, P. - NOMURA, Takaaki. Phenomenology of dark matter in chiral U(1)(X) dark sector. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 115015., Registrované v: WOS
28. [1.1] KO, P. - YU, Chaehyun - YUAN, Tzu-Chiang. Probing a new strongly interacting sector via composite diboson resonances. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115034., Registrované v: WOS
29. [1.1] LILLARD, B. - PLEHN, T. - ROMERO, A. - TAIT, T.M.P. Multi-scale mining of kinematic distributions with wavelets. In SCIPOST PHYSICS. ISSN 2542-4653, MAR 2020, vol. 8, no. 3., Registrované v: WOS
30. [1.1] NOMURA, Takaaki - OKADA, Hiroshi. Extended colored Zee-Babu model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075021., Registrované v: WOS
31. [1.1] TIAN, Junping - FUJII, Keisuke - YOKOYA, Hiroshi. Diphoton resonances at the ILC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 095015., Registrované v: WOS

ADCA1035 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for resonances in the mass distribution of jet pairs with one or two jets identified as b-jets in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Physics Letters B*, 2016, vol. 759, p. 229-246. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2016.05.064>

Ohlasy:

1. [1.1] BARBIERI, Riccardo - TESI, Andrea. B-decay anomalies in Pati-Salam SU(4). In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 193., Registrované v: WOS

2. [1.1] BELL, Nicole F. - BUSONI, Giorgio - SANDERSON, Isaac W. Two Higgs doublet dark matter portal. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 1, art. no. 015., Registrované v: WOS
3. [1.1] EGANA-UGRINOVIC, D. - HOMILLER, S. - MEADE, P. Higgs bosons with large couplings to light quarks. In PHYSICAL REVIEW D. ISSN 1550-7998, DEC 23 2019, vol. 100, no. 11., Registrované v: WOS
4. [1.1] FREITAS, Ayres - WIEGAND, Daniel. QCD corrections to massive color-octet vector boson pair production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 9, art. no. 058., Registrované v: WOS
5. [1.1] CHEUNG, Kingman - KEUNG, Wai-Yee - TSENG, Po-Yan. Lepton-Flavor-violating Z' using the electron-muon channel at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075006., Registrované v: WOS
6. [1.1] CHIVUKULA, R. Sekhar - ITTISAMAI, Pawin - MOHAN, Kirtimaan - SIMMONS, Elizabeth H. Simplified limits on resonances at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 094029., Registrované v: WOS
7. [1.1] JUNG, S. - LEE, D. - XIE, K.P. Beyond $M_{t\bar{t}}$: learning to search for a broad $t\bar{t}$ resonance at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 8 2020, vol. 80, no. 2., Registrované v: WOS
8. [1.1] Search for new phenomena in events with high jet multiplicity and low missing transverse momentum in proton-proton collisions at $\sqrt{s}=8\text{TeV}$. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 770, pp. 257-267., Registrované v: WOS
9. [1.1] SIMMONS, Elizabeth H. - CHIVUKULA, R. Sekhar - ITTISAMAI, Pawin - MOHAN, Kirtimaan. Simplified Limits on New LHC Resonances. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 01019., Registrované v: WOS

ADCA1036 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for resonances in the mass distribution of jet pairs with one or two jets identified as b-jets in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. In *Physical Review D*, 2018, vol. 98, no. 3, art. no. 032016. (2017: 4.394 - IF, Q1 - JCR, 1.801 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Ohlasy:

1. [1.1] BAKER, M.J. - FUENTES-MARTIN, J. - ISIDORI, G. - KONIG, M. High- $p(T)$ signatures in vector-leptoquark models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, APR 13 2019, vol. 79, no. 4., Registrované v: WOS
2. [1.1] EGANA-UGRINOVIC, D. - HOMILLER, S. - MEADE, P. Higgs bosons with large couplings to light quarks. In PHYSICAL REVIEW D. ISSN 1550-7998, DEC 23 2019, vol. 100, no. 11., Registrované v: WOS
3. [1.1] HILL, C.T. - MACHADO, P.A.N. - THOMSEN, A.E. - TURNER, J. Scalar democracy. In PHYSICAL REVIEW D. ISSN 2470-0010,

JUL 15 2019, vol. 100, no. 1., Registrované v: WOS

4. [1.1] KANG, Sin Kyu - QIAN, Zhuoni - SONG, Jeonghyeon - YOON, Yeo Woong. Confronting the fourth generation two-Higgs-doublet model with the phenomenology of heavy Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095025., Registrované v: WOS

5. [1.1] OLGUIN-TREJO, Y. - PEREZ-FIGUEROA, O. - PEREZ-MARTINEZ, R. - RAMOS-SANCHEZ, S. $U(1)'$ coupling constant at low energies from heterotic orbifolds. In PHYSICS LETTERS B. ISSN 0370-2693, AUG 10 2019, vol. 795, p. 673-681., Registrované v: WOS

ADCA1037 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for Resonant and Nonresonant Higgs Boson Pair Production in the $b(b)\overline{b}\tau^{(+)}\tau^{(-)}$ Decay Channel in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. In *Physical Review Letters*, 2018, vol. 121, no. 19, art. no. 191801. (2017: 8.839 - IF, Q1 - JCR, 3.622 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.121.191801>

Ohlasy:

1. [1.1] ARCO, F. - HEINEMEYER, S. - HERRERO, M.J. Exploring sizable triple Higgs couplings in the 2HDM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 24 2020, vol. 80, no. 9., Registrované v: WOS

2. [1.1] AZEVEDO, D. - DUCH, M. - GRZADKOWSKI, B. - HUANG, D. - IGLICKI, M. - SANTOS, R. Testing scalar versus vector dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 9 2019, vol. 99, no. 1., Registrované v: WOS

3. [1.1] BAHL, H. - LIEBLER, S. - STEFANIAK, T. MSSM Higgs benchmark scenarios for Run 2 and beyond: the low $\tan\beta$ region. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS

4. [1.1] BASLER, P. - DAWSON, S. - ENGLERT, C. - MUHLLEITNER, M. Showcasing HH production: Benchmarks for the LHC and HL-LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 29 2019, vol. 99, no. 5., Registrované v: WOS

5. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS

6. [1.1] DOMINGUEZ-MEIJIDE, A. - VASILI, E. - OUTEIRO, T.F. Pharmacological Modulators of Tau Aggregation and Spreading. In BRAIN SCIENCES. NOV 2020, vol. 10, no. 11., Registrované v: WOS

7. [1.1] DREYER, Frederic A. - KARLBERG, Alexander. Vector-boson fusion Higgs pair production at (NLO)-L-3. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 114016., Registrované v: WOS

8. [1.1] DREYER, F.A. - KARLBERG, A. Fully differential vector-boson fusion Higgs pair production at next-to-next-to-leading order. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 29 2019, vol. 99, no. 7., Registrované v: WOS

9. [1.1] LI, T. Heavy Higgs bosons at the LHC upgrade. In CHINESE PHYSICS C. ISSN 1674-1137, SEP 2020, vol. 44, no. 9., Registrované v: WOS

10. [1.1] RAJU, M. - SAHA, J.P. - DAS, D. - KUNDU, A. Double Higgs boson production as an exclusive probe for a sequential fourth generation with wrong-sign Yukawa couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 30 2020, vol. 101, no. 5., Registrované v: WOS
11. [1.1] ROBENS, T. - STEFANIAK, T. - WITTBRODT, J. Two-real-scalar-singlet extension of the SM: LHC phenomenology and benchmark scenarios. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 19 2020, vol. 80, no. 2., Registrované v: WOS
12. [1.1] STEGGEMANN, J. Extended Scalar Sectors. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 197-223., Registrované v: WOS

ADCA1038 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for resonant diboson production in the WW/WZ - $\ell\nu\bar{j}$ decay channels with the ATLAS detector at root s=7 TeV. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2013, vol. 87, no. 11, art. no. 112006. (2012: 4.691 - IF, Q1 - JCR, 2.725 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Ohlasy:

1. [1.1] ANCHORDOQUI, Luis A. - ANTONIADIS, Ignatios - GOLDBERG, Haim - HUANG, Xing - LUEST, Dieter - TAYLOR, Tomasz R. Minimal left-right symmetric intersecting D-brane model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 2, art. no. 026011., Registrované v: WOS
2. [1.1] ARKANI-HAMED, Nima - HAN, Tao - MANGANO, Michelangelo - WANG, Lian-Tao. Physics opportunities of a 100 TeV proton-proton collider. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2016, vol. 652, pp. 1-49., Registrované v: WOS
3. [1.1] HETZEL, Jamil - STECH, Berthold. Low-energy phenomenology of trinification: An effective left-right-symmetric model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 5, art. no. 055026., Registrované v: WOS
4. [1.1] KECALI, A.S. - BANDYOPADHYAY, P. - HUITU, K. Long-lived triplinos and displaced lepton signals at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, APR 17 2019, vol. 79, no. 4., Registrované v: WOS
5. [1.1] SERENKOVA, I.A. - OSLAND, P. - PANKOV, A.A. Improved bounds on W-W' mixing with ATLAS resonant WZ production data at the LHC at root s=13 TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 8 2019, vol. 100, no. 1., Registrované v: WOS

ADCA1039 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for resonant diboson production in the $\ell\ell(q)\overline{\text{bar}}$ final state in pp collisions at root s=8 TeV with the ATLAS detector. In *European Physical Journal C*, 2015, vol. 75, no. 2, art. no. 69. (2014: 5.084 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS,

SCOPUS). ISSN 1434-6044. Dostupné na:
<https://doi.org/10.1140/epjc/s10052-015-3261-8>

Ohlasy:

1. [1.1] AARRESTAD, T. Searching for diboson resonances in the boosted all-hadronic final state at root $s=13$ TeV with CMS. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, OCT 20 2020, vol. 35, no. 32., Registrované v: WOS
2. [1.1] ABBAS, Gauhar. Low scale left-right-right-left symmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015029., Registrované v: WOS
3. [1.1] ABBAS, Gauhar. Right-right-left extension of the Standard Model. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 19, art. no. 1650117., Registrované v: WOS
4. [1.1] ALLANACH, B. C. - GRIPAIOS, Ben - SUTHERLAND, Dave. Anatomy of the ATLAS diboson anomaly. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 5, art. no. 055003., Registrované v: WOS
5. [1.1] AMBROGI, Federico - KRAML, Sabine - KULKARNI, Suchita - LAA, Ursula - LESSA, Andre - WALTENBERGER, Wolfgang. On the coverage of the pMSSM by simplified model results. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 215., Registrované v: WOS
6. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. - MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of heavy Higgs bosons decaying invisibly at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS
7. [1.1] ARINA, Chiara. Impact of Cosmological and Astrophysical Constraints on Dark Matter Simplified Models. In FRONTIERS IN ASTRONOMY AND SPACE SCIENCES. ISSN 2296-987X, 2018, vol. 5, art. no. 30., Registrované v: WOS
8. [1.1] AWASTHI, Ram Lal - DEV, P. S. Bhupal - MITRA, Manimala. Implications of the diboson excess for neutrinoless double beta decay and lepton flavor violation in TeV scale left-right symmetric model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 011701., Registrované v: WOS
9. [1.1] BAGLIO, Julien - JAEGER, Barbara - KESENHEIMER, Matthias. Precise predictions for electroweakino-pair production in association with a jet at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 055., Registrované v: WOS
10. [1.1] BARDUCCI, D. - BELANGER, G. - BERNON, J. - BOUDJEMA, F. - DA SILVA, J. - KRAML, S. - LAA, U. - PUKHOV, A. Collider limits on new physics within micrOMEGAs_4.3. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 222, pp. 327-338., Registrované v: WOS
11. [1.1] BECCIOLINI, Diego - FRANZOSI, Diogo Buarque - FOADI, Roshan - FRANDSEN, Mads T. - HAPOLA, Tuomas - SANNINO, Francesco. Custodial vector model. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 015013., Registrované v: WOS
12. [1.1] BELWAL, Swasti - DREES, Manuel - KIM, Jong Soo. Analysis of the bounds on dark matter models from monojet searches at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 055017.,

Registrované v: WOS

13. [1.1] BELYAEV, Alexander - CACCIAPAGLIA, Giacomo - IVANOV, Igor P. - ROJAS-ABATTE, Felipe - THOMAS, Marc. Anatomy of the inert two-Higgs-doublet model in the light of the LHC and non-LHC dark matter searches. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 035011., Registrované v: WOS

14. [1.1] BERLIN, Asher - BLINOV, Nikita. Thermal Dark Matter Below a MeV. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 2, art. no. 021801., Registrované v: WOS

15. [1.1] BERLIN, Asher. Dark Matter Coannihilation with a Lighter Species. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 12, art. no. 121801., Registrované v: WOS

16. [1.1] BERNAL, Nicolas - HEIKINHEIMO, Matti - TENKANEN, Tommi - TUOMINEN, Kimmo - VASKONEN, Ville. The dawn of FIMP Dark Matter: A review of models and constraints. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 27, art. no. 1730023., Registrované v: WOS

17. [1.1] BEURIA, Jyotiranjana - DATA, Asesh Krishna - DEBNATH, Dipsikha - MATCHEV, Konstantin T. LHC collider phenomenology of minimal universal extra dimensions. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 226, pp. 187-205., Registrované v: WOS

18. [1.1] BHATTACHERJEE, Biplob - BYAKTI, Pritibhajan - KHOSA, Charanjit K. - LAHIRI, Jayita - MENDIRATTA, Gaurav. Alternative search strategies for a BSM resonance fitting the ATLAS diboson excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075015., Registrované v: WOS

19. [1.1] BRIVIO, I. - GAVELA, M. B. - MERLO, L. - MIMASU, K. - NO, J. M. - DEL REY, R. - SANZ, V. ALPs effective field theory and collider signatures. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 8, art. no. 572., Registrované v: WOS

20. [1.1] BRUGGISSER, Sebastian - RIVA, Francesco - URBANO, Alfredo. Strongly interacting light dark matter. In SCIPOST PHYSICS. ISSN 2542-4653, 2017, vol. 3, no. 3, art. no. UNSP 017., Registrované v: WOS

21. [1.1] COLOMA, Pilar - DOBRESCU, Bogdan A. - LOPEZ-PAVON, Jacobo. Right-handed neutrinos and the 2 TeV W' boson. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 115023., Registrované v: WOS

22. [1.1] CORRADI, M. Performance of ATLAS RPC Level-1 muon trigger during the 2015 data taking. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2016, vol. 11, art. no. C09003., Registrované v: WOS

23. [1.1] CSAKI, Csaba - GROJEAN, Christophe - TERNING, John. Alternatives to an elementary Higgs. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2016, vol. 88, no. 4, art. no. 045001., Registrované v: WOS

24. [1.1] DEPPISCH, Frank F. - GRAF, Lukas - KULKARNI, Suchita - PATRA, Sudhanwa - RODEJOHANN, Werner - SAHU, Narendra - SARKAR, Utpal. Reconciling the 2 TeV excesses at the LHC in a linear seesaw left-right model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 013011., Registrované v: WOS

25. [1.1] DEV, P. S. Bhupal - MOHAPATRA, R. N. Unified Explanation of the $eejj$, Diboson, and Dijet Resonances at the LHC. In PHYSICAL REVIEW

- LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 18, art. no. 181803.,
Registrované v: WOS
26. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS
27. [1.1] DREYER, Frederic A. - KARLBERG, Alexander. Vector-boson fusion Higgs pair production at (NLO)-L-3. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 69., Registrované v: WOS
28. [1.1] ELLIS, John - FOWLIE, Andrew - MARZOLA, Luca - RAIDAL, Martti. Statistical analyses of Higgs- and Z-portal dark matter models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115014., Registrované v: WOS
29. [1.1] ENGLERT, Christoph - HARRIS, Philip - SPANNOWSKY, Michael - TAKEUCHI, Michihisa. Unitarity-controlled resonances after the Higgs boson discovery. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 013003., Registrované v: WOS
30. [1.1] FRANZOSI, Diogo Buarque - FRANDSEN, Mads T. - SANNINO, Francesco. Diboson signals via Fermi scale spin-one states. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 115005., Registrované v: WOS
31. [1.1] GENG, Chao-Qiang - HUANG, Da. Note on spin-2 particle interpretation of the 750 GeV diphoton excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115032., Registrované v: WOS
32. [1.1] GHORBANI, Karim - KHALKHALI, Leila. Mono-Higgs signature in a fermionic dark matter model. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 10, art. no. 105004., Registrované v: WOS
33. [1.1] GODBOLE, Rohini M. - MENDIRATTA, Gaurav - SHIVAJI, Ambresh - TAIT, Tim M. P. Mono-jet signatures of gluophilic scalar dark matter. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 772, pp. 93-99., Registrované v: WOS
34. [1.1] CHAUHAN, Bhavesh - KINDRA, Bharti - NARANG, Ashish. Discrepancies in simultaneous explanation of flavor anomalies and IceCube PeV events using leptiquarks. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095007., Registrované v: WOS
35. [1.1] JENNICHES, Laura - STURM, Christian - UCCIRATI, Sandro. Electroweak corrections in the 2HDM for neutral scalar Higgs-boson production through gluon fusion. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 017., Registrované v: WOS
36. [1.1] KAHLHOEFER, Felix. Review of LHC dark matter searches. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 13, art. no. 1730006., Registrované v: WOS
37. [1.1] KNAPEN, Simon - MELIA, Tom - PAPUCCI, Michele - ZUREK, Kathryn M. Rays of light from the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075020., Registrované v: WOS
38. [1.1] KO, Pyungwon. Particle, Astroparticle Physics and Cosmology in Dark Matter Models with Dark Gauge Symmetries. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2018, vol. 73, no. 4, pp. 449-465., Registrované v: WOS
39. [1.1] KO, P. - YU, Chaehyun - YUAN, Tzu-Chiang. Probing a new

strongly interacting sector via composite diboson resonances. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115034., Registrované v: WOS

40. [1.1] LANE, Kenneth - PRITCHETT, Lukas. Heavy vector partners of the light composite Higgs. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 753, pp. 211-214., Registrované v: WOS

41. [1.1] LAPSIEN, T. - KOGLER, R. - HALLER, J. A new tagger for hadronically decaying heavy particles at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 11, art. no. 600., Registrované v: WOS

42. [1.1] LOW, Matthew - TESI, Andrea - WANG, Lian-Tao. Composite spin-1 resonances at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 8, art. no. 085019., Registrované v: WOS

43. [1.1] MANDAL, Rusa. Fermionic dark matter in leptoquark portal. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 726., Registrované v: WOS

44. [1.1] MANDAL, Tanumoy. Exclusion Limits on a Scalar Decaying to Photons and Distinguishing Its Production Mechanisms. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2018, art. no. 9150617., Registrované v: WOS

45. [1.1] MAST, N. - KENNEDY, A. - CHAGANI, H. - CODOLUTO, D. - FRITTS, M. - HARRIS, R. - JASTRAM, A. - MAHAPATRA, R. - MANDIC, V. - MIRABOLFATHI, N. - PLATT, M. - STRANDBERG, D. Performance of the first 150 mm diameter Cryogenic silicon ionization detectors with contact-free electrodes. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2018, vol. 904, pp. 15-22., Registrované v: WOS

46. [1.1] MERLO, L. - POBBE, F. - RIGOLIN, S. The minimal axion minimal linear sigma model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 5, art. no. 415., Registrované v: WOS

47. [1.1] MOHAPATRA, Rabindra N. Neutrino mass as a signal of TeV scale physics. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 908, pp. 423-435., Registrované v: WOS

48. [1.1] MORGANTE, Enrico. The EFT Approach and Its Validity. In ASPECTS OF WIMP DARK MATTER SEARCHES AT COLLIDERS AND OTHER PROBES. ISSN 2190-5053, 2017, pp. 97-123., Registrované v: WOS

49. [1.1] ROSZKOWSKI, Leszek - SESSOLO, Enrico Maria - TROJANOWSKI, Sebastian. WIMP dark matter candidates and searches-current status and future prospects. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2018, vol. 81, no. 6, art. no. 066201., Registrované v: WOS

50. [1.1] SANZ, Veronica. On the Compatibility of the Diboson Excess with a gg-Initiated Composite Sector. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 3279568., Registrované v: WOS

51. [1.1] SERENKOVA, I.A. - OSLAND, P. - PANKOV, A.A. Improved bounds on W - W' mixing with ATLAS resonant WZ production data at the LHC at $\sqrt{s}=13$ TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 8 2019, vol. 100, no. 1., Registrované v: WOS

52. [1.1] SHU, Jing - YEPES, Juan. Diboson excess and Z' -predictions via left-right nonlinear Higgs. In MODERN PHYSICS LETTERS A. ISSN

- 0217-7323, 2016, vol. 31, no. 40, art. no. 1650228., Registrované v: WOS
53. [1.1] SHU, Jing - YEPES, Juan. Left-Right Non-Linear Dynamical Higgs. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2016, vol. 66, no. 6, pp. 643-662., Registrované v: WOS
54. [1.1] SMITH, Wesley H. Triggering at the LHC. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 66. ISSN 0163-8998, 2016, vol. 66, pp. 123-141., Registrované v: WOS
55. [1.1] SOKOLOV, A. V. - PSIRKOV, M. S. Possibility of hypothetical stable micro black hole production at future 100 TeV collider. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 908., Registrované v: WOS
56. [1.1] SUI, Yicong - ZHANG, Yongchao. Prospects of type-II seesaw models at future colliders in light of the DAMPE $e^{+}e^{-}$ excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095002., Registrované v: WOS
57. [1.1] THAMM, Andrea - TORRE, Riccardo - WULZER, Andrea. Composite Heavy Vector Triplet in the ATLAS Diboson Excess. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 22, art. no. 221802., Registrované v: WOS
58. [1.1] XIANG, Qian-Fei - BI, Xiao-Jun - YIN, Peng-Fei - YU, Zhao-Huan. Exploring fermionic dark matter via Higgs boson precision measurements at the Circular Electron Positron Collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055004., Registrované v: WOS

ADCA1040 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for resonant top quark plus jet production in $t(\bar{t})$ + jets events with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2012, vol. 86, no. 9, art. no. R091103. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Ohlasy:

1. [1.1] BROD, Joachim - DROBNÁK, Jure - KAGAN, Alexander L. - STAMOU, Emmanuel - ZUPAN, Jure. Stealth QCD-like strong interactions and the $t(\bar{t})$ asymmetry. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 095009., Registrované v: WOS
2. [1.1] ENGLERT, Christoph - MOORE, Liam - NORDSTROM, Karl - RUSSELL, Michael. Giving top quark effective operators a boost. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 763, pp. 9-15., Registrované v: WOS
3. [1.1] LUO, Ming-xing - WANG, Kai - XU, Tao - ZHANG, Liangliang - ZHU, Guohuai. Squarkonium, diquarkonium, and octetonium at the LHC and their diphoton decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055042., Registrované v: WOS
4. [1.1] PRASATH, V. Arun - GODBOLE, Rohini M. - RINDANI, Saurabh D. Longitudinal top polarisation measurement and anomalous Wtb coupling. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 402., Registrované v: WOS
5. [1.1] WEI, Hua-Rong - LIU, Fu-Hu. A Study of Transverse

Momentum Distributions of Jets Produced in p-p, p-(p)over-bar, d-Au, Au-Au, and Pb-Pb Collisions at High Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 263135., Registrované v: WOS

ADCA1041 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for resonant W Z production in the fully leptonic final state in proton-proton collisions at root s=13 TeV with the ATLAS detector. In *Physics Letters B*, 2018, vol. 787, p. 68-88. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.10.021>

Ohlasy:

1. [1.1] ALCAIDE, J. - MILEO, N.I. LHC sensitivity to singly charged scalars decaying into electrons and muons. In *PHYSICAL REVIEW D*. ISSN 2470-0010, OCT 23 2020, vol. 102, no. 7., Registrované v: WOS
2. [1.1] COLEPPA, B. - SARKAR, A. - RAI, S.K. Charged Higgs boson discovery prospects. In *PHYSICAL REVIEW D*. ISSN 2470-0010, MAR 25 2020, vol. 101, no. 5., Registrované v: WOS
3. [1.1] LIU, D. - WANG, L.T. - XIE, K.P. Prospects of searching for composite resonances at the LHC and beyond. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, JAN 18 2019, no. 1., Registrované v: WOS
4. [1.1] PRIMULANDO, R. - JULIO, J. - UTTAYARAT, P. Scalar phenomenology in type-II seesaw model. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, AUG 6 2019, no. 8., Registrované v: WOS
5. [1.1] STEGGEMANN, J. Extended Scalar Sectors. In *ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE*, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 197-223., Registrované v: WOS

ADCA1042 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for resonant WZ production in the WZ - lvl 'l' channel in root(s)=7 TeV pp collisions with the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2012, vol. 85, no. 11, art. no. 112012. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Ohlasy:

1. [1.1] HETZEL, Jamil - STECH, Berthold. Low-energy phenomenology of trinification: An effective left-right-symmetric model. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2015, vol. 91, no. 5, art. no. 055026., Registrované v: WOS

ADCA1043 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Search for R-Parity Violating Decays of Sneutrinos to e mu, mu tau, and e tau Pairs in p(p)over-bar Collisions at root s=1.96 TeV. In *Physical Review Letters*, 2010, vol. 105, no. 19, art. no. 191801. (2009: 7.328 - IF, 6.325 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.105.191801>

Ohlasy:

1. [1.1] REDELBACH, Andreas. Searches for Prompt R-Parity-Violating Supersymmetry at the LHC. In *ADVANCES IN HIGH ENERGY PHYSICS*. ISSN 1687-7357, 2015, art. no. 982167., Registrované v: WOS

ADCA1044 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for R-parity-violating supersymmetric particles in multi-jet final states produced in p-p collisions at $\sqrt{s}=13$ TeV using the ATLAS detector at the LHC. In *Physics Letters B*, 2018, vol. 785, p. 136-158. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.08.021>

Ohlasy:

1. [1.1] BARRON, J. - CURTIN, D. On the origin of long-lived particles. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, DEC 9 2020, no. 12., Registrované v: WOS
2. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In *FRONTIERS IN PHYSICS*. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
3. [1.1] EASA, H. - GREGOIRE, T. - STOLARSKI, D. New limits on coloured three jet resonances. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, SEP 21 2020, no. 9., Registrované v: WOS
4. [1.1] KIM, J.S. - KRAUSS, M.E. - LOZANO, V.M. - STAUB, F. Illuminating stealth scenarios at the LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, FEB 25 2020, vol. 101, no. 3., Registrované v: WOS
5. [1.1] LI, J.M. - LI, T.J. - ZHANG, W.X. Least constrained supersymmetry with R-parity violation. In *PHYSICAL REVIEW D*. ISSN 2470-0010, FEB 14 2019, vol. 99, no. 3., Registrované v: WOS
6. [1.1] SMARANDA, D.D. - MILLER, D.J. Scherk-Schwarz orbifolds at the LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS

ADCA1045 AAD, G. - ABAJYAN, T. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for R-parity-violating supersymmetry in events with four or more leptons in $\sqrt{s}=7$ TeV pp collisions with the ATLAS detector. In *Journal of High Energy Physics*, 2012, no. 12, art. no. 124. (2011: 5.831 - IF, 1.902 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP12\(2012\)124](https://doi.org/10.1007/JHEP12(2012)124)

Ohlasy:

1. [1.1] DERCKS, Daniel - DREINER, Herbi - KRAUSS, Manuel E. - OPFERKUCH, Toby - REINERT, Annika. R-parity violation at the LHC. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 856., Registrované v: WOS

ADCA1046 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for Scalar

Bottom Quark Pair Production with the ATLAS Detector in pp Collisions at $\sqrt{s}=7$ TeV. In *Physical Review Letters*, 2012, vol. 108, no. 18, art. no. 181802. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

1. [1.1] ALVES, Daniele S. M. - FOX, Patrick J. - WEINER, Neal. Supersymmetry with a sister Higgs boson. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055003., Registrované v: WOS
2. [1.1] BARTL, A. - EBERL, H. - GININA, E. - HIDAKA, K. - MAJEROTTO, W. $h(0) \rightarrow c\bar{c}$ as a test case for quark flavor violation in the MSSM. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 015007., Registrované v: WOS
3. [1.1] BERGGREN, M. - CAKIR, A. - KRUECKER, D. - LIST, J. - MELZER-PELLMANN, I.A. - SAMANI, B. Safarzadeh - SEITZ, C. - WAYAND, S. Non-simplified SUSY: $\tau\tilde{\tau}$ -coannihilation at LHC and ILC. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2016, vol. 76, no. 4, art. no. 183., Registrované v: WOS

ADCA1047

AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for Scalar Diphoton Resonances in the Mass Range 65-600 GeV with the ATLAS Detector in pp Collision Data at $\sqrt{s}=8$ TeV. In *Physical Review Letters*, 2014, vol. 113, no. 17, art. no. 171801. (2013: 7.728 - IF, Q1 - JCR, 5.674 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.113.171801>

Ohlasy:

1. [1.1] ABDUSSALAM, S. S. - VELASCO-SEVILLA, L. Where to look for natural supersymmetry. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035026., Registrované v: WOS
2. [1.1] AGRAWAL, Prateek - HOWE, Kiel. Factoring the strong CP problem. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2018, no. 12, art. no. 029., Registrované v: WOS
3. [1.1] AHMED, A. - MARIOTTI, A. - NAJJARI, S. A light dilaton at the LHC. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, MAY 20 2020, no. 5., Registrované v: WOS
4. [1.1] AHRICHE, Amine - FAISEL, Gaber - NASRI, Salah - TANDEAN, Jusak. Exploring high-mass diphoton resonance without new colored states. In *NUCLEAR PHYSICS B*. ISSN 0550-3213, 2017, vol. 916, pp. 64-93., Registrované v: WOS
5. [1.1] ALVES, Alexandre - CAMARGO, Daniel A. - DIAS, Alex G. Heavy Higgs boson coupled to vectorlike quarks: Strong CP problem and search prospects at the 14 TeV LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015027., Registrované v: WOS
6. [1.1] ANGELESCU, Andrei - DJOUADI, Abdelhak - MOREAU, Gregory. Scenarios for interpretations of the LHC diphoton excess: Two Higgs doublets and vector-like quarks and leptons. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2016, vol. 756, pp. 126-132., Registrované v: WOS
7. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. - MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of heavy Higgs bosons decaying invisibly at the LHC. In *NUCLEAR PHYSICS B*.

- ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS
8. [1.1] ARGANDA, E. - MEDINA, A.D. - MILEO, N.I. - MORALES, R.A. - SZYNKMAN, A. Constraining R-axion models through dijet searches at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, FEB 10 2019, vol. 789, p. 575-581., Registrované v: WOS
9. [1.1] ARHRIB, A. - BENBRIK, R. - EL FALAKI, J. - SAMPAIO, M. - SANTOS, R. Pseudoscalar decays to gauge bosons at the LHC and at a future 100 TeV collider. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 27 2019, vol. 99, no. 3., Registrované v: WOS
10. [1.1] BARMAN, Rahool Kumar - BHATTACHERJEE, Biplob - CHAKRABORTY, Amit - CHOUDHURY, Arghya. Study of MSSM heavy Higgs bosons decaying into charginos and neutralinos. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075013., Registrované v: WOS
11. [1.1] BARMAN, R.K. - BHATTACHERJEE, B. - CHOUDHURY, A. - CHOWDHURY, D. - LAHIRI, J. - RAY, S. Current status of MSSM Higgs sector with LHC 13 TeV data. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, APR 2019, vol. 134, no. 4., Registrované v: WOS
12. [1.1] BAUM, Sebastian - FREESE, Katherine - SHAH, Nausheen R. - SHAKYA, Bibhushan. NMSSM Higgs boson search strategies at the LHC and the mono-Higgs signature in particular. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115036., Registrované v: WOS
13. [1.1] BAUM, S. - SHAH, N.R. - FREESE, K. The NMSSM is within reach of the LHC: mass correlations & decay signatures. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 1 2019, no. 4., Registrované v: WOS
14. [1.1] BELLAZZINI, Brando - MARIOTTI, Alberto - REDIGOLO, Diego - SALA, Filippo - SERRA, Javi. R-Axion at Colliders. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 14, art. no. 141804., Registrované v: WOS
15. [1.1] BHATIA, Disha - MAITRA, Ushoshi - NIYOGI, Saurabh. Discovery prospects of a light Higgs boson at the LHC in type-I 2HDM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055027., Registrované v: WOS
16. [1.1] BHATTACHARYA, Satyaki - FRANK, Mariana - HUITU, Katri - MAITRA, Ushoshi - MUKHOPADHYAYA, Biswarup - RAI, Santosh Kumar. Probing the light radion through diphotons at the Large Hadron Collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 1, art. no. 016008., Registrované v: WOS
17. [1.1] BIAN, Ligong - CHEN, Ning - ZHANG, Yongchao. CP violation effects in the diphoton spectrum of heavy scalars. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 095008., Registrované v: WOS
18. [1.1] BOJARSKI, F. - CHALONS, G. - LOPEZ-VAL, D. - ROBENS, T. Heavy to light Higgs boson decays at NLO in the singlet extension of the Standard Model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 2, art. no. 147., Registrované v: WOS
19. [1.1] BOMARK, N-E - MORETTI, S. - ROSZKOWSKI, L. Detection prospects of light NMSSM Higgs pseudoscalar via cascades of heavier scalars from vector boson fusion and Higgs-strahlung. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016,

vol. 43, no. 10., Registrované v: WOS

20. [1.1] BONILLA, Cesar - ROMAO, Jorge C. - VALLE, Jose W. F. Electroweak breaking and neutrino mass: 'invisible' Higgs decays at the LHC (type II seesaw). In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2016, vol. 18, art. no. 033033., Registrované v: WOS

21. [1.1] BUCKLEY, Matthew R. Wide or narrow? The phenomenology of 750 GeV diphotons. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 6, pp. 1-18., Registrované v: WOS

22. [1.1] CACCIAPAGLIA, Giacomo - DEANDREA, Aldo - HASHIMOTO, Michio. Scalar Hint from the Diboson Excess? In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 17, art. no. 171802., Registrované v: WOS

23. [1.1] CACCIAPAGLIA, Giacomo - DEANDREA, Aldo - LA ROCHELLE, Guillaume Drieu - FLAMENT, Jean-Baptiste. Searching for a lighter Higgs boson: Parametrization and sample tests. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 015012., Registrované v: WOS

24. [1.1] CACCIAPAGLIA, Giacomo - FERRETTI, Gabriele - FLACKE, Thomas - SERODIO, Hugo. Revealing timid pseudo-scalars with taus at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9, art. no. 724., Registrované v: WOS

25. [1.1] CAO, Junjie - GUO, Xiaofei - HE, Yangle - WU, Peiwen - ZHANG, Yang. Diphoton signal of the light Higgs boson in natural NMSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 116001., Registrované v: WOS

26. [1.1] CATANI, Stefano - CIERI, Leandro - DE FLORIAN, Daniel - FERRERA, Giancarlo - GRAZZINI, Massimiliano. Diphoton production at the LHC: a QCD study up to NNLO. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 4, art. no. 142., Registrované v: WOS

27. [1.1] DA ROLD, Leandro - DAVIDOVICH, Ivan A. A symmetry for epsilon(K). In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 10, art. no. 135., Registrované v: WOS

28. [1.1] DAWSON, S. - LEWIS, I. M. Singlet model interference effects with high scale UV physics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015004., Registrované v: WOS

29. [1.1] DE ROMERI, Valentina - KIM, Jong Soo - MARTIN-LOZANO, Victor - ROLBIECKI, Krzysztof - RUIZ DE AUSTRI, Roberto. Confronting dark matter with the diphoton excess from a parent resonance decay. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 262., Registrované v: WOS

30. [1.1] DEANDREA, Aldo. Bounds for lighter Higgses in extensions of the Standard Model. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC. ISSN 1742-6588, 2017, vol. 878, art. no. UNSP 012019., Registrované v: WOS

31. [1.1] DEL DEBBIO, Luigi - ENGLERT, Christoph - ZWICKY, Roman. A UV complete compositeness scenario: LHC constraints meet the lattice. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 142., Registrované v: WOS

32. [1.1] DELGADO, Rafael L. - DOBADO, Antonio - LLANES-ESTRADA, Felipe J. Possible New Resonance from WLWL-hh Interchannel Coupling. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007,

- 2015, vol. 114, no. 22, art. no. 221803., Registrované v: WOS
33. [1.1] DEV, P. S. Bhupal - MOHAPATRA, Rabindra N. - ZHANG, Yongchao. Probing TeV scale origin of neutrino mass at future lepton colliders via neutral and doubly-charged scalars. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075028., Registrované v: WOS
34. [1.1] DEV, P. S. Bhupal - MOHAPATRA, Rabindra N. - ZHANG, Yongchao. Leptogenesis constraints on B L breaking Higgs boson in TeV scale seesaw models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 122., Registrované v: WOS
35. [1.1] DING, Ran - FAN, Yizhou - HUANG, Li - LI, Chuang - LI, Tianjun - RAZA, Shabbar - ZHU, Bin. Systematic study of diphoton resonance at 750 GeV from sgoldstino. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 26, art. no. 1650151., Registrované v: WOS
36. [1.1] DING, Ran - HAN, Zhi-Long - LIAO, Yi - MA, Xiao-Dong. Interpretation of 750 GeV diphoton excess at LHC in singlet extension of color-octet neutrino mass model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, art. no. 204., Registrované v: WOS
37. [1.1] DOMINGO, Florian - HEINEMEYER, Sven - KIM, Jong Soo - ROLBIECKI, Krzysztof. The NMSSM lives: with the 750 GeV diphoton excess. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 249., Registrované v: WOS
38. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS
39. [1.1] DORSCH, G. C. - HUBER, S. J. - MIMASU, K. - NO, J. M. Hierarchical versus degenerate 2HDM: The LHC run 1 legacy at the onset of run 2. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115033., Registrované v: WOS
40. [1.1] EGANA-UGRINOVIC, D. - HOMILLER, S. - MEADE, P. Higgs bosons with large couplings to light quarks. In PHYSICAL REVIEW D. ISSN 1550-7998, DEC 23 2019, vol. 100, no. 11., Registrované v: WOS
41. [1.1] FARINA, Marco - PAPPADOPULO, Duccio - ROMPINEVE, Fabrizio - TESI, Andrea. The photo-philic QCD axion. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 1, art. no. 095., Registrované v: WOS
42. [1.1] FOX, Patrick J. - WEINER, Neal. Light signals from a lighter Higgs. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 8, art. no. 025., Registrované v: WOS
43. [1.1] FRANK, Mariana - HUITU, Katri - MAITRA, Ushoshi - PATRA, Monalisa. Probing Higgs-radion mixing in warped models through complementary searches at the LHC and the ILC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055016., Registrované v: WOS
44. [1.1] GAVELA, M.B. - NO, J.M. - SANZ, V. - DE TROCONIZ, J.F. Nonresonant Searches for Axionlike Particles at the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, FEB 6 2020, vol. 124, no. 5., Registrované v: WOS
45. [1.1] GHERGHETTA, Tony - NAGATA, Natsumi - SHIFMAN, Mikhail. A visible QCD axion from an enlarged color group. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115010.,

Registrované v: WOS

46. [1.1] GODFREY, Stephen - LOGAN, Heather E. Probe of new light Higgs bosons from bottomonium $\chi(b0)$ decay. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055014., Registrované v: WOS
47. [1.1] GONCALVES, Dorival - LPEZ-VAL, David. Pseudoscalar searches with dileptonic tops and jet substructure. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 095005., Registrované v: WOS
48. [1.1] HAISCH, Ulrich - MALINAUSKAS, Augustinas. Let there be light from a second light Higgs doublet. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 135., Registrované v: WOS
49. [1.1] HANDLER, Marc Z. - HANDLER, Nancy S. - STEPHANY, Matthew P. - HANDLER, Glenn A. - SCHWARTZ, Robert A. Chikungunya fever: an emerging viral infection threatening North America and Europe. In INTERNATIONAL JOURNAL OF DERMATOLOGY. ISSN 0011-9059, 2017, vol. 56, no. 2, pp. e19-e25., Registrované v: WOS
50. [1.1] CHANG, Sanghyeon - KANG, Sin Kyu - LEE, Jong-Phil - SONG, Jeonghyeon. Higgs potential and hidden light Higgs scenario in two Higgs doublet models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 075023., Registrované v: WOS
51. [1.1] CHECCHIA, Paolo. Implications of a 125 GeV Higgs boson. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 7, art. no. 1530003., Registrované v: WOS
52. [1.1] CHIESA, Mauro - GREINER, Nicolas - SCHOENHERR, Marek - TRAMONTANO, Francesco. Electroweak corrections to diphoton plus jets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 10, art. no. 181., Registrované v: WOS
53. [1.1] CHOWDHURY, Debtosh - EBERHARDT, Otto. Update of global Two-Higgs-Doublet model fits. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 161., Registrované v: WOS
54. [1.1] CHO, Jin-Hwan - KIM, Tae Young - SONG, Jeonghyeon. Constraints from Heavy Higgs Boson Masses in the two Higgs Doublet Model. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2018, vol. 73, no. 3, pp. 289-296., Registrované v: WOS
55. [1.1] ILNICKA, Agnieszka - KRAWCZYK, Maria - ROBENS, Tania. Inert doublet model in light of LHC Run I and astrophysical data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055026., Registrované v: WOS
56. [1.1] IYER, Abhishek M. - MAITRA, Ushoshi. Dissecting new physics models through kinematic edges. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035039., Registrované v: WOS
57. [1.1] IZAGUIRRE, Eder - LIN, Tongyan - SHUVE, Brian. Searching for Axionlike Particles in Flavor-Changing Neutral Current Processes. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 118, no. 11, art. no. 111802., Registrované v: WOS
58. [1.1] KANG, Sin Kyu - QIAN, Zhuoni - SONG, Jeonghyeon - YOON, Yeo Woong. Confronting the fourth generation two-Higgs-doublet model with the phenomenology of heavy Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095025., Registrované v: WOS
59. [1.1] KAWABATA, Sayaka - YOKOYA, Hiroshi. Top-quark mass from the diphoton mass spectrum. In EUROPEAN PHYSICAL JOURNAL C.

- ISSN 1434-6044, 2017, vol. 77, no. 5, art. no. 323., Registrované v: WOS
60. [1.1] KEUS, Venus - KOIVUNENA, Niko - TUOMINENA, Kimmo. Singlet scalar and 2HDM extensions of the Standard Model: CP-violation and constraints from $(g-2)(\mu)$ and eEDM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 059., Registrované v: WOS
61. [1.1] KIM, Jong Soo - REUTER, Juergen - ROLBIECKI, Krzysztof - RUIZ DE AUSTRI, Roberto. A resonance without resonance: Scrutinizing the diphoton excess at 750 GeV. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 755, pp. 403-408., Registrované v: WOS
62. [1.1] KIM, Jong Soo - ROLBIECKI, Krzysztof - RUIZ DE AUSTRI, Roberto. Model-independent combination of diphoton constraints at 750 GeV. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 251., Registrované v: WOS
63. [1.1] KLING, F. - SU, S.F. - SU, W. 2HDM neutral scalars under the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 26 2020, no. 6., Registrované v: WOS
64. [1.1] KNAPEN, Simon - LIN, Tongyan - LOU, Hou Keong - MELIA, Tom. Searching for Axionlike Particles with Ultraperipheral Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 118, no. 17, art. no. 171801., Registrované v: WOS
65. [1.1] KOOB, Sebastian - KEHRER, Michael - STRAUSS, Andreas - JANZEN, Viktor - WIRTZ, Dieter Christian - SCHMOLDERS, Jan. Bone Metastases Pathophysiology, Diagnostic Testing and Therapy (Part 1). In ZEITSCHRIFT FUR ORTHOPADIE UND UNFALLCHIRURGIE. ISSN 1864-6697, 2017, vol. 155, no. 6, pp. 716-726., Registrované v: WOS
66. [1.1] KRAML, Sabine - LAA, Ursula - MAWATARI, Kentarou - YAMASHITA, Kimiko. Simplified dark matter models with a spin-2 mediator at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 5, art. no. 326., Registrované v: WOS
67. [1.1] LEBIEDOWICZ, Piotr - LUSZCZAK, Marta - PASECHNIK, Roman - SZCZUREK, Antoni. Can the diphoton enhancement at 750 GeV be due to a neutral technipion? In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015023., Registrované v: WOS
68. [1.1] LIEBLER, Stefan. Neutral Higgs production at proton colliders in the CP-conserving NMSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 210., Registrované v: WOS
69. [1.1] LI, Gang - MAO, Ying-nan - TANG, Yi-Lei - ZHANG, Chen - ZHOU, Yang - ZHU, Shou-hua. Pseudoscalar Decaying Only via Loops as an Explanation for the 750 GeV Diphoton Excess. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 15, art. no. 151803., Registrované v: WOS
70. [1.1] LI, Tianjun - MAXIN, James A. - MAYES, Van E. - NANOPOULOS, Dimitri V. 750 GeV diphoton excesses in a realistic D-brane model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 2, art. no. 025002., Registrované v: WOS
71. [1.1] MARIOTTI, Alberto - REDIGOLO, Diego - SALA, Filippo - TOBIOKA, Kohsaku. New LHC bound on low-mass diphoton resonances. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 13-18., Registrované v: WOS
72. [1.1] MATSUZAKI, Shinya - NISHIWAKI, Kenji - WATANABE,

- Ryoutaro. Phenomenology of flavorful composite vector bosons in light of B anomalies. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 145., Registrované v: WOS
73. [1.1] NEFEDOV, M. A. - SALEEV, V. A. Diphoton production at the Tevatron and the LHC in the NLO approximation of the parton Reggeization approach. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 094033., Registrované v: WOS
74. [1.1] OHMER, Sebastian - PATEL, Hiren H. Leptobaryons as Majorana dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 055020., Registrované v: WOS
75. [1.1] OZCAN, A. - SAHIN, D. - IMPELLIZZIERI, D. - NGUYEN, T.T. - HAFNER, J. - YAWALKAR, N. - KURZBACH, D. - TAN, G. - AKDIS, C.A. - NILSSON, J. - BOYMAN, O. - KOLIOS, A.G.A. Nanoparticle-Coupled Topical Methotrexate Can Normalize Immune Responses and Induce Tissue in Psoriasis. In JOURNAL OF INVESTIGATIVE DERMATOLOGY. ISSN 0022-202X, MAY 2020, vol. 140, no. 5, p. 1003-+., Registrované v: WOS
76. [1.1] RABBERTZ, Klaus. Jet Measurement. In JET PHYSICS AT THE LHC: THE STRONG FORCE BEYOND THE TEV SCALE. ISSN 0081-3869, 2017, vol. 268, pp. 61-110., Registrované v: WOS
77. [1.1] ROBENS, Tania - STEFANIAK, Tim. Status of the Higgs singlet extension of the standard model after LHC run 1. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 3, art. no. 104., Registrované v: WOS
78. [1.1] ROBENS, Tania - STEFANIAK, Tim. LHC benchmark scenarios for the real Higgs singlet extension of the standard model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 268., Registrované v: WOS
79. [1.1] SONG, Jeonghyeon - YOON, Yeo Woong. Gigantic diphoton rate of heavy Higgs bosons in the aligned two Higgs doublet models with small tan beta. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 11, art. no. 113012., Registrované v: WOS
80. [1.1] SONG, Jeonghyeon - YOON, Yeo Woong - JUNG, Sunghoon. Interference effect on a heavy Higgs resonance signal in the gamma gamma and ZZ channels. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055035., Registrované v: WOS
81. [1.1] VEGA, Roberto - VEGA-MORALES, Roberto - XIE, Keping. Light (and darkness) from a light hidden Higgs. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 137., Registrované v: WOS
82. [1.1] VINH HOANG - HUNG, Pham Q. - KAMAT, Ajinkya Shrish. Non-sterile electroweak-scale right-handed neutrinos and the dual nature of the 125-GeV scalar. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 896, pp. 611-656., Registrované v: WOS

ADCA1048 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for Scalar Charm Quark Pair Production in pp Collisions at $\sqrt{s}=8$ TeV with the ATLAS Detector. In *Physical Review Letters*, 2015, vol. 114, no. 16, art. no. 161801. (2014: 7.512 - IF, Q1 - JCR, 5.232 - SJR, Q1

- SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.114.161801>

Ohlasy:

1. [1.1] BANDYOPADHYAY, Priyotosh - MANDAL, Rusa. Revisiting scalar leptoquark at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 491., Registrované v: WOS
2. [1.1] BECIREVIC, Damir - MELIC, Blazenska - PATRA, Monalisa - SUMENSARI, Olcyr. Seeking a CP-odd Higgs boson via $h \rightarrow e^+ e^- \mu^+ \mu^-$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 015008., Registrované v: WOS
3. [1.1] BERNIGAUD, J. - HERRMANN, B. First steps towards the reconstruction of the squark flavour structure. In SCIPOST PHYSICS. ISSN 2542-4653, JUN 2019, vol. 6, no. 6., Registrované v: WOS
4. [1.1] COLLINS, Jack H. - DROR, Jeff Asaf - FARINA, Marco. Mixed stops and the ATLAS on-Z excess. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095022., Registrované v: WOS
5. [1.1] DUMONT, Beranger - NISHIWAKI, Kenji - WATANABE, Ryoutaro. LHC constraints and prospects for S-1 scalar leptoquark explaining the $(B \rightarrow D^{(*)} \tau \nu)$ anomaly. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 034001., Registrované v: WOS
6. [1.1] HAMADA, Yuta - KAWAI, Hikaru - KAWANA, Kiyoharu - TSUMURA, Koji. Models of the LHC diphoton excesses valid up to the Planck scale. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 014007., Registrované v: WOS
7. [1.1] KATS, Yevgeny. Measuring polarization of light quarks at ATLAS and CMS. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 071503., Registrované v: WOS
8. [1.1] KAUFMAN, Bryan - NATH, Pran - NELSON, Brent D. - SPISAK, Andrew B. Light stops and observation of supersymmetry at LHC run II. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095021., Registrované v: WOS
9. [1.1] KIM, Doojin - PARK, Myeonghun. Enhancement of new physics signal sensitivity with mistagged charm quarks. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 758, pp. 190-194., Registrované v: WOS
10. [1.1] PEREZ, Gilad - SOREQ, Yotam - STAMOU, Emmanuel - TOBIOKA, Kohsaku. Constraining the charm Yukawa and Higgs-quark coupling universality. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 033016., Registrované v: WOS
11. [1.1] PEREZ, Gilad - SOREQ, Yotam - STAMOU, Emmanuel - TOBIOKA, Kohsaku. Prospects for measuring the Higgs boson coupling to light quarks. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 013001., Registrované v: WOS

ADCA1049 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCÉI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for scalar leptoquarks in pp collisions at $\sqrt{s}=13\text{TeV}$ with the ATLAS experiment. In *Physics Letters B*, 2012, vol. 715, no. 1-3, p. 44-60. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] BANDYOPADHYAY, Priyotosh - MANDAL, Rusa. Vacuum stability in an extended standard model with a leptoquark. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035007., Registrované v: WOS
2. [1.1] CAI, Yi - GARCIA, Juan Herrero - SCHMIDT, Michael A. - VICENTE, Avelino - VOLKAS, Raymond R. From the Trees to the Forest: A Review of Radiative Neutrino Mass Models. In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2017, vol. 5, art. no. 63., Registrované v: WOS
3. [1.1] HILLER, Gudrun - NISANDZIC, Ivan. R-K and RK^* beyond the standard model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035003., Registrované v: WOS
4. [1.1] CHEUNG, Kingman - NOMURA, Takaaki - OKADA, Hiroshi. A three-loop neutrino model with leptoquark triplet scalars. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 768, pp. 359-364., Registrované v: WOS
5. [1.1] CHEUNG, Kingman - NOMURA, Takaaki - OKADA, Hiroshi. Three-loop neutrino mass model with a colored triplet scalar. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015026., Registrované v: WOS
6. [1.1] LESKOW, Estefania Coluccio - D'AMBROSIO, Giancarlo - CRIVELLIN, Andreas - MUELLER, Dario. $(g-2)(\mu)$, lepton flavor violation, and Z decays with leptoquarks: Correlations and future prospects. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055018., Registrované v: WOS
7. [1.1] RAJ, Nirmal. Anticipating nonresonant new physics in dilepton angular spectra at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015011., Registrované v: WOS
8. [1.1] YAMANAKA, N. - SAHOO, B. K. - YOSHINAGA, N. - SATO, T. - ASAH, K. - DAS, B. P. Probing exotic phenomena at the interface of nuclear and particle physics with the electric dipole moments of diamagnetic atoms: A unique window to hadronic and semi-leptonic CP violation. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 3, art. no. 54., Registrované v: WOS

ADCA1050 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for scalar leptoquarks in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS experiment. In *New Journal of Physics*, 2016, vol. 18, no. 9, art. no. 093016. (2015: 3.570 - IF, Q1 - JCR, 2.330 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1367-2630. Dostupné na: <https://doi.org/10.1088/1367-2630/18/9/093016>

Ohlasy:

1. [1.1] ALLANACH, B. C. - GRIPAPOS, Ben - YOU, Tevong. The case for future hadron colliders from $B \rightarrow K^{(*)} \mu^{+} \mu^{-}$ decays. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 021., Registrované v: WOS
2. [1.1] ALLANACH, B.C. - CORBETT, T. - MADIGAN, M. Sensitivity of future hadron colliders to leptoquark pair production in the di-muon di-jets channel. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044,

FEB 22 2020, vol. 80, no. 2., Registrované v: WOS

3. [1.1] ALVAREZ, E. - SZEWC, M. Nonresonant leptoquark with multigeneration couplings for $\mu\mu jj$ and $\mu\nu jj$ at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 9 2019, vol. 99, no. 9., Registrované v: WOS
4. [1.1] ALVES, A. - EBOLI, O.J.P. - DI CORTONA, G.G. - MOREIRA, R.R. Indirect and monojet constraints on scalar leptoquarks. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 10 2019, vol. 99, no. 9., Registrované v: WOS
5. [1.1] BANDYOPADHYAY, Priyotosh - MANDAL, Rusa. Vacuum stability in an extended standard model with a leptoquark. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035007., Registrované v: WOS
6. [1.1] BANDYOPADHYAY, Priyotosh - MANDAL, Rusa. Revisiting scalar leptoquark at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 491., Registrované v: WOS
7. [1.1] BANSAL, S. - CAPDEVILLA, R.M. - KOLDA, C. Constraining the minimal flavor violating leptoquark explanation of the $RD(^*)$ anomaly. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 28 2019, vol. 99, no. 3., Registrované v: WOS
8. [1.1] BISWAS, A. - GHOSH, D.K. - PATRA, S.K. - SHAW, A. $b \rightarrow c l \nu$ anomalies in light of extended scalar sectors. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, JUL 30 2019, vol. 34, no. 21., Registrované v: WOS
9. [1.1] BISWAS, A. - GHOSH, D.K. - GHOSH, N. - SHAW, A. - SWAIN, A.K. Collider signature of U-1 Leptoquark and constraints from $b \rightarrow c$ observables. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, APR 2020, vol. 47, no. 4., Registrované v: WOS
10. [1.1] BUONOCORE, L. - HAISCH, U. - NASON, P. - TRAMONTANO, F. - ZANDERIGHI, G. Lepton-Quark Collisions at the Large Hadron Collider. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, DEC 2 2020, vol. 125, no. 23., Registrované v: WOS
11. [1.1] CAI, Yi - GARCIA, Juan Herrero - SCHMIDT, Michael A. - VICENTE, Avelino - VOLKAS, Raymond R. From the Trees to the Forest: A Review of Radiative Neutrino Mass Models. In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2017, vol. 5, art. no. 63., Registrované v: WOS
12. [1.1] CAI, Yi - HAN, Tao - LI, Tong - RUIZ, Richard. Lepton Number Violation: Seesaw Models and Their Collider Tests. In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2018, vol. 6, art. no. 40., Registrované v: WOS
13. [1.1] CLINE, James M. B decay anomalies and dark matter from vectorlike confinement. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 015013., Registrované v: WOS
14. [1.1] CRIADO, Juan C. MatchingTools: A Python library for symbolic effective field theory calculations. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 227, pp. 42-50., Registrované v: WOS
15. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
16. [1.1] DAS, Debottam - GHOSH, Kirtiman - MITRA, Manimala -

- MONDAL, Subhadeep. Probing sterile neutrinos in the framework of inverse seesaw mechanism through leptoquark productions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 015024., Registrované v: WOS
17. [1.1] DATTA, A. - WAITE, J. - SACHDEVA, D. Unified explanation of $b \rightarrow s \mu^{(+)} \mu^{(-)}$ anomalies, neutrino masses, and $B \rightarrow \pi K$ puzzle. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 13 2019, vol. 100, no. 5., Registrované v: WOS
18. [1.1] DING, Ran - HAN, Zhi-Long - HUANG, Li - LIAO, Yi. Phenomenology of colored radiative neutrino mass model and its implications on cosmic-ray observations. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 10, art. no. 103101., Registrované v: WOS
19. [1.1] DORSNER, I. - FAJFER, S. - PATRA, M. A comparative study of the S-1 and U-1 leptoquark effects in the light quark regime. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 4 2020, vol. 80, no. 3., Registrované v: WOS
20. [1.1] FONSECA, Renato M. - HIRSCH, Martin - SRIVASTAVA, Rahul. Delta L=3 processes: Proton decay and the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075026., Registrované v: WOS
21. [1.1] GRAVERINI, E. Flavour anomalies: a review. In XIII INTERNATIONAL CONFERENCE ON BEAUTY, CHARM AND HYPERON HADRONS (BEACH 2018). ISSN 1742-6588, 2019, vol. 1137., Registrované v: WOS
22. [1.1] HELO, J.C. - HIRSCH, M. - OTA, T. Proton decay at one loop. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 20 2019, vol. 99, no. 9., Registrované v: WOS
23. [1.1] HILLER, Gudrun - LOOSE, Dennis - NISANDZIC, Ivan. Flavorful leptoquarks at hadron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075004., Registrované v: WOS
24. [1.1] HILLER, Gudrun - NISANDZIC, Ivan. R-K and RK^* beyond the standard model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035003., Registrované v: WOS
25. [1.1] CHAUHAN, Bhavesh - KINDRA, Bharti - NARANG, Ashish. Discrepancies in simultaneous explanation of flavor anomalies and IceCube PeV events using leptoquarks. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095007., Registrované v: WOS
26. [1.1] CHEUNG, Kingman - NOMURA, Takaaki - OKADA, Hiroshi. Testable radiative neutrino mass model without additional symmetries and explanation for the $b \rightarrow s l^{(+)} l^{(-)}$ anomaly. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 115024., Registrované v: WOS
27. [1.1] CHEUNG, Kingman - NOMURA, Takaaki - OKADA, Hiroshi. A three-loop neutrino model with leptoquark triplet scalars. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 768, pp. 359-364., Registrované v: WOS
28. [1.1] CHEUNG, Kingman - NOMURA, Takaaki - OKADA, Hiroshi. Three-loop neutrino mass model with a colored triplet scalar. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015026., Registrované v: WOS
29. [1.1] KAMENIK, J.F. - KATZ, A. - STOLARSKI, D. On lepton flavor universality in top quark decays. In JOURNAL OF HIGH ENERGY

- PHYSICS. ISSN 1029-8479, JAN 4 2019, no. 1., Registrované v: WOS
30. [1.1] KOWALSKA, K. - SESSOLO, E.M. - YAMAMOTO, Y. Constraints on charmphilic solutions to the muon $g-2$ with leptoquarks. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 11 2019, vol. 99, no. 5., Registrované v: WOS
31. [1.1] LESKOW, Estefania Coluccio - D'AMBROSIO, Giancarlo - CRIVELLIN, Andreas - MUELLER, Dario. $(g-2)(\mu)$, lepton flavor violation, and Z decays with leptoquarks: Correlations and future prospects. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055018., Registrované v: WOS
32. [1.1] LI, D. - YUE, C.X. - GONG, X. New physics and invisible decays of light vector mesons. In EPL. ISSN 0295-5075, DEC 2019, vol. 128, no. 5., Registrované v: WOS
33. [1.1] MANDAL, Sanjoy - SINHA, Nita - MITRA, Manimala. Probing leptoquarks and heavy neutrinos at the LHeC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095004., Registrované v: WOS
34. [1.1] MONTEUX, Angelo - RAJARAMAN, Arvind. B anomalies and leptoquarks at the LHC: Beyond the lepton-quark final state. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115032., Registrované v: WOS
35. [1.1] PADHAN, R. - MANDAL, S. - MITRA, M. - SINHA, N. Signatures of $(R)\overline{L}^2$ class of leptoquarks at the upcoming ep colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 20 2020, vol. 101, no. 7., Registrované v: WOS
36. [1.1] RAJ, Nirmal. Anticipating nonresonant new physics in dilepton angular spectra at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015011., Registrované v: WOS
37. [1.1] SCHMALTZ, M. - ZHONG, Y.M. The leptoquark Hunter's guide: large coupling. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 15 2019, no. 1., Registrované v: WOS
38. [1.1] VIGNAROLI, N. Seeking leptoquarks in the $t(\overline{t})$ plus missing energy channel at the high-luminosity LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 15 2019, vol. 99, no. 3., Registrované v: WOS
39. [1.1] YAMANAKA, N. - SAHOO, B. K. - YOSHINAGA, N. - SATO, T. - ASAH, K. - DAS, B. P. Probing exotic phenomena at the interface of nuclear and particle physics with the electric dipole moments of diamagnetic atoms: A unique window to hadronic and semi-leptonic CP violation. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 3, art. no. 54., Registrované v: WOS
40. [1.1] YANASE, K. - YOSHINAGA, N. - HIGASHIYAMA, K. - YAMANAKA, N. Electric dipole moment of Hg-199 atom from P, CP-odd electron-nucleon interaction. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 16 2019, vol. 99, no. 7., Registrované v: WOS

ADCA1051 AABOUD, M. - AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for scalar resonances decaying into $\mu(+) \mu(-)$ in events with and without b-tagged jets produced in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2019, no. 7, art. no. 117. (2018: 5.833 - IF, Q1 -

JCR, 1.016 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na:
[https://doi.org/10.1007/JHEP07\(2019\)117](https://doi.org/10.1007/JHEP07(2019)117)

Ohlasy:

1. [1.1] BOTELLA, F.J. - CORNET-GOMEZ, F. - NEBOT, M. Electron and muon $g-2$ anomalies in general flavor conserving two-Higgs-doublet models. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 24 2020, vol. 102, no. 3., Registrované v: WOS
2. [1.1] STEGGEMANN, J. Extended Scalar Sectors. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 197-223., Registrované v: WOS

ADCA1052 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Search for scalar top quark production in $p(\bar{p})$ collisions at $\sqrt{s}=1.96$ TeV. In *Journal of High Energy Physics*, 2012, vol. 2012, no. 10, art. no. 158. (2011: 5.831 - IF, 1.902 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na:
[https://doi.org/10.1007/JHEP10\(2012\)158](https://doi.org/10.1007/JHEP10(2012)158)

Ohlasy:

1. [1.1] FERRETTI, Gabriele - FRANCESCHINI, Roberto - PETERSSON, Christoffer - TORRE, Riccardo. Monojetlike Searches for Top Squarks with a b Tag. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 20, art. no. 201801., Registrované v: WOS
2. [1.1] GROEBER, Ramona - MUEHLLEITNER, Margarete - POPENDA, Eva - WLOTZKA, Alexander. Light stop decays into $Wb(\chi)$ near the kinematic threshold. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 144-151., Registrované v: WOS
3. [1.1] RAZA, Shabbar - SHAFI, Qaisar - UN, Cem Salih. NLSP gluino and NLSP stop scenarios from b tau Yukawa unification. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 5, art. no. 055010., Registrované v: WOS

ADCA1053 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for second generation scalar leptoquarks in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *European Physical Journal C*, 2012, vol. 72, no. 9, art. no. 2151. (2011: 3.631 - IF, Q2 - JCR, 2.962 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na:
<https://doi.org/10.1140/epjc/s10052-012-2151-6>

Ohlasy:

1. [1.1] ALVES, Daniele S. M. - FOX, Patrick J. - WEINER, Neal. Supersymmetry with a sister Higgs boson. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055003., Registrované v: WOS
2. [1.1] BECIREVIC, Damir - FAJFER, Svjetlana - KOSNIK, Nejc. Lepton flavor nonuniversality in $b \rightarrow sl^{(+)}l^{(-)}$ processes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 1, art. no. 014016., Registrované v: WOS
3. [1.1] DING, Ran - HAN, Zhi-Long - HUANG, Li - LIAO, Yi. Phenomenology of colored radiative neutrino mass model and its implications on cosmic-ray observations. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 10, art. no. 103101., Registrované v: WOS

4. [1.1] DORSNER, I. - FAJFER, S. - GRELJO, A. - KAMENIK, J. F. - KOSNIK, N. Physics of of leptoquarks in precision experiments and at particle colliders. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2016, vol. 641, pp. 1-68., Registrované v: WOS
5. [1.1] EVANS, Jason L. - NAGATA, Natsumi. Signatures of leptoquarks at the LHC and right-handed neutrinos. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 1, art. no. 015022., Registrované v: WOS
6. [1.1] FONSECA, Renato M. - HIRSCH, Martin. SU(5)-inspired double beta decay. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 015014., Registrované v: WOS
7. [1.1] MANDAL, Tanumoy - MITRA, Subhadip - SETH, Satyajit. Pair production of scalar leptoquarks at the LHC to NLO parton shower accuracy. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 035018., Registrované v: WOS
8. [1.1] QUEIROZ, Farinaldo S. - SINHA, Kuver - STRUMIA, Alessandro. Leptoquarks, dark matter, and anomalous LHC events. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 3, art. no. 035006., Registrované v: WOS

ADCA1054 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for single b^* -quark production with the ATLAS detector at $\sqrt{s}=7$ TeV. In *Physics Letters B*, 2013, vol. 721, no. 4-5, p. 171-189. (2012: 4.569 - IF, Q1 - JCR, 3.353 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] KIM, Doojin - KONG, Kyoungchul. Kinematic discrimination of tW and $t(t)\text{over-bar}$ productions using initial state radiation. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 751, pp. 512-524., Registrované v: WOS
2. [1.1] MORETTI, Stefano - O'BRIEN, Dermot - PANIZZI, Luca - PRAGER, Hugo. Production of extra quarks at the Large Hadron Collider beyond the narrow width approximation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075035., Registrované v: WOS

ADCA1055 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABELOOS, B. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for single production of a vector-like quark via a heavy gluon in the $4b$ final state with the ATLAS detector in pp collisions at $\sqrt{s}=8$ TeV. In *Physics Letters B*, 2016, vol. 758, p. 249-268. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2016.04.061>

Ohlasy:

1. [1.1] BOTELLA, Francisco J. - BRANCO, G. C. - NEBOT, Miguel - REBELO, M. N. - SILVA-MARCOS, J. I. Vector-like quarks at the origin of light quark masses and mixing. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 6, art. no. 408., Registrované v: WOS
2. [1.1] CURTIN, David - DESHPANDE, Kaustubh - FISCHER, Oliver - ZURITA, Jose. New physics opportunities for long-lived particles at

- electron-proton colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 024., Registrované v: WOS
3. [1.1] DEANDREA, A. - IYER, A. M. Vectorlike quarks and heavy colored bosons at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055002., Registrované v: WOS
4. [1.1] FUKS, Benjamin - SHAO, Hua-Sheng. QCD next-to-leading-order predictions matched to parton showers for vector-like quark models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 2, art. no. 135., Registrované v: WOS
5. [1.1] HARIGAYA, K. - MCGEHEE, R. - MURAYAMA, H. - SCHUTZ, K. A predictive mirror twin Higgs with small $Z(2)$ breaking. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 28 2020, no. 5., Registrované v: WOS
6. [1.1] SONG, J. - YOON, Y.W. W gamma decay of the elusive charged Higgs boson in the two-Higgs-doublet model with vectorlike fermions. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 6 2019, vol. 100, no. 5., Registrované v: WOS

ADCA1056 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for single production of vector-like quarks decaying into Wb in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2019, no. 5, art. no. 164. (2018: 5.833 - IF, Q1 - JCR, 1.016 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP05\(2019\)164](https://doi.org/10.1007/JHEP05(2019)164)

Ohlasy:

1. [1.1] HE, S.P. Higgs boson to gamma Z decay as a probe of flavor-changing neutral Yukawa couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 27 2020, vol. 102, no. 7., Registrované v: WOS
2. [1.1] SHANG, L.L. - WEI, W. - YANG, B.F. Search for vector -like T quark through the channel at e^+e^- collider. In NUCLEAR PHYSICS B. ISSN 0550-3213, JUN 2020, vol. 955., Registrované v: WOS

ADCA1057 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABELOOS, B. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for single production of vector-like quarks decaying into Wb in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *European Physical Journal C*, 2016, vol. 76, no. 8, art. no. 442. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4281-8>

Ohlasy:

1. [1.1] BERTUZZO, Enrico - MACHADO, Pedro A. N. - PEREZ-GONZALEZ, Yuber F. - FUNCHAL, Renata Zukanovich. Constraints from triple gauge couplings on vectorlike leptons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035035., Registrované v: WOS
2. [1.1] BIZOT, Nicolas - CACCIAPAGLIA, Giacomo - FLACKE, Thomas. Common exotic decays of top partners. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 065., Registrované v:

WOS

3. [1.1] BOTELLA, Francisco J. - BRANCO, G. C. - NEBOT, Miguel - REBELO, M. N. - SILVA-MARCOS, J. I. Vector-like quarks at the origin of light quark masses and mixing. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 6, art. no. 408., Registrované v: WOS
4. [1.1] DERCKX, Daniel - MOORTGAT-PICK, Gudrid - REUTER, Juergen - SHIM, So Young. The fate of the littlest Higgs model with T-parity under 13 TeV LHC data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 049., Registrované v: WOS
5. [1.1] EASA, H. - GREGOIRE, T. - STOLARSKI, D. New limits on coloured three jet resonances. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 21 2020, no. 9., Registrované v: WOS
6. [1.1] FUKS, Benjamin - SHAO, Hua-Sheng. QCD next-to-leading-order predictions matched to parton showers for vector-like quark models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 2, art. no. 135., Registrované v: WOS
7. [1.1] HUE, L. T. - ARBUZOV, A. B. - NGAN, N. T. K. - LONG, H. N. Probing neutrino and Higgs sectors in $SU(2)_L(1) \times SU(2)_R(2) \times U(1)_Y$ model with lepton-flavor non-universality. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 5, art. no. 346., Registrované v: WOS
8. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS
9. [1.1] CHEUNG, Kingman - KO, P. - LEE, Jae Sik - PARK, Jubin - TSENG, Po-Yan. Higgs precision study of the 750 GeV diphoton resonance and the 125 GeV standard model Higgs boson with Higgs-singlet mixing. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 033010., Registrované v: WOS
10. [1.1] IYER, Abhishek M. - MAITRA, Ushoshi. Dissecting new physics models through kinematic edges. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035039., Registrované v: WOS
11. [1.1] SONG, J. - YOON, Y.W. W gamma decay of the elusive charged Higgs boson in the two-Higgs-doublet model with vectorlike fermions. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 6 2019, vol. 100, no. 5., Registrované v: WOS
12. [1.1] ZIDI, Mohamed Sadek. NLO QCD corrections to single vector-like top partner production in association with top quark at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 123., Registrované v: WOS

ADCA1058 AARON, F.D. - BRUNCKO, Dušan - FERENCEI, Jozef - MURÍN, Pavol - TOMASZ, Filip. Search for single top quark production at HERA. In *Physics Letters B*, 2009, vol. 678, no. 5, p. 450-458. (2008: 4.034 - IF, Q1 - JCR, 2.853 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na:
<https://doi.org/10.1016/j.physletb.2009.06.057>

Ohlasy:

1. [1.1] BEHNKE, O. - GEISER, A. - LISOVYI, M. Charm, beauty and top at HERA. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2015, vol. 84, pp. 1-72., Registrované v: WOS

2. [1.1] DAVIDSON, Sacha - MANGANO, Michelangelo L. - PERRIES, Stephane - SORDINI, Viola. Lepton flavour violating top decays at the LHC. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 450., Registrované v: WOS
3. [1.1] DURIEUX, Gauthier - MALTONI, Fabio - ZHANG, Cen. Global approach to top-quark flavor-changing interactions. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2015, vol. 91, no. 7, art. no. 074017., Registrované v: WOS

ADCA1059 AKTAS, A. - BRUNCKO, Dušan - FERENCZI, Jozef - MURÍN, Pavol - TOMASZ, Filip. Search for single top quark production in ep collisions at HERA. In *European Physical Journal C*, 2004, vol. 33, no. 1, p. 9-22. (2003: 3.580 - IF, Current Contents - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s2003-01588-2>

Ohlasy:

1. [1.1] DAVIDSON, Sacha - MANGANO, Michelangelo L. - PERRIES, Stephane - SORDINI, Viola. Lepton flavour violating top decays at the LHC. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 450., Registrované v: WOS
2. [1.1] DURIEUX, Gauthier - MALTONI, Fabio - ZHANG, Cen. Global approach to top-quark flavor-changing interactions. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2015, vol. 91, no. 7, art. no. 074017., Registrované v: WOS

ADCA1060 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for single top-quark production via flavour-changing neutral currents at 8TeV with the ATLAS detector. In *European Physical Journal C*, 2016, vol. 76, no. 2, art. no. 55. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-3876-4>

Ohlasy:

1. [1.1] ARANDA, J.I. - ESPINOSA-GOMEZ, D. - MONTANO, J. - RAMIREZ-ZAVALA, F. - TUTUTI, E.S. Rare decays of the top quark mediated by Z' gauge bosons and flavor violation. In *MODERN PHYSICS LETTERS A*. ISSN 0217-7323, JUN 14 2020, vol. 35, no. 18., Registrované v: WOS
2. [1.1] BOOS, E. - DUDKO, L. - MANDRIK, P. - SLABOSPITSKII, S. Top Quark: Results and Prospects. In *PHYSICS OF PARTICLES AND NUCLEI*. ISSN 1063-7796, MAY 2019, vol. 50, no. 3, p. 231-258., Registrované v: WOS
3. [1.1] BOOS, E.E. - BUNICHEV, V.E. - DUDKO, L.V. - PERFILOV, M.A. - VOROTNIKOV, G.A. Eligibility of EFT Approach to Search for tqg FCNC Phenomenon. In *PHYSICS OF ATOMIC NUCLEI*. ISSN 1063-7788, NOV 2020, vol. 83, no. 6, p. 984-988., Registrované v: WOS
4. [1.1] HUNG, P. Q. - LIN, Yu-Xiang - NUGROHO, Chrisna Setyo - YUAN, Tzu-Chiang. Top quark rare decays via loop-induced FCNC interactions in extended mirror fermion model. In *NUCLEAR PHYSICS B*. ISSN 0550-3213, 2018, vol. 927, pp. 166-183., Registrované v: WOS
5. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects.

- In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS
6. [1.1] CHIANG, C.W. - DEY, U.K. - JHA, T. $t \rightarrow c g$ and $t \rightarrow c Z$ in universal extra-dimensional models. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, MAY 2019, vol. 134, no. 5., Registrované v: WOS
7. [1.1] KHANPOUR, Hamzeh - KHATIBI, Sara - YANEHSARI, Morteza Khatiri - NAJAFABADI, Mojtaba Mohammadi. Single top quark production as a probe of anomalous $t q \gamma$ and $t q Z$ couplings at the FCC-ee. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 775, pp. 25-31., Registrované v: WOS
8. [1.1] KHANPOUR, H. Probing top quark FCNC couplings in the triple-top signal at the high energy LHC and future circular collider. In NUCLEAR PHYSICS B. ISSN 0550-3213, SEP 2020, vol. 958., Registrované v: WOS
9. [1.1] KIM, T.J. - KO, P. - LI, J. - PARK, J. - WU, P. Correlation between $RD()$ and top quark FCNC decays in leptoquark models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 4 2019, no. 7., Registrované v: WOS

ADCA1061 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2015, vol. 2015, no. 4, art. no. 116. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP04\(2015\)116](https://doi.org/10.1007/JHEP04(2015)116)

Ohlasy:

1. [1.1] ABDALLAH, W. - KHALIL, S. MSSM Dark Matter in Light of Higgs and LUX Results. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, vol., no., pp., Registrované v: WOS
2. [1.1] AGARWALLA, S.K. - GHOSH, K. - KUMAR, N. - PATRA, A. Same-sign multilepton signatures of an $SU(2)(R)$ quintuplet at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 9 2019, no. 1., Registrované v: WOS
3. [1.1] AMBROGI, Federico - KRAML, Sabine - KULKARNI, Suchita - LAA, Ursula - LESSA, Andre - WALTENBERGER, Wolfgang. On the coverage of the pMSSM by simplified model results. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 215., Registrované v: WOS
4. [1.1] BAER, Howard - BARGER, Vernon - SAVOY, Michael - TATA, Xerxes. Multichannel assault on natural supersymmetry at the high luminosity LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035025., Registrované v: WOS
5. [1.1] BAER, Howard - BARGER, Vernon - SAVOY, Michael. Generalized focus point and mass spectra comparison of highly natural SUGRA GUT models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075001., Registrované v: WOS
6. [1.1] BAER, Howard - BARGER, Vernon - GAINER, James S. - HUANG, Peisi - SAVOY, Michael - SENGUPTA, Dibyashree - TATA, Xerxes.

- Gluino reach and mass extraction at the LHC in radiatively-driven natural SUSY. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 7, art. no. 499., Registrované v: WOS
7. [1.1] BEURIA, Jyotiranjana - DATA, Asesh Krishna - DEBNATH, Dipsikha - MATCHEV, Konstantin T. LHC collider phenomenology of minimal universal extra dimensions. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 226, pp. 187-205., Registrované v: WOS
8. [1.1] BLUM, Kfir - EFRATI, Aielet - FRUGIUELE, Claudia - NIR, Yosef. Exotic colored scalars at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 2, art. no. 104., Registrované v: WOS
9. [1.1] CAHILL-ROWLEY, M. - HEWETT, J. L. - ISMAIL, A. - RIZZO, T. G. ATLAS Z plus missing transverse energy excess in the MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 075029., Registrované v: WOS
10. [1.1] DERCKS, Daniel - DREINER, Herbi - KRAUSS, Manuel E. - OPFERKUCH, Toby - REINERT, Annika. R-parity violation at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 856., Registrované v: WOS
11. [1.1] DEUTSCHMANN, Nicolas - FLACKE, Thomas - KIM, Jong Soo. Current LHC constraints on minimal universal extra dimensions. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 771, pp. 515-520., Registrované v: WOS
12. [1.1] EVERETT, Lisa L. - GARON, Todd - KAUFMAN, Bryan L. - NELSON, Brent D. Mirage models confront the LHC. III. Deflected mirage mediation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055031., Registrované v: WOS
13. [1.1] FREITAS, Ayres - KONG, Kyoungchul - WIEGAND, Daniel. Radiative corrections to masses and couplings in universal extra dimensions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 093., Registrované v: WOS
14. [1.1] GANGULY, Nabanita - DATTA, Anindya. Exploring non minimal Universal Extra Dimensional model at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 072., Registrované v: WOS
15. [1.1] GARBRECHT, B. - LANDIM, R.G. Fat brane and seesaw mechanism in extra dimensions. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 6 2020, vol. 102, no. 9., Registrované v: WOS
16. [1.1] GARCIA-JIMENEZ, I. - NOVALES-SANCHEZ, H. - TOSCANO, J. J. Distinctive ultraviolet structure of extra-dimensional Yang-Mills theories by integration of heavy Kaluza-Klein modes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 096007., Registrované v: WOS
17. [1.1] GARCIA-JIMENEZ, I. - MONTANO, J. - NAPOLES-CANEDO, G. - NOVALES-SANCHEZ, H. - TOSCANO, J.J. - TUTUTI, E.S. Diphoton Higgs signal strength in universal extra dimensions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, OCT 2020, vol. 47, no. 10., Registrované v: WOS
18. [1.1] GHOSH, K. - KARABACAK, D. - NANDI, S. Universal Extra Dimension models with gravity mediated decays after LHC Run II data. In PHYSICS LETTERS B. ISSN 0370-2693, JAN 10 2019, vol. 788, p. 388-395.,

Registrované v: WOS

19. [1.1] GURSKAYA, A. V. - DOLGOPOLOV, M. V. - RYKOVA, E. N. Higgs bosons in standard model extensions. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, 2017, vol. 48, no. 5, pp. 822-826.,

Registrované v: WOS

20. [1.1] KIM, Jong Soo - KRAUSS, Manuel E. - LOZANO, Victor Martin. Probing the electroweakino sector of general gauge mediation at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 150-157.,

Registrované v: WOS

21. [1.1] LANDIM, R.G. Fat brane, dark matter and localized kinetic terms in six dimensions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 14 2020, vol. 80, no. 2., Registrované v: WOS

22. [1.1] LANDIM, R.G. Gauge field and brane-localized kinetic terms on the chiral square. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 2019, vol. 79, no. 10., Registrované v: WOS

23. [1.1] LANDIM, R.G. - RIZZO, T.G. Thick branes in extra dimensions and suppressed dark couplings. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 21 2019, no. 6., Registrované v: WOS

24. [1.1] LIEW, Seng Pei - PAPUCCI, Michele - VICHI, Alessandro - ZUREK, Kathryu M. Mono-X versus direct searches: simplified models for dark matter at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 6, art. no. 082., Registrované v: WOS

25. [1.1] LOPEZ-OSORIO, M.A. - MARTINEZ-PASCUAL, E. - NAPOLES-CANEDO, G.I. - TOSCANO, J.J. One-Loop order effects from one extra universal dimension on $\lambda(4)$ theory. In JOURNAL OF PHYSICS COMMUNICATIONS. ISSN 2399-6528, NOV 2020, vol. 4, no. 11.,

Registrované v: WOS

26. [1.1] MARTINEZ-PASCUAL, E. - NAPOLES-CANEDO, G. - NOVALES-SANCHEZ, H. - SIERRA-MARTINEZ, A. - TOSCANO, J.J. Implications of extra dimensions on the effective charge and the beta function in quantum electrodynamics. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 25 2020, vol. 101, no. 3., Registrované v: WOS

27. [1.1] MATTIOLI, L. - FRASSINO, A.M. - PANELLA, O. Casimir-Polder interactions with massive photons: Implications for BSM physics. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 31 2019, vol. 100, no. 11., Registrované v: WOS

28. [1.1] STENGEL, Patrick - TATA, Xerxes. Same-sign Higgsino production at the CERN LHC: How not to hunt for natural supersymmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 11, art. no. 115024., Registrované v: WOS

29. [1.1] TATA, Xerxes. Supersymmetry: aspirations and prospects. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 10, art. no. 108001., Registrované v: WOS

30. [1.1] TSUCHIDA, Satoshi - MORI, Masaki. The electron plus positron spectrum from annihilation of Kaluza-Klein dark matter in the Galaxy. In INTERNATIONAL JOURNAL OF MODERN PHYSICS D. ISSN 0218-2718, 2017, vol. 26, no. 9, art. no. 1750095., Registrované v: WOS

ADCA1062

AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol.

Search for squarks and gluinos in events with hadronically decaying tau leptons, jets and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV recorded with the ATLAS detector. In *European Physical Journal C*, 2016, vol. 76, no. 12, art. no. 683. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4481-2>

Ohlasy:

1. [1.1] GEHRLEIN, J. - IPEK, S. - FOX, P.J. Bio phenomenology at the LHC. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, MAR 13 2019, no. 3., Registrované v: WOS
2. [1.1] HUANG, Peisi - ROGLANS, Roger A. - SPIEGEL, Daniel D. - SUN, Yitian - WAGNER, Carlos E. M. Constraints on supersymmetric dark matter for heavy scalar superpartners. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095021., Registrované v: WOS
3. [1.1] LU, Xiaochuan - SHIRAI, Satoshi. Low-scale gauge mediation after LHC Run 2. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2018, vol. 784, pp. 237-247., Registrované v: WOS

ADCA1063

AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for squarks and gluinos in events with an isolated lepton, jets, and missing transverse momentum at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Physical Review D*, 2017, vol. 96, no. 11, art. no. 112010. (2016: 4.557 - IF, Q1 - JCR, 2.115 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.96.112010>

Ohlasy:

1. [1.1] ABOUBRAHIM, Amin - NATH, Pran. Supersymmetry at a 28 TeV hadron collider: HE-LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 015009., Registrované v: WOS
2. [1.1] ARHRIB, A. - BENBRIK, R. - HAROUIZ, H. - MORETTI, S. - ROUCHAD, A. A Guidebook to Hunting Charged Higgs Bosons at the LHC. In *FRONTIERS IN PHYSICS*. ISSN 2296-424X, MAR 10 2020, vol. 8., Registrované v: WOS
3. [1.1] BAGNASCHI, E. - BAHL, H. - FUCHS, E. - HAHN, T. - HEINEMEYER, S. - LIEBLER, S. - PATEL, S. - SLAVICH, P. - STEFANIAK, T. - WAGNER, C.E.M. - WEIGLEIN, G. MSSM Higgs boson searches at the LHC: benchmark scenarios for Run 2 and beyond. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, JUL 20 2019, vol. 79, no. 7., Registrované v: WOS
4. [1.1] BAHL, H. - LIEBLER, S. - STEFANIAK, T. MSSM Higgs benchmark scenarios for Run 2 and beyond: the low $\tan\beta$ region. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS
5. [1.1] COX, Peter - HAN, Chengcheng - YANAGIDA, Tsutomu T. Muon $g-2$ and dark matter in the minimal supersymmetric standard model. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 055015., Registrované v: WOS
6. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In *FRONTIERS IN PHYSICS*.

ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS

7. [1.1] DEMIRCI, M. Associated production of Higgs boson with a photon at electron-positron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 2 2019, vol. 100, no. 7., Registrované v: WOS

8. [1.1] DOMCKE, Valerie - SCHMITZ, Kai. Inflation from high-scale supersymmetry breaking. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115025., Registrované v: WOS

9. [1.1] FUKS, B. - NORDSTROM, K. - RUIZ, R. - WILLIAMSON, S.L. Sleptons without hadrons. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 11 2019, vol. 100, no. 7., Registrované v: WOS

10. [1.1] HAN, Chengcheng - LI, Ruibo - PAN, Ren-Qi - WANG, Kai. Searching for the light Higgsinos in the MSSM at future e-p colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115003., Registrované v: WOS

11. [1.1] CHAKRABORTY, Amit - KUTTIMALAI, Silvan - LIM, Sung Hak - NOJIRI, Mihoko M. - RUIZ, Richard. Monojet signatures from heavy colored particles: future collider sensitivities and theoretical uncertainties. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 8, art. no. 679., Registrované v: WOS

12. [1.1] KALINOWSKI, Jan - KOZOW, Pawel - POKORSKI, Stefan - ROSIEK, Janusz - SZLEPER, Michal - TKACZYK, Slawomir. Same-sign WW scattering at the LHC: can we discover BSM effects before discovering new states? In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 5, art. no. 403., Registrované v: WOS

13. [1.1] KOUDA, Yusaku - KON, Tadashi - KURIHARA, Yoshimasa - ISHIKAWA, Tadashi - JIMBO, Masato - KATO, Kiyoshi - KURODA, Masaaki. One-loop effects of Minimal Supersymmetric Standard Model particles in $e(-)e(+)\rightarrow Z h$ and $e(-)e(+)\rightarrow \nu(\bar{\nu})\gamma$ at the International Linear Collider. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2018, no. 8, art. no. 083B03., Registrované v: WOS

ADCA1064 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABED ABUD, A. - ABELING, K. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb⁻¹ of data collected with the ATLAS detector. In *Journal of High Energy Physics*, 2020, no. 6, art. no. 046. (2019: 5.875 - IF, Q1 - JCR, 0.948 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP06\(2020\)046](https://doi.org/10.1007/JHEP06(2020)046)

Ohlasy:

1. [1.1] BAHL, H. - SOBOLEV, I. - WEIGLEIN, G. Precise prediction for the mass of the light MSSM Higgs boson for the case of a heavy gluino. In PHYSICS LETTERS B. ISSN 0370-2693, SEP 10 2020, vol. 808., Registrované v: WOS

2. [1.1] COSTANTINI, A. - DE LILLO, F. - MALTONI, F. - MANTANI, L. - MATTELAER, O. - RUIZ, R. - ZHAO, X.R. Vector boson fusion at multi-TeV muon colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 10 2020, no. 9., Registrované v: WOS

3. [1.1] GHOSH, D.K. - HOU, W.S. - MODAK, T. Sub-TeV H⁺ Boson Production as Probe of Extra Top Yukawa Couplings. In PHYSICAL REVIEW

LETTERS. ISSN 0031-9007, NOV 24 2020, vol. 125, no. 22., Registrované v: WOS

4. [1.1] HOU, W.S. - HSU, T.H. - MODAK, T. Constraining the $t \rightarrow u$ flavor changing neutral Higgs coupling at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 9 2020, vol. 102, no. 5., Registrované v: WOS

ADCA1065 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for squarks and gluinos in final states with hadronically decaying tau-leptons, jets, and missing transverse momentum using pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Physical Review D*, 2019, vol. 99, no. 1, art. no. 012009. (2018: 4.368 - IF, Q1 - JCR, 1.703 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.99.012009>

Ohlasy:

1. [1.1] CURTIN, D. - DESHPANDE, K. - FISCHER, O. - ZURITA, J. Closing the light gluino gap with electron-proton colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 12 2019, vol. 99, no. 5., Registrované v: WOS

2. [1.1] TRAN, H.M. - NGUYEN, H.T. GUT-inspired MSSM in light of muon $g-2$ and LHC results at $\sqrt{s}=13$ TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 26 2019, vol. 99, no. 3., Registrované v: WOS

3. [1.1] YANASE, K. - YOSHINAGA, N. - HIGASHIYAMA, K. - YAMANAKA, N. Electric dipole moment of Hg-199 atom from P, CP-odd electron-nucleon interaction. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 16 2019, vol. 99, no. 7., Registrované v: WOS

ADCA1066 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for squarks and gluinos in final states with jets and missing transverse momentum at $\sqrt{s}=13$ TeV with the ATLAS detector. In *European Physical Journal C*, 2016, vol. 76, no. 7, art. no. 392. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4184-8>

Ohlasy:

1. [1.1] ARAZ, J.Y. - FRANK, M. - FUKS, B. Reinterpreting the results of the LHC with MadAnalysis 5: uncertainties and higher-luminosity estimates. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 13 2020, vol. 80, no. 6., Registrované v: WOS

2. [1.1] ARINA, Chiara. Impact of Cosmological and Astrophysical Constraints on Dark Matter Simplified Models. In FRONTIERS IN ASTRONOMY AND SPACE SCIENCES. ISSN 2296-987X, 2018, vol. 5, art. no. 30., Registrované v: WOS

3. [1.1] BAUER, Martin - BUTTER, Anja - DESAI, Nishita - GONZALEZ-FRAILE, J. - PLEHN, Tilman. Validity of dark matter effective theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075036., Registrované v: WOS

4. [1.1] BELYAEV, Alexander S. - FLACKE, Thomas - JAIN, Bithika - SCHAEFERS, Patrick B. LHC dark matter signals from vector resonances and

- top partners. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035019., Registrované v: WOS
5. [1.1] BLUM, Kfir - EFRATI, Aielet - FRUGIUELE, Claudia - NIR, Yosef. Exotic colored scalars at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 2, art. no. 104., Registrované v: WOS
6. [1.1] CACCIAPAGLIA, G. - CONTE, E. - DEANDREA, A. - FUKS, B. - SHAO, H.S. LHC constraints and potential on resonant monotop production. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 25 2019, vol. 79, no. 2., Registrované v: WOS
7. [1.1] COLUCCI, Stefano - FUKS, Benjamin - GIACCHINO, Federica - HONOREZ, Laura Lopez - TYTGAT, Michel H. G. - VANDECASTEELE, Jerome. Top-philic vectorlike portal to scalar dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035002., Registrované v: WOS
8. [1.1] DAS, Dipankar - LOPEZ-IBANEZ, M. L. - JAY PEREZ, M. - VIVES, Oscar. Effective theories of flavor and the nonuniversal MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035001., Registrované v: WOS
9. [1.1] DEMIRCI, M. - AHMADOV, A. I. Neutralino pair production via photon-photon collisions at the ILC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075025., Registrované v: WOS
10. [1.1] DERCKS, Daniel - DESAI, Nishita - KIM, Jong Soo - ROLBIECKI, Krzysztof - TATTERSALL, Jamie - WEBER, Torsten. CheckMATE 2: From the model to the limit. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2017, vol. 221, pp. 383-418., Registrované v: WOS
11. [1.1] DERCKS, Daniel - DREINER, Herbi - KRAUSS, Manuel E. - OPFERKUCH, Toby - REINERT, Annika. R-parity violation at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 856., Registrované v: WOS
12. [1.1] DERCKS, Daniel - MOORTGAT-PICK, Gudrid - REUTER, Juergen - SHIM, So Young. The fate of the littlest Higgs model with T-parity under 13 TeV LHC data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 049., Registrované v: WOS
13. [1.1] DERCKS, D. - ROBENS, T. Constraining the Inert Doublet Model using Vector Boson Fusion. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
14. [1.1] DEUTSCHMANN, Nicolas - FLACKE, Thomas - KIM, Jong Soo. Current LHC constraints on minimal universal extra dimensions. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 771, pp. 515-520., Registrované v: WOS
15. [1.1] DEY, Ujjal Kumar - KAR, Deepak - MITRA, Manimala - SPANNOVSKY, Michael - VINCENT, Aaron C. Searching for leptoquarks at IceCube and the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035014., Registrované v: WOS
16. [1.1] DIESSNER, P. - KALINOWSKI, J. - KOTLARSKI, W. - STOCKINGER, D. CONFRONTING THE COLOURED SECTOR OF THE MRSSM WITH LHC DATA. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, NOV 2019, vol. 50, no. 11, p. 1929-1935., Registrované v: WOS
17. [1.1] DIESSNER, P. - KALINOWSKI, J. - KOTLARSKI, W. -

- STOCKINGER, D. Confronting the coloured sector of the MRSSM with LHC data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 16 2019, no. 9., Registrované v: WOS
18. [1.1] DUTTA, Juhi - KONAR, Partha - MONDAL, Subhadeep - MUKHOPADHYAYA, Biswarup - RAI, Santosh Kumar. Search for a compressed supersymmetric spectrum with a light gravitino. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 9, art. no. 026., Registrované v: WOS
19. [1.1] EL HEDRI, Sonia - KAMINSKA, Anna - DE VRIES, Maikel - ZURITA, Jose. Simplified phenomenology for colored dark sectors. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, art. no. 118., Registrované v: WOS
20. [1.1] FRANK, M. - HICYILMAZ, Y. - MORETTI, S. - OZDAL, O. Leptophobic Z' bosons in the secluded UMSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 21 2020, vol. 102, no. 11., Registrované v: WOS
21. [1.1] FUKS, B. Cornering top-philic dark matter with colliders and cosmology: the importance of QCD corrections. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2018). ISSN 1742-6588, 2019, vol. 1271., Registrované v: WOS
22. [1.1] GHOSH, Pradipta - LARA, Inaki - LOPEZ-FOGLIANI, Daniel E. - MUNOZ, Carlos - DE AUSTRI, Roberto Ruiz. Searching for left sneutrino LSP at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 18-19, art. no. 1850110., Registrované v: WOS
23. [1.1] HAN, T. - ISMAIL, A. - HAGHI, B.S.E. SUSY signals from QCD production at the upgraded LHC. In PHYSICS LETTERS B. ISSN 0370-2693, JUN 10 2019, vol. 793, p. 354-359., Registrované v: WOS
24. [1.1] HUTAURUK, P.T.P. - NOMURA, T. - OKADA, H. - ORIKASA, Y. Dark matter and B-meson anomalies in a flavor dependent gauge symmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 27 2019, vol. 99, no. 5., Registrované v: WOS
25. [1.1] CHAUHAN, Bhavesh - KINDRA, Bharti - NARANG, Ashish. Discrepancies in simultaneous explanation of flavor anomalies and IceCube PeV events using leptoquarks. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095007., Registrované v: WOS
26. [1.1] CHIANG, C.W. - OKADA, H. A simple model for explaining muon-related anomalies and dark matter. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, JUL 20 2019, vol. 34, no. 20., Registrované v: WOS
27. [1.1] CHOWDHURY, Debtosh - PATEL, Ketan M. - TATA, Xerxes - VEMPATI, Sudhir K. Indirect searches of the degenerate MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075025., Registrované v: WOS
28. [1.1] JUBB, Thomas - KIRK, Matthew - LENZ, Alexander. Charming dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 12, art. no. 010., Registrované v: WOS
29. [1.1] KATS, Yevgeny - MCCULLOUGH, Matthew - PEREZ, Gilad - SOREQ, Yotam - THALER, Jesse. Colorful Twisted Top Partners and Partnerium at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 6, art. no. 126., Registrované v: WOS

30. [1.1] KOWALSKA, Kamila - SESSOLO, Enrico Maria. MSSM fits to the ATLAS 1 lepton excess. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 2, art. no. 79., Registrované v: WOS
31. [1.1] KOWALSKA, Kamila. Phenomenological MSSM in light of new 13 TeV LHC data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 12, art. no. 684., Registrované v: WOS
32. [1.1] KO, P. - NOMURA, Takaaki - OKADA, Hiroshi. Explaining $B \rightarrow K^{(*)}l^{+}l^{-}$ anomaly by radiatively induced coupling in $U(1)_{(\mu-\tau)}$ gauge symmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 111701., Registrované v: WOS
33. [1.1] KRAML, Sabine - LAA, Ursula - MAWATARI, Kentarou - YAMASHITA, Kimiko. Simplified dark matter models with a spin-2 mediator at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 5, art. no. 326., Registrované v: WOS
34. [1.1] LIEW, Seng Pei - LUO, Feng. Effects of QCD bound states on dark matter relic abundance. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 2, art. no. 091., Registrované v: WOS
35. [1.1] MORETTI, Stefano - O'BRIEN, Dermot - PANIZZI, Luca - PRAGER, Hugo. Production of extra quarks decaying to dark matter beyond the narrow width approximation at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035033., Registrované v: WOS

ADCA1067 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for squarks and gluinos in final states with jets and missing transverse momentum using 36 fb⁻¹ of $\sqrt{s}=13$ TeV pp collision data with the ATLAS detector. In *Physical Review D*, 2018, vol. 97, no. 11, art. no. 112001. (2017: 4.394 - IF, Q1 - JCR, 1.801 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.97.112001>

Ohlasy:

1. [1.1] ABDUGHANI, M. - WU, L. On the coverage of neutralino dark matter in coannihilations at the upgraded LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 12 2020, vol. 80, no. 3., Registrované v: WOS
2. [1.1] ACUNA, J.T. - FABBRICHESI, M. - ULLIO, P. Phenomenological consequences of an interacting multicomponent dark sector. In PHYSICAL REVIEW D. ISSN 1550-7998, OCT 8 2020, vol. 102, no. 8., Registrované v: WOS
3. [1.1] AHMED, W. - MANSHA, A. - LI, T.J. - RAZA, S. - ROY, J. - XU, F.Z. The upper bounds on supersymmetry breaking scales in split supersymmetry from the Higgs mass and electroweak vacuum stability. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, APR 2020, vol. 2020, no. 4., Registrované v: WOS
4. [1.1] ARAZ, J.Y. - FRANK, M. - FUKS, B. Reinterpreting the results of the LHC with MadAnalysis 5: uncertainties and higher-luminosity estimates. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 13 2020, vol. 80, no. 6., Registrované v: WOS
5. [1.1] ARHRIB, A. - BENBRIK, R. - HAROUIZ, H. - MORETTI, S. - ROUCHAD, A. A Guidebook to Hunting Charged Higgs Bosons at the LHC. In

FRONTIERS IN PHYSICS. ISSN 2296-424X, MAR 10 2020, vol. 8.,

Registrované v: WOS

6. [1.1] ARINA, C. - FUKS, B. - MANTANI, L. A universal framework for t-channel dark matter models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 12 2020, vol. 80, no. 5., Registrované v: WOS

7. [1.1] BADZIAK, M. - DESAI, N. - HUGONIE, C. - ZIEGLER, R.

Extended gauge mediation in the NMSSM with displaced LHC signals. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 28 2019, vol. 79, no. 1., Registrované v: WOS

8. [1.1] BAER, Howard - BARGER, Vernon - SENGUPTA, Dibyashree. Anomaly-mediated SUSY breaking model retrofitted for naturalness. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 015039., Registrované v: WOS

9. [1.1] BAER, H. - BARGER, V. - SENGUPTA, D. - SALAM, S. - SINHA, K. Status of weak scale supersymmetry after LHC Run 2 and ton-scale noble liquid WIMP searches. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 21, SI, p. 3085-3141., Registrované v: WOS

10. [1.1] BAER, H. - BARGER, V. - SALAM, S. - SENGUPTA, D. - TATA, X. The LHC higgsino discovery plane for present and future SUSY searches. In PHYSICS LETTERS B. ISSN 0370-2693, NOV 10 2020, vol. 810., Registrované v: WOS

11. [1.1] BAGNASCHI, E. - BAHL, H. - FUCHS, E. - HAHN, T. - HEINEMEYER, S. - LIEBLER, S. - PATEL, S. - SLAVICH, P. - STEFANIAK, T. - WAGNER, C.E.M. - WEIGLEIN, G. MSSM Higgs boson searches at the LHC: benchmark scenarios for Run 2 and beyond. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 20 2019, vol. 79, no. 7., Registrované v: WOS

12. [1.1] BAHL, H. - LIEBLER, S. - STEFANIAK, T. MSSM Higgs benchmark scenarios for Run 2 and beyond: the low tan region. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS

13. [1.1] BAHL, H. - SOBOLEV, I. - WEIGLEIN, G. Precise prediction for the mass of the light MSSM Higgs boson for the case of a heavy gluino. In PHYSICS LETTERS B. ISSN 0370-2693, SEP 10 2020, vol. 808., Registrované v: WOS

14. [1.1] BANERJEE, H. - ROY, S. Signatures of supersymmetry and a L-mu - L-tau gauge boson at Belle-II. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 25 2019, vol. 99, no. 3., Registrované v: WOS

15. [1.1] BARDUCCI, D. - FABBRICHESI, M. - GABRIELLI, E. Neutral hadrons disappearing into the darkness. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035049., Registrované v: WOS

16. [1.1] BHATTACHERJEE, B. - KHAN, N. - PATRA, A. Anatomy of heavy gauge bosons in a left-right supersymmetric model. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 10 2019, vol. 100, no. 7., Registrované v: WOS

17. [1.1] CARENA, Marcela - OSBORNE, James - SHAH, Nausheen R. - WAGNER, Carlos E. M. Supersymmetry and LHC missing energy signals. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115010., Registrované v: WOS

18. [1.1] CARENA, M. - OSBORNE, J. - SHAH, N.R. - WAGNER, C.E.M. Return of the WIMP: Missing energy signals and the Galactic Center excess. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 3 2019, vol. 100, no. 5., Registrované v: WOS
19. [1.1] COLLINS, J.H. - DEV, P.S.B. - SUI, Y.C. R-parity violating supersymmetric explanation of the anomalous events at ANITA. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 19 2019, vol. 99, no. 4., Registrované v: WOS
20. [1.1] COX, Peter - HAN, Chengcheng - YANAGIDA, Tsutomu T. Muon g-2 and dark matter in the minimal supersymmetric standard model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 055015., Registrované v: WOS
21. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
22. [1.1] CURTIN, D. - DESHPANDE, K. - FISCHER, O. - ZURITA, J. Closing the light gluino gap with electron-proton colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 12 2019, vol. 99, no. 5., Registrované v: WOS
23. [1.1] DE ROMERI, Valentina - PATEL, Ketan M. - VALLE, Jose W. F. Inverse seesaw mechanism with compact supersymmetry: Enhanced naturalness and light superpartners. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075014., Registrované v: WOS
24. [1.1] DEMIRCI, M. Associated production of Higgs boson with a photon at electron-positron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 2 2019, vol. 100, no. 7., Registrované v: WOS
25. [1.1] DIENES, K.R. - KIM, D. - SONG, H.Y. - SU, S.F. - THOMAS, B. - YAYLALI, D. Nonminimal dark sectors: Mediator-induced decay chains and multijet collider signatures. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 15 2020, vol. 101, no. 7., Registrované v: WOS
26. [1.1] DOMINGO, F. - KIM, J.S. - LOZANO, V.M. - MARTIN-RAMIRO, P. - DE AUSTRI, R.R. Confronting the neutralino and chargino sector of the NMSSM with the multilepton searches at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 8 2020, vol. 101, no. 7., Registrované v: WOS
27. [1.1] DUDAS, E. - GHERGHETTA, T. - KANETA, K. - MAMBRINI, Y. - OLIVE, K.A. Limits on R-parity violation in high-scale supersymmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 7 2019, vol. 100, no. 3., Registrované v: WOS
28. [1.1] DUTTA, J. - MUKHOPADHYAYA, B. - RAI, S.K. Identifying a Higgsino-like NLSP in the context of a keV-scale gravitino LSP. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 22 2020, vol. 101, no. 7., Registrované v: WOS
29. [1.1] EL HEDRI, S. - NORDSTROM, K. Whac-a-constraint with anomaly-free dark matter models. In SCIPOST PHYSICS. ISSN 2542-4653, FEB 2019, vol. 6, no. 2., Registrované v: WOS
30. [1.1] ELAHI, F. - NAJAFABADI, M.M. Neutron decay to a non-Abelian dark sector. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 11 2020, vol. 102, no. 3., Registrované v: WOS
31. [1.1] ELLIS, J. - EVANS, L. - NAGATA, N. - OLIVE, K.A. -

- VELASCO-SEVILLA, L. Supersymmetric proton decay revisited. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, APR 21 2020, vol. 80, no. 4., Registrované v: WOS
32. [1.1] ELLIS, J. - GARCIA, M.A.G. - NAGATA, N. - NANOPOULOS, D.V. - OLIVE, K.A. - VERNER, S. Building models of inflation in no-scale supergravity. In INTERNATIONAL JOURNAL OF MODERN PHYSICS D. ISSN 0218-2718, DEC 2020, vol. 29, no. 16., Registrované v: WOS
33. [1.1] EVANS, Jason L. - KADOTA, Kenji - KUWAHARA, Takumi. Revisiting flavor and CP violation in supersymmetric SU(5) with right-handed neutrinos. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075030., Registrované v: WOS
34. [1.1] EVANS, J.L. - NAGATA, N. - OLIVE, K.A. A minimal SU(5) SuperGUT in pure gravity mediation. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 11 2019, vol. 79, no. 6., Registrované v: WOS
35. [1.1] FRANK, M. - HICYILMAZ, Y. - MORETTI, S. - OZDAL, O. Leptophobic Z' bosons in the secluded UMSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 21 2020, vol. 102, no. 11., Registrované v: WOS
36. [1.1] FUKS, B. - NORDSTROM, K. - RUIZ, R. - WILLIAMSON, S.L. Sleptons without hadrons. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 11 2019, vol. 100, no. 7., Registrované v: WOS
37. [1.1] GARCIA, M.A.G. - KANETA, K. - MAMBRINI, Y. - OLIVE, K.A. Reheating and post-inflationary production of dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 8 2020, vol. 101, no. 12., Registrované v: WOS
38. [1.1] GHERGHETTA, T. - KERSTEN, J. - OLIVE, K. - POSPELOV, M. Evaluating the price of tiny kinetic mixing. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 1 2019, vol. 100, no. 9., Registrované v: WOS
39. [1.1] GOERTZ, F. - TAME-NARVAEZ, K. - TENORTH, V.T. Di-jet/e(+)e(-) + MET to probe Z(2)-odd mediators to the dark sector. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 2019, vol. 79, no. 10., Registrované v: WOS
40. [1.1] HAN, T. - ISMAIL, A. - HAGHI, B.S.E. SUSY signals from QCD production at the upgraded LHC. In PHYSICS LETTERS B. ISSN 0370-2693, JUN 10 2019, vol. 793, p. 354-359., Registrované v: WOS
41. [1.1] HELO, J.C. - HIRSCH, M. - OTA, T. Proton decay at one loop. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 20 2019, vol. 99, no. 9., Registrované v: WOS
42. [1.1] CHAKRABORTY, S. - ROY, T.S. Radiatively generated source of flavor universal scalar soft masses. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 20 2019, vol. 100, no. 3., Registrované v: WOS
43. [1.1] CHATTERJEE, S. - DAS, A. - SAMUI, T. - SEN, M. Mixed WIMP-axion dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 31 2019, vol. 100, no. 11., Registrované v: WOS
44. [1.1] IBE, M. - SUZUKI, M. - YANAGIDA, T.T. - YOKOZAKI, N. Muon g-2 in Split-Family SUSY in light of LHC run II. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 14 2019, vol. 79, no. 8., Registrované v: WOS
45. [1.1] KEITH, C. - HOOPER, D. - BLINOV, N. - MCDERMOTT, S.D. Constraints on primordial black holes from big bang nucleosynthesis

revisited. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 12 2020, vol. 102, no. 10., Registrované v: WOS

46. [1.1] KIM, J.S. - KRAUSS, M.E. - LOZANO, V.M. - STAUB, F. Illuminating stealth scenarios at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 25 2020, vol. 101, no. 3., Registrované v: WOS

47. [1.1] LEONARDI, R. - PANELLA, O. - ROMEO, F. - GURROLA, A. - SUN, H. - XUE, S.S. Phenomenology at the LHC of composite particles from strongly interacting Standard Model fermions via four-fermion operators of NJL type. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, APR 8 2020, vol. 80, no. 4., Registrované v: WOS

48. [1.1] LEONTARIS, G.K. - VERGADOS, J.D. $n(n)$ -oscillations and the neutron lifetime. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 4 2019, vol. 99, no. 1., Registrované v: WOS

49. [1.1] LI, J.M. - LI, T.J. - ZHANG, W.X. Least constrained supersymmetry with R-parity violation. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 14 2019, vol. 99, no. 3., Registrované v: WOS

50. [1.1] MUKHOPADHYAYA, B. First an idol, then an outcast: both for wrong reasons?. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 21, SI, p. 3143-3158., Registrované v: WOS

51. [1.1] SMARANDA, D.D. - MILLER, D.J. Scherk-Schwarz orbifolds at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS

52. [1.1] TRAN, H.M. - NGUYEN, H.T. GUT-inspired MSSM in light of muon $g-2$ and LHC results at $\sqrt{s}=13$ TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 26 2019, vol. 99, no. 3., Registrované v: WOS

ADCA1068 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in $\sqrt{s}=7$ TeV proton-proton collisions. In *Physics Letters B*, 2011, vol. 701, no. 2, p. 186-203. (2010: 5.255 - IF, Q1 - JCR, 3.103 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] DIENES, Keith R. - SU, Shufang - THOMAS, Brooks. Beyond the Bump-Hunt: A Game Plan for Discovering Dynamical Dark Matter at the LHC. In CETUP 2015 WORKSHOP ON DARK MATTER, NEUTRINO PHYSICS AND ASTROPHYSICS & PPC 2015 IXTH INTERNATIONAL CONFERENCE ON INTERCONNECTIONS BETWEEN PARTICLE PHYSICS AND COSMOLOGY. ISSN 0094-243X, 2016, vol. 1743, art. no. 020013., Registrované v: WOS

2. [1.1] LIEW, Seng Pei - PAPUCCI, Michele - VICHI, Alessandro - ZUREK, Kathryu M. Mono-X versus direct searches: simplified models for dark matter at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 6, art. no. 082., Registrované v: WOS

3. [1.1] MARZOLA, Luca - URBAN, Federico R. Ultra High Energy Cosmic Rays & Super-heavy Dark Matter Observables and prospect of (non)detection. In ASTROPARTICLE PHYSICS. ISSN 0927-6505, 2017, vol. 93, pp. 56-69., Registrované v: WOS

4. [1.1] PAUL, T. - BANERJEE, N. Cosmological quantum entanglement: a possible testbed for the existence of Kalb-Ramond field. In CLASSICAL AND QUANTUM GRAVITY. ISSN 0264-9381, JUL 9 2020, vol. 37, no. 13., Registrované v: WOS
5. [1.1] Search for New Phenomena in Events with Large Jet Multiplicities. In HIGH JET MULTIPLICITY PHYSICS AT THE LHC. ISSN 2190-5053, 2016, pp. 43-101., Registrované v: WOS

ADCA1069 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in root s=7 TeV proton-proton collisions. In *Physics Letters B*, 2012, vol. 710, no. 1, p. 67-85. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2012.02.051>

Ohlasy:

1. [1.1] BAER, Howard - BARGER, Vernon - SAVOY, Michael. Upper bounds on sparticle masses from naturalness or how to disprove weak scale supersymmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 035016., Registrované v: WOS
2. [1.1] BERGGREN, M. - CAKIR, A. - KRUECKER, D. - LIST, J. - MELZER-PELLMANN, I.A. - SAMANI, B. Safarzadeh - SEITZ, C. - WAYAND, S. Non-simplified SUSY: (tau)over-tilde-coannihilation at LHC and ILC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, art. no. 183., Registrované v: WOS
3. [1.1] BOFFITO, Daria C. - PATIENCE, Christian A. - PATIENCE, Paul A. - BERTRAND, Francois - PATIENCE, Gregory S. How do you write and present research well? 8 Assign authorship according to intellectual involvement. In CANADIAN JOURNAL OF CHEMICAL ENGINEERING. ISSN 0008-4034, 2016, vol. 94, no. 6, pp. 1127-1134., Registrované v: WOS
4. [1.1] BRENDLINGER, Kurt. Electron Identification. In PHYSICS WITH ELECTRONS IN THE ATLAS DETECTOR. ISSN 2190-5053, 2018, pp. 53-99., Registrované v: WOS
5. [1.1] CLEARY, Kevin F. - TERNING, John. A light stop with a heavy glino: enlarging the stop gap. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 151., Registrované v: WOS
6. [1.1] DUMONT, Beranger. Interpreting LHC Searches for New Physics. In HIGGS, SUPERSYMMETRY AND DARK MATTER AFTER RUN I OF THE LHC. ISSN 2190-5053, 2017, pp. 153-253., Registrované v: WOS
7. [1.1] DU, X.K. - LIU, G.L. - WANG, F. - WANG, W.Y. - YANG, J.M. - ZHANG, Y. NMSSM with generalized deflected mirage mediation. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 9 2019, vol. 79, no. 5., Registrované v: WOS
8. [1.1] LI, Z. - WANG, F. Type-II neutrino seesaw mechanism extension of NMSSM from SUSY breaking mechanisms. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 31 2020, vol. 80, no. 8., Registrované v: WOS
9. [1.1] MAYES, Van E. - LUTZ, Andrew W. Light Higgsino dark matter in the MSSM on D-branes. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 9, art. no.

095006., Registrované v: WOS

10. [1.1] MCCOY, C. D. - MASSIMI, Michela. Simplified models: a different perspective on models as mediators. In EUROPEAN JOURNAL FOR PHILOSOPHY OF SCIENCE. ISSN 1879-4912, 2018, vol. 8, no. 1, pp. 99-123., Registrované v: WOS

11. [1.1] WANG, Fei - WANG, Wenyu - YANG, Jin Min - ZHANG, Yang. Heavy colored SUSY partners from deflected anomaly mediation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 7, art. no. 138., Registrované v: WOS

12. [1.1] WANG, Fei - WANG, Wenyu - YANG, Jin Min. Reconcile muon g-2 anomaly with LHC data in SUGRA with generalized gravity mediation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 079., Registrované v: WOS

13. [1.1] WANG, Fei - WANG, Wenyu - YANG, Jin Min. A split SUSY model from SUSY GUT. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 3, art. no. 050., Registrované v: WOS

14. [1.1] WANG, Fei - YANG, Jin Min - ZHANG, Yang. Radiative natural SUSY spectrum from deflected AMSB scenario with messenger-matter interactions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 177., Registrované v: WOS

15. [1.1] WANG, Fei. Deflected anomaly mediated SUSY breaking scenario with general messenger-matter interactions. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 751, pp. 402-407., Registrované v: WOS

ADCA1070 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using 4:7 fb(-1) of root s=7 TeV proton-proton collision data. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2013, vol. 87, no. 1, art. no. 012008. (2012: 4.691 - IF, Q1 - JCR, 2.725 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.87.012008>

Ohlasy:

1. [1.1] AJAIB, M. Adeel - GOGOLADZE, Ilia - SHAFI, Qaisar. GUT-inspired supersymmetric model for h> gamma gamma and the muon g-2. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. UNSP 095005., Registrované v: WOS

2. [1.1] ALLANACH, Ben C. Multiple solutions in supersymmetry and the Higgs. In PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-503X, 2015, vol. 373, no. 2032, art. no. 20140035., Registrované v: WOS

3. [1.1] BAE, Kyu Jung - BAER, Howard - NAGATA, Natsumi - SERCE, Hasan. Prospects for Higgs coupling measurements in SUSY with radiatively-driven naturalness. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 3, art. no. 035006., Registrované v: WOS

4. [1.1] BAE, Kyu Jung - BAER, Howard - SERCE, Hasan. Natural little hierarchy for SUSY from radiative breaking of the Peccei-Quinn symmetry. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 015003., Registrované v: WOS

5. [1.1] BERGGREN, M. - CAKIR, A. - KRUECKER, D. - LIST, J. - MELZER-PELLMANN, I.A. - SAMANI, B. Safarzadeh - SEITZ, C. - WAYAND, S. Non-simplified SUSY: (tau)over-tilde-coannihilation at LHC and ILC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, art. no. 183., Registrované v: WOS
6. [1.1] BLUEMER, Johannes. Searching Dark Matter: The Quest for the Missing Mass. In PRODUCTION YIELD OF MUON-INDUCED NEUTRONS IN LEAD: MEASURED AT THE MODANE UNDERGROUND LABORATORY. ISSN 2190-5053, 2015, pp. 9-75., Registrované v: WOS
7. [1.1] BOUCENNA, Sofiane M. - FONSECA, Renato M. - GONZALEZ-CANALES, Felix - VALLE, Jose W. F. Small neutrino masses and gauge coupling unification. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 031702., Registrované v: WOS
8. [1.1] DUTTA, Bhaskar - LI, Tianjun - MAXIN, James A. - NANOPOULOS, Dimitri V. - SINHA, Kuver - WALKER, Joel W. Third generation in cascade decays. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 115021., Registrované v: WOS
9. [1.1] DU, X.K. - LIU, G.L. - WANG, F. - WANG, W.Y. - YANG, J.M. - ZHANG, Y. NMSSM with generalized deflected mirage mediation. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 9 2019, vol. 79, no. 5., Registrované v: WOS
10. [1.1] ESPINOSA, Jose R. - FORTIN, Jean-Francois - TREPANIER, Maxime. Consistency of scalar potentials from quantum de Sitter space. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 12, art. no. 124067., Registrované v: WOS
11. [1.1] FUKUYAMA, Takeshi - ASAH, Koichiro. Filling the gaps between model predictions and their prerequisites in electric dipole moments. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 14-15, art. no. 1650082., Registrované v: WOS
12. [1.1] HUSSAIN, Mureed - KHALID, Rizwan. Understanding the muon anomalous magnetic moment in light of a flavor symmetry-based Minimal Supersymmetric Standard Model. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2018, no. 8, art. no. 083B06., Registrované v: WOS
13. [1.1] HUSSAIN, M. - HUSSAIN, R. Yukawa unification with light supersymmetric particles consistent with LHC constraints. In NUCLEAR PHYSICS B. ISSN 0550-3213, MAY 2019, vol. 942, p. 30-44., Registrované v: WOS
14. [1.1] LI, Z. - WANG, F. Type-II neutrino seesaw mechanism extension of NMSSM from SUSY breaking mechanisms. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 31 2020, vol. 80, no. 8., Registrované v: WOS
15. [1.1] MAYES, Van E. - LUTZ, Andrew W. Light Higgsino dark matter in the MSSM on D-branes. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 9, art. no. 095006., Registrované v: WOS
16. [1.1] QUDDUS, A. - PANOTOPOULOS, G. - KUMAR, B. - AHMAD, S. - PATRA, S.K. GW170817 constraints on the properties of a neutron star in the presence of WIMP dark matter. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, SEP 2020, vol.

47, no. 9., Registrované v: WOS

17. [1.1] UN, Cem Salih - TANYILDIZI, Sukru Hanif - KERMAN, Saime - SOLMAZ, Levent. Generalized soft breaking leverage for the MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 10, art. no. 105033., Registrované v: WOS

18. [1.1] WANG, Fei. Deflected anomaly mediated SUSY breaking scenario with general messenger-matter interactions. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 751, pp. 402-407., Registrované v: WOS

19. [1.1] ZWANE, Nosiphiwo. Long-lived particle searches in R-parity violating MSSM. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 10, art. no. 105003., Registrované v: WOS

ADCA1071 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using root s=8 TeV proton-proton collision data. In *Journal of High Energy Physics*, 2014, vol. 2014, no. 9, art. no. 176. (2013: 6.220 - IF, Q1 - JCR, 1.173 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP09\(2014\)176](https://doi.org/10.1007/JHEP09(2014)176)

Ohlasy:

1. [1.1] ABDULLAH, Mohammad - FENG, Jonathan L. Reviving bino dark matter with vectorlike fourth generation particles. In PHYSICAL REVIEW D. ISSN 1550-7998, 2016, vol. 93, no. 1, art. no. 015006., Registrované v: WOS

2. [1.1] AEBISCHER, Jason - CRIVELLIN, Andreas - GREUB, Christoph. One-loop SQCD corrections to the decay of top squarks to charm and neutralino in the generic MSSM. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 035010., Registrované v: WOS

3. [1.1] AJAIB, M. Adeel - DUTTA, Bhaskar - GHOSH, Tathagata - GOGOLADZE, Ilia - SHAFI, Qaisar. Neutralinos and sleptons at the LHC in light of muon (g-2)(mu). In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 075033., Registrované v: WOS

4. [1.1] ALTMANNSHOFER, Wolfgang - FOX, Patrick J. - HARNIK, Roni - KRIBS, Graham D. - RAJ, Nirmal. Dark matter signals in dilepton production at hadron colliders. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 115006., Registrované v: WOS

5. [1.1] AMBROGI, Federico - KRAML, Sabine - KULKARNI, Suchita - LAA, Ursula - LESSA, Andre - WALTENBERGER, Wolfgang. On the coverage of the pMSSM by simplified model results. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 215., Registrované v: WOS

6. [1.1] BAER, Howard - BARGER, Vernon - SAVOY, Mike. Supergravity gauge theories strike back: there is no crisis for SUSY but a new collider may be required for discovery. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 6, art. no. 068003., Registrované v: WOS

7. [1.1] BAER, Howard - BARGER, Vernon - HUANG, Peisi - MICKELSON, Dan - PADEFFKE-KIRKLAND, Maren - TATA, Xerxes. Natural SUSY with a bino- or wino-like LSP. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 7, art. no. 075005., Registrované v: WOS

8. [1.1] BAER, Howard - BARGER, Vernon - SERCE, Hasan. SUSY

under siege from direct and indirect WIMP detection experiments. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 176., Registrované v: WOS

9. [1.1] BAER, Howard - BARGER, Vernon - SAVOY, Michael. Generalized focus point and mass spectra comparison of highly natural SUGRA GUT models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075001., Registrované v: WOS

10. [1.1] BARDHAN, Debjyoti - BHATTACHARYYA, Gautam - GHOSH, Diptimoy - PATRA, Monalisa - RAYCHAUDHURI, Sreerup. Detailed analysis of flavor-changing decays of top quarks as a probe of new physics at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015026., Registrované v: WOS

11. [1.1] BARDUCCI, D. - BELANGER, G. - BERNON, J. - BOUDJEMA, F. - DA SILVA, J. - KRAML, S. - LAA, U. - PUKHOV, A. Collider limits on new physics within micrOMEGAs_4.3. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 222, pp. 327-338., Registrované v: WOS

12. [1.1] BAUER, Martin - BUTTER, Anja - DESAI, Nishita - GONZALEZ-FRAILE, J. - PLEHN, Tilman. Validity of dark matter effective theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075036., Registrované v: WOS

13. [1.1] BERTUZZO, Enrico - FRUGIUELE, Claudia. Natural SM-like 126 GeV Higgs boson via nondecoupling D terms. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 035019., Registrované v: WOS

14. [1.1] BEURIA, Jyotiranjana - DATA, Asesh Krishna - DEBNATH, Dipsikha - MATCHEV, Konstantin T. LHC collider phenomenology of minimal universal extra dimensions. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 226, pp. 187-205., Registrované v: WOS

15. [1.1] BHATTACHARYA, Bhuvanajyoti - LONDON, David - CLINE, James M. - DATTA, Alakabha - DUPUIS, Grace. Quark-flavored scalar dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 115012., Registrované v: WOS

16. [1.1] BHATTACHERJEE, Biplob - CHAKRABORTY, Amit - CHOUDHURY, Arghya. Status of the MSSM Higgs sector using global analysis and direct search bounds, and future prospects at the High Luminosity LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 093007., Registrované v: WOS

17. [1.1] BIEKOETTER, Anke - HEWETT, JoAnne L. - KIM, Jong Soo - KRAEMER, Michael - RIZZO, Thomas G. - ROLBIECKI, Krzysztof - TATTERSALL, Jamie - WEBER, Torsten. Complementarity of resonant scalar, vector-like quark and superpartner searches in elucidating new phenomena. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 5, art. no. 1750032., Registrované v: WOS

18. [1.1] BLANKE, Monika - KAST, Simon. Top-flavoured dark matter in Dark Minimal Flavour Violation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 5, art. no. 162., Registrované v: WOS

19. [1.1] BLUM, Kfir - EFRATI, Aielet - FRUGIUELE, Claudia - NIR, Yosef. Exotic colored scalars at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 2, art. no. 104., Registrované v: WOS

20. [1.1] BOLTON, P.D. - DEPPISCH, F.F. Probing nonstandard lepton

- number violating interactions in neutrino oscillations. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 10 2019, vol. 99, no. 11., Registrované v: WOS
21. [1.1] BRAX, Philippe - BURRAGE, Clare - ENGLERT, Christoph - SPANNOVSKY, Michael. LHC signatures of scalar dark energy. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 8, art. no. 084054., Registrované v: WOS
22. [1.1] BRINGMANN, Torsten - GALEA, Ahmad J. - WALIA, Parampreet. Leading QCD corrections for indirect dark matter searches: A fresh look. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 4, art. no. 043529., Registrované v: WOS
23. [1.1] CARPENTER, Linda M. - COLBURN, Russell - GOODMAN, Jessica. Supersoft SUSY models and the 750 GeV diphoton excess, beyond effective operators. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015016., Registrované v: WOS
24. [1.1] COHEN, Timothy - LISANTI, Mariangela - LOU, Hou Keong. Semivisible Jets: Dark Matter Undercover at the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 17, art. no. 171804., Registrované v: WOS
25. [1.1] COLLINS, Jack H. - DROR, Jeff Asaf - FARINA, Marco. Mixed stops and the ATLAS on-Z excess. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095022., Registrované v: WOS
26. [1.1] DE LA PUENTE, Alejandro - SZYNKMAN, Alejandro. Long-lived colored scalars at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 3, art. no. 124., Registrované v: WOS
27. [1.1] DERCKS, Daniel - DESAI, Nishita - KIM, Jong Soo - ROLBIECKI, Krzysztof - TATTERSALL, Jamie - WEBER, Torsten. CheckMATE 2: From the model to the limit. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2017, vol. 221, pp. 383-418., Registrované v: WOS
28. [1.1] DERCKS, Daniel - DREINER, Herbi - KRAUSS, Manuel E. - OPFERKUCH, Toby - REINERT, Annika. R-parity violation at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 856., Registrované v: WOS
29. [1.1] DERCKS, Daniel - MOORTGAT-PICK, Gudrid - REUTER, Juergen - SHIM, So Young. The fate of the littlest Higgs model with T-parity under 13 TeV LHC data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 049., Registrované v: WOS
30. [1.1] DEUTSCHMANN, Nicolas - FLACKE, Thomas - KIM, Jong Soo. Current LHC constraints on minimal universal extra dimensions. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 771, pp. 515-520., Registrované v: WOS
31. [1.1] DIAMANTI, Roberta - CABRERA CATALAN, Maria Eugenia - ANDO, Shin'ichiro. Dark matter protohalos in a nine parameter MSSM and implications for direct and indirect detection. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 6, art. no. 065029., Registrované v: WOS
32. [1.1] DING, Ran - LI, Tianjun - STAUB, Florian - TIAN, Chi - ZHU, Bin. Supersymmetric standard models with a pseudo-Dirac gluino from hybrid F- and D-term supersymmetry breaking. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 015008., Registrované v: WOS
33. [1.1] DUDAS, Emilian - GHERGHETTA, Tony - MAMBRINI, Yann

- OLIVE, Keith A. Inflation and high-scale supersymmetry with an EeV gravitino. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 115032., Registrované v: WOS
- 34. [1.1] DU, Guangle - LI, Tianjun - NANOPOULOS, D. V. - RAZA, Shabbar. Supernatural MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 2, art. no. 025038., Registrované v: WOS
- 35. [1.1] ELLIS, John - EVANS, Jason L. - LUO, Feng - NAGATA, Natsumi - OLIVE, Keith A. - SANDICK, Pearl. Beyond the CMSSM without an accelerator: proton decay and direct dark matter detection. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 1, art. no. 8., Registrované v: WOS
- 36. [1.1] ELLIS, J. - GOMEZ, M.E. - LOLA, S. - DE AUSTRI, R.R. - SHAFI, Q. Confronting grand unification with lepton flavour violation, dark matter and LHC data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 30 2020, no. 9., Registrované v: WOS
- 37. [1.1] ELLIS, Sebastian A. R. - GHERGHETTA, Tony - KANETA, Kunio - OLIVE, Keith A. New weak-scale physics from SO(10) with high-scale supersymmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 055009., Registrované v: WOS
- 38. [1.1] EVANS, Jason L. - IBE, Masahiro - OLIVE, Keith A. - YANAGIDA, Tsutomu T. Light Higgsinos in pure gravity mediation. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055008., Registrované v: WOS
- 39. [1.1] EVANS, Jason L. - NAGATA, Natsumi. Signatures of leptoquarks at the LHC and right-handed neutrinos. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 1, art. no. 015022., Registrované v: WOS
- 40. [1.1] EVANS, Jason L. - NAGATA, Natsumi - OLIVE, Keith A. c SU(5) grand unification in pure gravity mediation. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055027., Registrované v: WOS
- 41. [1.1] EVERETT, Lisa L. - GARON, Todd - KAUFMAN, Bryan L. - NELSON, Brent D. Mirage models confront the LHC. III. Deflected mirage mediation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055031., Registrované v: WOS
- 42. [1.1] FLOREZ, Andres - BRAVO, Luis - GURROLA, Alfredo - AVILA, Carlos - SEGURA, Manuel - SHELDON, Paul - JOHNS, Will. Probing the stau-neutralino coannihilation region at the LHC with a soft tau lepton and a jet from initial state radiation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 073007., Registrované v: WOS
- 43. [1.1] GOMEZ, Mario E. - LOLA, Smaragda - DE AUSTRI, Roberto Ruiz - SHAFI, Qaisar. Confronting SUSY GUT With Dark Matter, Sparticle Spectroscopy and Muon ($g-2$). In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2018, vol. 6, art. no. 127., Registrované v: WOS
- 44. [1.1] GOMEZ, M. E. - LOLA, S. - RUIZ DE AUSTRI, R. - SHAFI, Q. Dark matter, sparticle spectroscopy and muon ($g-2$) in SU(4)(c) x SU(2)(L) x SU(2)(R). In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 062., Registrované v: WOS
- 45. [1.1] GROEBER, Ramona - MUEHLLEITNER, Margarete - POPENDA, Eva - WLOTZKA, Alexander. Light stop decays into $Wb(\chi)\overline{t}(1)(0)$ near the kinematic threshold. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 144-151., Registrované v: WOS

46. [1.1] HAMADA, Yuta - KAWAI, Hikaru - KAWANA, Kiyoharu - TSUMURA, Koji. Models of the LHC diphoton excesses valid up to the Planck scale. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 014007., Registrované v: WOS
47. [1.1] HAMAGUCHI, Koichi - LIEW, Seng Pei. Models of a 750 GeV quarkonium and the LHC excesses. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035012., Registrované v: WOS
48. [1.1] HAN, Chengcheng - PARK, Myeonghun. Revealing the jet substructure in a compressed spectrum of new physics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 011502., Registrované v: WOS
49. [1.1] HARIGAYA, Keisuke - YANAGIDA, Tsutomu T. - YOKOZAKI, Norimi. Muon g-2 in focus point SUSY. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 035011., Registrované v: WOS
50. [1.1] HENNING, Brian - KEHAYIAS, John - MURAYAMA, Hitoshi - PINNER, David - YANAGIDA, Tsutomu T. A keV string axion from high scale supersymmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 4, art. no. 045036., Registrované v: WOS
51. [1.1] HISANO, Junji - KURAMOTO, Wataru - KUWAHARA, Takumi. Light stops, heavy Higgs, and heavy gluinos in supersymmetric standard models with extra matters. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2017, no. 3, art. no. 033B10., Registrované v: WOS
52. [1.1] HUANG, Peisi - WAGNER, Carlos E. M. CMS kinematic edge from sbottoms. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 015014., Registrované v: WOS
53. [1.1] CHAKDAR, Shreyashi - GHOSH, Kirtiman - NANDI, S. Superworld without supersymmetry. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 754, pp. 162-166., Registrované v: WOS
54. [1.1] CHAKDAR, Shreyashi - GHOSH, K. - HOANG, V. - HUNG, P. Q. - NANDI, S. Search for mirror quarks at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 035007., Registrované v: WOS
55. [1.1] CHAKRABORTY, Amit - CHAKRABORTY, Sabyasachi - ROY, Tuhin S. Chasing new physics in stacks of soft tracks. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 111703., Registrované v: WOS
56. [1.1] CHATTERJEE, Arindam - CHAKRABARTY, Nabarun - MUKHOPADHYAYA, Biswarup. Same-sign trileptons as a signal of sneutrino lightest supersymmetric particle. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 754, pp. 14-17., Registrované v: WOS
57. [1.1] CHENG, Taoli - LI, Jinmian - LI, Tianjun. Supersymmetry with a heavy lightest supersymmetric particle. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 6, art. no. 065004., Registrované v: WOS
58. [1.1] CHOUBEY, Sandhya - KHAN, Sarif - MITRA, Manimala - MONDAL, Subhadeep. Singlet-triplet fermionic dark matter and LHC phenomenology. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 302., Registrované v: WOS
59. [1.1] CHOUDHURY, Arghya - KOWALSKA, Kamila - ROSZKOWSKI, Leszek - SESSOLO, Enrico Maria - WILLIAMS, Andrew J.

Blind Spots for Direct Detection with Simplified DM Models and the LHC. In UNIVERSE. ISSN 2218-1997, 2017, vol. 3, no. 2, art. no. 41., Registrované v: WOS

60. [1.1] IGUAZ, F. J. - GARZA, J. G. - AZNAR, F. - CASTEL, J. F. - CEBRIAN, S. - DAFNI, T. - GARCIA, J. A. - IRASTORZA, I. G. - LAGRABA, A. - LUZON, G. - PEIRO, A. TREX-DM: a low-background Micromegas-based TPC for low-mass WIMP detection. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76., Registrované v: WOS

61. [1.1] KATS, Yevgeny. Measuring polarization of light quarks at ATLAS and CMS. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 071503., Registrované v: WOS

62. [1.1] KAUFMAN, Bryan - NATH, Pran - NELSON, Brent D. - SPISAK, Andrew B. Light stops and observation of supersymmetry at LHC run II. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095021., Registrované v: WOS

63. [1.1] KELSO, Chris - KUMAR, Jason - SANDICK, Pearl - STENGEL, Patrick. Charged mediators in dark matter scattering with nuclei and the strangeness content of nucleons. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055028., Registrované v: WOS

64. [1.1] KIM, Doyoun - KYAE, Bumseok. Naturalness-guided gluino mass bound from the minimal mixed mediation of SUSY breaking. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 075025., Registrované v: WOS

65. [1.1] KIM, Jong Soo - SCHMEIER, Daniel - TATTERSALL, Jamie. Role of the 'N' in the natural NMSSM for the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055018., Registrované v: WOS

66. [1.1] KIM, J. S. - ROLBIECKI, K. - RUIZ, R. - TATTERSALL, J. - WEBER, T. Prospects for natural SUSY. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 095013., Registrované v: WOS

67. [1.1] KOBAKHIDZE, Archil - LIU, Ning - WU, Lei - YANG, Jin Min. ATLAS Z-peaked excess in the MSSM with a light sbottom or stop. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 075008., Registrované v: WOS

68. [1.1] KOUDA, Yusaku - KON, Tadashi - KURIHARA, Yoshimasa - ISHIKAWA, Tadashi - JIMBO, Masato - KATO, Kiyoshi - KURODA, Masaaki. One loop effects of natural SUSY in third generation fermion production at the ILC. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2017, no. 5, art. no. 053B02., Registrované v: WOS

69. [1.1] KUMAR, Jason - SANDICK, Pearl - TENG, Fei - YAMAMOTO, Takahiro. Gamma-ray signals from dark matter annihilation via charged mediators. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015022., Registrované v: WOS

70. [1.1] KYAE, Bumseok. Shifted focus point of the Higgs mass parameter from the minimal mixed mediation of supersymmetry breaking. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 015027., Registrované v: WOS

71. [1.1] LIEW, Seng Pei - MARIOTTI, Alberto - MAWATARI, Kentarou - SAKURAI, Kazuki - VEREECKEN, Matthias. Z-peaked excess in goldstini scenarios. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 750, pp. 539-546., Registrované v: WOS

72. [1.1] LIEW, Seng Pei - PAPUCCI, Michele - VICHI, Alessandro - ZUREK, Kathryu M. Mono-X versus direct searches: simplified models for dark matter at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 6, art. no. 082., Registrované v: WOS
73. [1.1] LI, Jinmian - WILLIAMS, Anthony G. Tau reconstruction methods at an electron-positron collider in the search for new physics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075019., Registrované v: WOS
74. [1.1] LI, Tianjun - RAZA, Shabbar. Electroweak supersymmetry from the generalized minimal supergravity model in the MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 5, art. no. 055016., Registrované v: WOS
75. [1.1] MATSUMOTO, Shigeki - MUKHOPADHYAY, Satyanarayan - TSAI, Yue-Lin Sming. Effective theory of WIMP dark matter supplemented by simplified models: Singlet-like Majorana fermion case. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 6, art. no. 065034., Registrované v: WOS
76. [1.1] MORETTI, Stefano - O'BRIEN, Dermot - PANIZZU, Luca - PRAGER, Hugo. Production of extra quarks at the Large Hadron Collider beyond the narrow width approximation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075035., Registrované v: WOS
77. [1.1] SCHMITZ, Kai - YANAGIDA, Tsutomu T. Dynamical supersymmetry breaking and late-time R symmetry breaking as the origin of cosmic inflation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 074021., Registrované v: WOS
78. [1.1] SILCOX, M.T. - GUNNELL, G.F. - BLOCH, J.I. Cranial anatomy of *Microsyops annectens* (Microsyopidae, Euarchonta, Mammalia) from the middle Eocene of Northwestern Wyoming. In JOURNAL OF PALEONTOLOGY. ISSN 0022-3360, SEP 2020, vol. 94, no. 5, p. 979-1006., Registrované v: WOS
79. [1.1] STENGEL, Patrick - TATA, Xerxes. Same-sign Higgsino production at the CERN LHC: How not to hunt for natural supersymmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 11, art. no. 115024., Registrované v: WOS
80. [1.1] TATA, Xerxes. Supersymmetry: aspirations and prospects. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 10, art. no. 108001., Registrované v: WOS

ADCA1072 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for stable hadronising squarks and gluinos with the ATLAS experiment at the LHC. In *Physics Letters B*, 2011, vol. 701, no. 1, p. 1-19. (2010: 5.255 - IF, Q1 - JCR, 3.103 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] BUESO, D. - PILES, M. - CAMPS-VALLS, G. Explicit Granger causality in kernel Hilbert spaces. In PHYSICAL REVIEW E. ISSN 2470-0045, DEC 2 2020, vol. 102, no. 6., Registrované v: WOS
2. [1.1] CARPENTER, L.M. - MURPHY, T. - SMYLLIE, M.J. Exploring color-octet scalar parameter space in minimal R-symmetric models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 9 2020, no.

11., Registrované v: WOS

3. [1.1] COSTANTINI, Antonio. Strong Sector in non-minimal SUSY model. In QCD@WORK 2016 INTERNATIONAL WORKSHOP ON QUANTUM CHROMODYNAMICS THEORY AND EXPERIMENT. ISSN 2100-014X, 2016, vol. 129, art. no. UNSP 00010., Registrované v: WOS

4. [1.1] FERRARI, S. - HAMBYE, T. - HEECK, J. - TYTGAT, M.H.G. SO(10) paths to dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 25 2019, vol. 99, no. 5., Registrované v: WOS

5. [1.1] MERAFINA, M. - SATURNI, F.G. - CURCEANU, C. - DEL GRANDE, R. - PISCICCHIA, K. Self-gravitating strange dark matter halos around galaxies. In PHYSICAL REVIEW D. ISSN 1550-7998, OCT 15 2020, vol. 102, no. 8., Registrované v: WOS

6. [1.1] PATTON, H. - NACHMAN, B. The optimal use of silicon pixel charge information for particle identification. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, JAN 1 2019, vol. 913, p. 91-96., Registrované v: WOS

ADCA1073 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABELOOS, B. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for strong gravity in multijet final states produced in pp collisions at root s=13 TeV using the ATLAS detector at the LHC. In *Journal of High Energy Physics*, 2016, vol. 2016, no. 3, art. no. 026. (2015: 6.023 - IF, Q1 - JCR, 1.343 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP03\(2016\)026](https://doi.org/10.1007/JHEP03(2016)026)

Ohlasy:

1. [1.1] CSAKI, Csaba - MA, Teng - SHU, Jing. Trigonometric Parity for Composite Higgs Models. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 23, art. no. 231801-, Registrované v: WOS

2. [1.1] GHOSH, K. - KARABACAK, D. - NANDI, S. Universal Extra Dimension models with gravity mediated decays after LHC Run II data. In PHYSICS LETTERS B. ISSN 0370-2693, JAN 10 2019, vol. 788, p. 388-395., Registrované v: WOS

3. [1.1] LOPEZ-OSORIO, M.A. - MARTINEZ-PASCUAL, E. - NAPOLES-CANEDO, G.I. - TOSCANO, J.J. One-Loop order effects from one extra universal dimension on lambda(4) theory. In JOURNAL OF PHYSICS COMMUNICATIONS. ISSN 2399-6528, NOV 2020, vol. 4, no. 11., Registrované v: WOS

4. [1.1] MARTINEZ-PASCUAL, E. - NAPOLES-CANEDO, G. - NOVALES-SANCHEZ, H. - SIERRA-MARTINEZ, A. - TOSCANO, J.J. Implications of extra dimensions on the effective charge and the beta function in quantum electrodynamics. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 25 2020, vol. 101, no. 3., Registrované v: WOS

5. [1.1] SAKAKI, Y. Quark jet rates and quark-gluon discrimination in multijet final states. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 18 2019, vol. 99, no. 11., Registrované v: WOS

ADCA1074 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for strong

gravity signatures in same-sign dimuon final states using the ATLAS detector at the LHC (ATLAS Collaboration). In *Physics Letters B*, 2012, vol. 709, no. 4-5, p. 322-340. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] BUSTAMANTE, M. - CONNOLLY, A. Extracting the Energy-Dependent Neutrino-Nucleon Cross Section above 10 TeV Using IceCube Showers. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, JAN 28 2019, vol. 122, no. 4., Registrované v: WOS

ADCA1075 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for strong production of supersymmetric particles in final states with missing transverse momentum and at least three b-jets at root s=8 TeV proton-proton collisions with the ATLAS detector. In *Journal of High Energy Physics*, 2014, vol. 2014, no. 10, art. no. 024. (2013: 6.220 - IF, Q1 - JCR, 1.173 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP10\(2014\)024](https://doi.org/10.1007/JHEP10(2014)024)

Ohlasy:

1. [1.1] ALTUNKAYNAK, Baris - BAER, Howard - BARGER, Vernon - HUANG, Peisi. Distinguishing LSP archetypes via gluino pair production at LHC13. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 035015., Registrované v: WOS
2. [1.1] AMBROGI, Federico - KRAML, Sabine - KULKARNI, Suchita - LAA, Ursula - LESSA, Andre - WALTENBERGER, Wolfgang. On the coverage of the pMSSM by simplified model results. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 215., Registrované v: WOS
3. [1.1] ATHRON, P. - HARRIES, D. - WILLIAMS, A. G. Z ' mass limits and the naturalness of supersymmetry. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 115024., Registrované v: WOS
4. [1.1] DERCKS, Daniel - DREINER, Herbi - KRAUSS, Manuel E. - OPFERKUCH, Toby - REINERT, Annika. R-parity violation at the LHC. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 856., Registrované v: WOS
5. [1.1] DERCKS, Daniel - MOORTGAT-PICK, Gudrid - REUTER, Juergen - SHIM, So Young. The fate of the littlest Higgs model with T-parity under 13 TeV LHC data. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2018, no. 5, art. no. 049., Registrované v: WOS
6. [1.1] DIAMANTI, Roberta - CABRERA CATALAN, Maria Eugenia - ANDO, Shin'ichiro. Dark matter protohalos in a nine parameter MSSM and implications for direct and indirect detection. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 6, art. no. 065029., Registrované v: WOS
7. [1.1] EVERETT, Lisa L. - GARON, Todd - KAUFMAN, Bryan L. - NELSON, Brent D. Mirage models confront the LHC. III. Deflected mirage mediation. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055031., Registrované v: WOS
8. [1.1] GOGOLADZE, Ilia - MUSTAFAYEV, Azar - SHAFI, Qaisar - UN, Cem Salih. Yukawa unification and sparticle spectroscopy in gauge mediation models. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 91,

- no. 9, art. no. 096005., Registrované v: WOS
9. [1.1] GOGOLADZE, Ilia - SHAFI, Qaisar - UN, Cem Salih. Reconciling the muon $g-2$, a 125 GeV Higgs boson, and dark matter in gauge mediation models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 115014., Registrované v: WOS
10. [1.1] HIKASA, Ken-ichi - LI, Jinmian - WU, Lei - YANG, Jin Min. Single top squark production as a probe of natural supersymmetry at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 035003., Registrované v: WOS
11. [1.1] HUANG, Peisi - WAGNER, Carlos E. M. CMS kinematic edge from sbottoms. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 015014., Registrované v: WOS
12. [1.1] KAWAMURA, Junichiro - OMURA, Yuji. Constraints on nonuniversal gaugino mass scenario using the latest LHC data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055019., Registrované v: WOS
13. [1.1] KIM, J. S. - ROLBIECKI, K. - RUIZ, R. - TATTERSALL, J. - WEBER, T. Prospects for natural SUSY. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 095013., Registrované v: WOS
14. [1.1] KOBAKHIDZE, Archil - LIU, Ning - WU, Lei - YANG, Jin Min. ATLAS Z-peaked excess in the MSSM with a light sbottom or stop. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 075008., Registrované v: WOS
15. [1.1] OTSUKA, Hajime. Moduli stabilization to a natural MSSM with gravitino dark matter and inflation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 4, art. no. 045001., Registrované v: WOS

ADCA1076 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABELOOS, B. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for supersymmetry at $\sqrt{s}=13$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. In *European Physical Journal C*, 2016, vol. 76, no. 5, art. no. 259. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4095-8>

Ohlasy:

1. [1.1] AGASHE, K. - COLLINS, J.H. - DU, P.Z. - HONG, S. - KIM, D. - MISHRA, R.K. Dedicated strategies for triboson signals from cascade decays of vector resonances. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 15 2019, vol. 99, no. 7., Registrované v: WOS
2. [1.1] ALCAIDE, Julien - CHALA, Mikael - SANTAMARIA, Arcadi. LHC signals of radiatively-induced neutrino masses and implications for the Zee-Babu model. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 779, pp. 107-116., Registrované v: WOS
3. [1.1] ALVAREZ, Ezequiel - FAROUGHY, Darius A. - KAMENIK, Jernej F. - MORALES, Roberto - SZYNKMAN, Alejandro. Four tops for LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 915, pp. 19-43., Registrované v: WOS
4. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. - MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of

- heavy Higgs bosons decaying invisibly at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS
5. [1.1] BARMAN, Rahool Kumar - BELANGER, Genevieve - BHATTACHERJEE, Biplob - GODBOLE, Rohini - MENDIRATTA, Gaurav - SENGUPTA, Dipan. Invisible decay of the Higgs boson in the context of a thermal and nonthermal relic in MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095018., Registrované v: WOS
 6. [1.1] BELYAEV, Alexander S. - FLACKE, Thomas - JAIN, Bithika - SCHAEFERS, Patrick B. LHC dark matter signals from vector resonances and top partners. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035019., Registrované v: WOS
 7. [1.1] BIEKOETTER, Anke - HEWETT, JoAnne L. - KIM, Jong Soo - KRAEMER, Michael - RIZZO, Thomas G. - ROLBIECKI, Krzysztof - TATTERSALL, Jamie) - WEBER, Torsten. Complementarity of resonant scalar, vector-like quark and superpartner searches in elucidating new phenomena. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 5, art. no. 1750032., Registrované v: WOS
 8. [1.1] DAS, Debottam - GHOSH, Kirtiman - MITRA, Manimala - MONDAL, Subhadeep. Probing sterile neutrinos in the framework of inverse seesaw mechanism through leptoquark productions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 015024., Registrované v: WOS
 9. [1.1] DAS, Dipankar - LOPEZ-IBANEZ, M. L. - JAY PEREZ, M. - VIVES, Oscar. Effective theories of flavor and the nonuniversal MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035001., Registrované v: WOS
 10. [1.1] DERCKS, Daniel - DESAI, Nishita - KIM, Jong Soo - ROLBIECKI, Krzysztof - TATTERSALL, Jamie - WEBER, Torsten. CheckMATE 2: From the model to the limit. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2017, vol. 221, pp. 383-418., Registrované v: WOS
 11. [1.1] DERCKS, D. - ROBENS, T. Constraining the Inert Doublet Model using Vector Boson Fusion. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
 12. [1.1] GHOSH, Pradipta - LARA, Inaki - LOPEZ-FOGLIANI, Daniel E. - MUNOZ, Carlos - DE AUSTRI, Roberto Ruiz. Searching for left sneutrino LSP at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 18-19, art. no. 1850110., Registrované v: WOS
 13. [1.1] CHOUDHURY, Arghya - MONDAL, Subhadeep. Revisiting the exclusion limits from direct chargino-neutralino production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055024., Registrované v: WOS
 14. [1.1] CHOWDHURY, Debtosh - PATEL, Ketan M. - TATA, Xerxes - VEMPATI, Sudhir K. Indirect searches of the degenerate MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075025., Registrované v: WOS
 15. [1.1] KOBAKHIDZE, Archil - TALIA, Matthew - WU, Lei. Probing the MSSM explanation of the muon g-2 anomaly in dark matter experiments and at a 100 TeV pp collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055023., Registrované v: WOS

16. [1.1] KOHDA, Masaya - MODAK, Tanmoy - HOU, Wei-Shu. Searching for new scalar bosons via triple-top signature in $cg > tS(0) > tt(t)\text{over-bar}$. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 776, pp. 379-384., Registrované v: WOS
17. [1.1] KOTLARSKI, Wojciech. Scalar color octets and triplets in the SUSY with R-symmetry. In FIFTH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES. ISSN 1742-6588, 2017, vol. 873, art. no. UNSP 012043., Registrované v: WOS

ADCA1077 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for supersymmetry at root $\sqrt{s}=8$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. In *Journal of High Energy Physics*, 2014, vol. 2014, no. 6, art. no. 035. (2013: 6.220 - IF, Q1 - JCR, 1.173 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP06\(2014\)035](https://doi.org/10.1007/JHEP06(2014)035)

Ohlasy:

1. [1.1] AMBROGI, Federico - KRAML, Sabine - KULKARNI, Suchita - LAA, Ursula - LESSA, Andre - WALTENBERGER, Wolfgang. On the coverage of the pMSSM by simplified model results. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 215., Registrované v: WOS
2. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. - MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of heavy Higgs bosons decaying invisibly at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS
3. [1.1] BARDHAN, Debjyoti - BHATTACHARYYA, Gautam - GHOSH, Diptimoy - PATRA, Monalisa - RAYCHAUDHURI, Sreerup. Detailed analysis of flavor-changing decays of top quarks as a probe of new physics at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015026., Registrované v: WOS
4. [1.1] DAS, Debottam - GHOSH, Kirtiman - MITRA, Manimala - MONDAL, Subhadeep. Probing sterile neutrinos in the framework of inverse seesaw mechanism through leptoquark productions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 015024., Registrované v: WOS
5. [1.1] DERCKS, Daniel - DESAI, Nishita - KIM, Jong Soo - ROLBIECKI, Krzysztof - TATTERSALL, Jamie - WEBER, Torsten. CheckMATE 2: From the model to the limit. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2017, vol. 221, pp. 383-418., Registrované v: WOS
6. [1.1] DERCKS, Daniel - DREINER, Herbi - KRAUSS, Manuel E. - OPFERKUCH, Toby - REINERT, Annika. R-parity violation at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 856., Registrované v: WOS
7. [1.1] DEUTSCHMANN, Nicolas - FLACKE, Thomas - KIM, Jong Soo. Current LHC constraints on minimal universal extra dimensions. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 771, pp. 515-520., Registrované v: WOS
8. [1.1] DUTTA, Bhaskar - LI, Tianjun - MAXIN, James A. - NANOPOULOS, Dimitri V. - SINHA, Kuver - WALKER, Joel W. Third

- generation in cascade decays. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 115021., Registrované v: WOS
9. [1.1] FLOREZ, Andres - BRAVO, Luis - GURROLA, Alfredo - AVILA, Carlos - SEGURA, Manuel - SHELDON, Paul - JOHNS, Will. Probing the stau-neutralino coannihilation region at the LHC with a soft tau lepton and a jet from initial state radiation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 073007., Registrované v: WOS
10. [1.1] KIM, Jong Soo - KRAUSS, Manuel E. - LOZANO, Victor Martin. Probing the electroweakino sector of general gauge mediation at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 150-157., Registrované v: WOS
11. [1.1] KIM, Jong Soo - SCHMEIER, Daniel - TATTERSALL, Jamie. Role of the 'N' in the natural NMSSM for the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055018., Registrované v: WOS
12. [1.1] MARZOLA, Luca - URBAN, Federico R. Ultra High Energy Cosmic Rays & Super-heavy Dark Matter Observables and prospect of (non)detection. In ASTROPARTICLE PHYSICS. ISSN 0927-6505, 2017, vol. 93, pp. 56-69., Registrované v: WOS

ADCA1078 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for supersymmetry in a final state containing two photons and missing transverse momentum in root $s = 13$ TeV pp collisions at the LHC using the ATLAS detector. In *European Physical Journal C*, 2016, vol. 76, no. 9, art. no. 517. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4344-x>

Ohlasy:

1. [1.1] BERNAL, Nicolas - HEIKINHEIMO, Matti - TENKANEN, Tommi - TUOMINEN, Kimmo - VASKONEN, Ville. The dawn of FIMP Dark Matter: A review of models and constraints. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 27, art. no. 1730023., Registrované v: WOS
2. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
3. [1.1] GHOSH, Pradipta - LARA, Inaki - LOPEZ-FOGLIANI, Daniel E. - MUNOZ, Carlos - DE AUSTRI, Roberto Ruiz. Searching for left sneutrino LSP at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 18-19, art. no. 1850110., Registrované v: WOS
4. [1.1] HUANG, Peisi - JOGLEKAR, Aniket - LI, Min - WAGNER, Carlos E. M. Corrections to di-Higgs boson production with light stops and modified Higgs couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075001., Registrované v: WOS
5. [1.1] CHOWDHURY, Debtosh - PATEL, Ketan M. - TATA, Xerxes - VEMPATI, Sudhir K. Indirect searches of the degenerate MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075025., Registrované v: WOS
6. [1.1] KIM, Jong Soo - KRAUSS, Manuel E. - LOZANO, Victor

Martin. Probing the electroweakino sector of general gauge mediation at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 150-157., Registrované v: WOS

7. [1.1] KIM, J.S. - KRAUSS, M.E. - LOZANO, V.M. - STAUB, F. Illuminating stealth scenarios at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 25 2020, vol. 101, no. 3., Registrované v: WOS

8. [1.1] LU, Xiaochuan - SHIRAI, Satoshi. Low-scale gauge mediation after LHC Run 2. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 784, pp. 237-247., Registrované v: WOS

ADCA1079 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in root s=8TeV pp collisions with the ATLAS detector. In *European Physical Journal C*, 2015, vol. 75, no. 7, art. no. 318. (2014: 5.084 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-015-3518-2>

Ohlasy:

1. [1.1] ARBUZOV, Boris A. - ZAITSEV, Ivan V. Upgraded LHC experiments as a check of non-perturbative effects of the Electro-Weak Interaction. In 19TH INTERNATIONAL SEMINAR ON HIGH ENERGY PHYSICS (QUARKS-2016). ISSN 2100-014X, 2016, vol. 125, art. no. UNSP 02002., Registrované v: WOS

2. [1.1] BEURIA, Jyotiranjana - DATA, AseshKrishna - DEBNATH, Dipsikha - MATCHEV, Konstantin T. LHC collider phenomenology of minimal universal extra dimensions. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 226, pp. 187-205., Registrované v: WOS

3. [1.1] BIEKOETTER, Anke - HEWETT, JoAnne L. - KIM, Jong Soo - KRAEMER, Michael - RIZZO, Thomas G. - ROLBIECKI, Krzysztof - TATTERSALL, Jamie) - WEBER, Torsten. Complementarity of resonant scalar, vector-like quark and superpartner searches in elucidating new phenomena. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 5, art. no. 1750032., Registrované v: WOS

4. [1.1] CAHILL-ROWLEY, M. - HEWETT, J. L. - ISMAIL, A. - RIZZO, T. G. ATLAS Z plus missing transverse energy excess in the MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 075029., Registrované v: WOS

5. [1.1] COLLINS, Jack H. - DROR, Jeff Asaf - FARINA, Marco. Mixed stops and the ATLAS on-Z excess. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095022., Registrované v: WOS

6. [1.1] DE VRIES, Jordy - DREINER, Herbi K. - SCHMEIER, Daniel. R-parity violation and light neutralinos at SHiP and the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035006., Registrované v: WOS

7. [1.1] DERCKS, Daniel - DESAI, Nishita - KIM, Jong Soo - ROLBIECKI, Krzysztof - TATTERSALL, Jamie - WEBER, Torsten. CheckMATE 2: From the model to the limit. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2017, vol. 221, pp. 383-418., Registrované v: WOS

8. [1.1] DERCKS, Daniel - MOORTGAT-PICK, Gudrid - REUTER, Juergen - SHIM, So Young. The fate of the littlest Higgs model with T-parity under 13 TeV LHC data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 049., Registrované v: WOS
9. [1.1] DERCKS, D. - DE VRIES, J. - DREINER, H.K. - WANG, Z.S. R-parity violation and light neutralinos at CODEX-b, FASER, and MATHUSLA. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 27 2019, vol. 99, no. 5., Registrované v: WOS
10. [1.1] FLOREZ, Andres - BRAVO, Luis - GURROLA, Alfredo - AVILA, Carlos - SEGURA, Manuel - SHELDON, Paul - JOHNS, Will. Probing the stau-neutralino coannihilation region at the LHC with a soft tau lepton and a jet from initial state radiation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 073007., Registrované v: WOS
11. [1.1] HIKASA, Ken-ichi - LI, Jinmian - WU, Lei - YANG, Jin Min. Single top squark production as a probe of natural supersymmetry at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 035003., Registrované v: WOS
12. [1.1] CHATTERJEE, Arindam - DUTTA, Juhi - RAI, Santosh Kumar. Natural SUSY at LHC with right-sneutrino LSP. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 042., Registrované v: WOS
13. [1.1] CHOUDHURY, Arghya - MONDAL, Subhadeep. Revisiting the exclusion limits from direct chargino-neutralino production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055024., Registrované v: WOS
14. [1.1] KOBAKHIDZE, Archil - LIU, Ning - WU, Lei - YANG, Jin Min. ATLAS Z-peaked excess in the MSSM with a light sbottom or stop. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 075008., Registrované v: WOS
15. [1.1] LIEW, Seng Pei - MARIOTTI, Alberto - MAWATARI, Kentarou - SAKURAI, Kazuki - VEREECKEN, Matthias. Z-peaked excess in goldstini scenarios. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 750, pp. 539-546., Registrované v: WOS
16. [1.1] MA, Ernest - RESTREPO, Diego - ZAPATA, Oscar. Anomalous leptonic U(1) symmetry: Syndetic origin of the QCD axion, weak-scale dark matter, and radiative neutrino mass. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2018, vol. 33, no. 3, art. no. 1850024., Registrované v: WOS
17. [1.1] PENG, Jen-Chieh - QIU, Jian-Wei. The Drell-Yan Process. In UNIVERSE-TAIPEI. ISSN 2309-852X, 2016, vol. 4, no. 3, pp. 34-44., Registrované v: WOS

ADCA1080 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for supersymmetry in events with b-tagged jets and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2017, no. 11, art. no. 195. (2016: 6.063 - IF, Q1 - JCR, 1.163 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP11\(2017\)195](https://doi.org/10.1007/JHEP11(2017)195)

Ohlasy:

1. [1.1] ALVAREZ, E. - SZEWC, M. Nonresonant leptoquark with multigeneration couplings for $\mu\mu jj$ and $\mu\nu jj$ at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 9 2019, vol. 99, no. 9., Registrované v: WOS
2. [1.1] BAGNASCHI, E. - BAHL, H. - FUCHS, E. - HAHN, T. - HEINEMEYER, S. - LIEBLER, S. - PATEL, S. - SLAVICH, P. - STEFANIAK, T. - WAGNER, C.E.M. - WEIGLEIN, G. MSSM Higgs boson searches at the LHC: benchmark scenarios for Run 2 and beyond. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 20 2019, vol. 79, no. 7., Registrované v: WOS
3. [1.1] COLUCCI, Stefano - FUKS, Benjamin - GIACCHINO, Federica - HONOREZ, Laura Lopez - TYTGAT, Michel H. G. - VANDECASTEELE, Jerome. Top-philic vectorlike portal to scalar dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035002., Registrované v: WOS
4. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
5. [1.1] GHOSH, D.K. - HUITU, K. - MONDAL, S. - MITRA, M. Same-sign trilepton signal for stop quark in the presence of sneutrino dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, APR 15 2019, vol. 99, no. 7., Registrované v: WOS
6. [1.1] PENNING, Bjoern. The pursuit of dark matter at colliders-an overview. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 6, art. no. 063001., Registrované v: WOS
7. [1.1] RIZZO, T.G. Kinetic mixing and portal matter phenomenology. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 18 2019, vol. 99, no. 11., Registrované v: WOS
8. [1.1] SMARANDA, D.D. - MILLER, D.J. Scherk-Schwarz orbifolds at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS
9. [1.1] TANG, T.P. - LIU, N. - ZHOU, H. Mono-b events from single stop production at the HL-LHC and HE-LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, JUL 2020, vol. 956., Registrované v: WOS
10. [1.1] TANG, T.P. - ZHOU, H. - LIU, N. Probing single stop production at the FCC-hh/SPPC. In NUCLEAR PHYSICS B. ISSN 0550-3213, OCT 2020, vol. 959., Registrované v: WOS

ADCA1081 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for Supersymmetry in Events with Three Leptons and Missing Transverse Momentum in $\sqrt{s}=7$ TeV pp Collisions with the ATLAS Detector. In *Physical Review Letters*, 2012, vol. 108, no. 26, art. no. 261804. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.108.261804>

Ohlasy:

1. [1.1] EGANA-UGRINOVIC, Daniel - LOW, Matthew - RUDERMAN, Joshua T. Charged fermions below 100 GeV. In JOURNAL OF

- ADCA1082 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for supersymmetry in events with four or more leptons in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2014, vol. 90, no. 5, art. no. 052001. (2013: 4.864 - IF, Q1 - JCR, 2.482 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.90.052001>
- Ohlasy:
1. [1.1] AMBROGI, Federico - KRAML, Sabine - KULKARNI, Suchita - LAA, Ursula - LESSA, Andre - WALTENBERGER, Wolfgang. On the coverage of the pMSSM by simplified model results. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 215., Registrované v: WOS
 2. [1.1] BARDHAN, Debjyoti - BHATTACHARYYA, Gautam - GHOSH, Diptimoy - PATRA, Monalisa - RAYCHAUDHURI, Sreerup. Detailed analysis of flavor-changing decays of top quarks as a probe of new physics at the LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015026., Registrované v: WOS
 3. [1.1] BERGGREN, M. - CAKIR, A. - KRUECKER, D. - LIST, J. - MELZER-PELLMANN, I.A. - SAMANI, B. Safarzadeh - SEITZ, C. - WAYAND, S. Non-simplified SUSY: (tau)over-tilde-coannihilation at LHC and ILC. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2016, vol. 76, no. 4, art. no. 183., Registrované v: WOS
 4. [1.1] BIONDINI, S. - PANELLA, O. Exotic leptons at future linear colliders. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 015023., Registrované v: WOS
 5. [1.1] COLLINS, J.H. - DEV, P.S.B. - SUI, Y.C. R-parity violating supersymmetric explanation of the anomalous events at ANITA. In *PHYSICAL REVIEW D*. ISSN 2470-0010, FEB 19 2019, vol. 99, no. 4., Registrované v: WOS
 6. [1.1] DERCKS, Daniel - DREINER, Herbi - KRAUSS, Manuel E. - OPFERKUCH, Toby - REINERT, Annika. R-parity violation at the LHC. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 856., Registrované v: WOS
 7. [1.1] FRANCESCHINI, Roberto. Status of LHC Searches for SUSY without R-Parity. In *ADVANCES IN HIGH ENERGY PHYSICS*. ISSN 1687-7357, 2015, art. no. 581038., Registrované v: WOS
 8. [1.1] FRASER, Sean - KOWNACKI, Corey - MA, Ernest - POPOV, Oleg. Type II radiative seesaw model of neutrino mass with dark matter. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 013021., Registrované v: WOS
 9. [1.1] GHOSH, Pradipta - LARA, Inaki - LOPEZ-FOGLIANI, Daniel E. - MUNOZ, Carlos - DE AUSTRI, Roberto Ruiz. Searching for left sneutrino LSP at the LHC. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2018, vol. 33, no. 18-19, art. no. 1850110., Registrované v: WOS
 10. [1.1] GUO, Shu-Yuan - HAN, Zhi-Long - LIAO, Yi. Testing the type

II radiative seesaw model: From dark matter detection to LHC signatures. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 115014., Registrované v: WOS

11. [1.1] CHENG, Taoli - LI, Jinmian - LI, Tianjun. Supersymmetry with a heavy lightest supersymmetric particle. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 6, art. no. 065004., Registrované v: WOS

12. [1.1] KUMAR, Nilanjana - MARTIN, Stephen P. Vectorlike leptons at the Large Hadron Collider. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 115018., Registrované v: WOS

13. [1.1] LARA, I. - LOPEZ-FOGLIANI, D.E. - MUNOZ, C. Electroweak superpartners scrutinized at the LHC in events with multi-leptons. In PHYSICS LETTERS B. ISSN 0370-2693, MAR 10 2019, vol. 790, p. 176-183., Registrované v: WOS

ADCA1083 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 20 fb(-1) of root s=8 TeV proton-proton collision data with the ATLAS detector. In *Journal of High Energy Physics*, 2014, no. 9, art. no. 103. (2013: 6.220 - IF, Q1 - JCR, 1.173 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP09\(2014\)103](https://doi.org/10.1007/JHEP09(2014)103)

Ohlasy:

1. [1.1] AMBROGI, Federico - KRAML, Sabine - KULKARNI, Suchita - LAA, Ursula - LESSA, Andre - WALTENBERGER, Wolfgang. On the coverage of the pMSSM by simplified model results. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 103., Registrované v: WOS

2. [1.1] COOKMEYER, J. - GRIN, D. - SMITH, T.L. How sound are our ultralight axion approximations?. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 2 2020, vol. 101, no. 2., Registrované v: WOS

3. [1.1] FRANZOSI, Diogo Buarque - FRANDSEN, Mads T. - SHOEMAKER, Ian M. New or no missing energy: Discriminating dark matter from neutrino interactions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 095001., Registrované v: WOS

4. [1.1] GOGOLADZE, Ilia - MUSTAFAYEV, Azar - SHAFI, Qaisar - UN, Cem Salih. Yukawa unification and sparticle spectroscopy in gauge mediation models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 096005., Registrované v: WOS

5. [1.1] GOGOLADZE, Ilia - SHAFI, Qaisar - UN, Cem Salih. Reconciling the muon g-2, a 125 GeV Higgs boson, and dark matter in gauge mediation models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 115014., Registrované v: WOS

ADCA1084 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for supersymmetry in events with four or more leptons in root s=13 TeV pp collisions with ATLAS. In *Physical Review D*, 2018, vol. 98, no. 3, art. no. 032009. (2017: 4.394 - IF, Q1 - JCR, 1.801 - SJR, Q1 - SJR, Current

Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.
Dostupné na: <https://doi.org/10.1103/PhysRevD.98.032009>

Ohlasy:

1. [1.1] AYZAZI, S.Y. - MOHAMADNEJAD, A. Scale-invariant two-component dark matter. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 15 2019, vol. 79, no. 2., Registrované v: WOS
2. [1.1] BAHL, H. - LIEBLER, S. - STEFANIAK, T. MSSM Higgs benchmark scenarios for Run 2 and beyond: the low tan region. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS
3. [1.1] BLANCE, A. - CHALA, M. - RAMOS, M. - SPANNOVSKY, M. Novel B-decay signatures of light scalars at high energy facilities. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 6 2019, vol. 100, no. 11., Registrované v: WOS
4. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
5. [1.1] DUTTA, J. - MUKHOPADHYAYA, B. - RAI, S.K. Identifying a Higgsino-like NLSP in the context of a keV-scale gravitino LSP. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 22 2020, vol. 101, no. 7., Registrované v: WOS
6. [1.1] FIASCHI, J. - KLASSEN, M. Neutralino-chargino pair production at NLO plus NLL with resummation-improved parton density functions for LHC Run II. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 055014., Registrované v: WOS
7. [1.1] FIASCHI, J. - KLASSEN, M. Higgsino and gaugino pair production at the LHC with aNNLO plus NNLL precision. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 20 2020, vol. 102, no. 9., Registrované v: WOS
8. [1.1] FUKS, B. - NORDSTROM, K. - RUIZ, R. - WILLIAMSON, S.L. Sleptons without hadrons. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 11 2019, vol. 100, no. 7., Registrované v: WOS
9. [1.1] LARA, I. - LOPEZ-FOGLIANI, D.E. - MUNOZ, C. Electroweak superpartners scrutinized at the LHC in events with multi-leptons. In PHYSICS LETTERS B. ISSN 0370-2693, MAR 10 2019, vol. 790, p. 176-183., Registrované v: WOS
10. [1.1] PAKTINAT, S. - REZAEI, Z. The LHC Drell-Yan measurements as a constraint for the noncommutative space-time. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, OCT 2019, vol. 46, no. 10., Registrované v: WOS
11. [1.1] PYARELAL, A. - SU, S.F. Higgs assisted razor search for Higgsinos at a 100 TeV pp collider. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, APR 17 2020, vol. 63, no. 10., Registrované v: WOS
12. [1.1] SMARANDA, D.D. - MILLER, D.J. Scherk-Schwarz orbifolds at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS
13. [1.1] YANASE, K. - YOSHINAGA, N. - HIGASHIYAMA, K. - YAMANAKA, N. Electric dipole moment of Hg-199 atom from P, CP-odd

electron-nucleon interaction. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 16 2019, vol. 99, no. 7., Registrované v: WOS

ADCA1085 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for supersymmetry in final states with jets, missing transverse momentum and one isolated lepton in root s=7 TeV pp collisions using 1 fb(-1) of ATLAS data. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2012, vol. 85, no. 1, art. no. 012006. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Ohlasy:

1. [1.1] BLUEMER, Johannes. Searching Dark Matter: The Quest for the Missing Mass. In PRODUCTION YIELD OF MUON-INDUCED NEUTRONS IN LEAD: MEASURED AT THE MODANE UNDERGROUND LABORATORY. ISSN 2190-5053, 2015, pp. 9-75., Registrované v: WOS

ADCA1086 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 fb(-1) of root s = 13 TeV pp collision data with the ATLAS detector. In *Journal of High Energy Physics*, 2017, no. 9, art. no. 084. (2016: 6.063 - IF, Q1 - JCR, 1.163 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP09\(2017\)084](https://doi.org/10.1007/JHEP09(2017)084)

Ohlasy:

1. [1.1] AGASHE, K. - COLLINS, J.H. - DU, P.Z. - HONG, S. - KIM, D. - MISHRA, R.K. Dedicated strategies for triboson signals from cascade decays of vector resonances. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 15 2019, vol. 99, no. 7., Registrované v: WOS

2. [1.1] ALMEIDA, E.D. - EBOLI, O.J.P. - GONZALEZ-GARCIA, M.C. Unitarity constraints on anomalous quartic couplings. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 26 2020, vol. 101, no. 11., Registrované v: WOS

3. [1.1] ARI, V. - GURKANLI, E. - GUTIERREZ-RODRIGUEZ, A. - HERNANDEI-RUIR, M.A. - KOKSAL, M. Anomalous quartic W+W- gamma gamma couplings in e(-) p collisions at the LHeC and the FCC-he. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, MAR 30 2020, vol. 135, no. 3., Registrované v: WOS

4. [1.1] BADZIAK, M. - DESAI, N. - HUGONIE, C. - ZIEGLER, R. Extended gauge mediation in the NMSSM with displaced LHC signals. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 28 2019, vol. 79, no. 1., Registrované v: WOS

5. [1.1] BAGNASCHI, E. - BAHL, H. - FUCHS, E. - HAHN, T. - HEINEMEYER, S. - LIEBLER, S. - PATEL, S. - SLAVICH, P. - STEFANIAK, T. - WAGNER, C.E.M. - WEIGLEIN, G. MSSM Higgs boson searches at the LHC: benchmark scenarios for Run 2 and beyond. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 20 2019, vol. 79, no. 7., Registrované v: WOS

6. [1.1] BAHL, H. - LIEBLER, S. - STEFANIAK, T. MSSM Higgs

- benchmark scenarios for Run 2 and beyond: the low $\tan\beta$ region. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS
7. [1.1] BERNAL, N. - RESTREPO, D. - YAGUNA, C.E. - ZAPATA, O. Two-component dark matter and a massless neutrino in a new B - L model. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 30 2019, vol. 99, no. 1., Registrované v: WOS
8. [1.1] COLUCCI, Stefano - FUKS, Benjamin - GIACCHINO, Federica - HONOREZ, Laura Lopez - TYTGAT, Michel H. G. - VANDECASTEELE, Jerome. Top-philic vectorlike portal to scalar dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035002., Registrované v: WOS
9. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
10. [1.1] DAS, Debottam - GHOSH, Kirtiman - MITRA, Manimala - MONDAL, Subhadeep. Probing sterile neutrinos in the framework of inverse seesaw mechanism through leptoquark productions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 015024., Registrované v: WOS
11. [1.1] DE ROMERI, Valentina - PATEL, Ketan M. - VALLE, Jose W. F. Inverse seesaw mechanism with compact supersymmetry: Enhanced naturalness and light superpartners. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075014., Registrované v: WOS
12. [1.1] FUKS, Benjamin - KLASSEN, Michael - SCHMIEMANN, Saskia - SUNDER, Marthijn. Realistic simplified gaugino-higgsino models in the MSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 209., Registrované v: WOS
13. [1.1] GHOSH, D.K. - HUITU, K. - MONDAL, S. - MITRA, M. Same-sign trilepton signal for stop quark in the presence of sneutrino dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, APR 15 2019, vol. 99, no. 7., Registrované v: WOS
14. [1.1] GURKANLI, E. - ARI, V. - GUTIERREZ-RODRIGUEZ, A. - HERNANDEZ-RUIZ, M.A. - KOKSAL, M. Sensitivity physics expected to the measurement of the quartic WW gamma gamma couplings at the LHeC and the FCC-he. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, SEP 2020, vol. 47, no. 9., Registrované v: WOS
15. [1.1] HAN, T. - ISMAIL, A. - HAGHI, B.S.E. SUSY signals from QCD production at the upgraded LHC. In PHYSICS LETTERS B. ISSN 0370-2693, JUN 10 2019, vol. 793, p. 354-359., Registrované v: WOS
16. [1.1] CHO, S. - KO, P. - LEE, J. - OMURA, Y. - YU, C. Top FCNC induced by a Z' boson. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 11 2020, vol. 101, no. 5., Registrované v: WOS
17. [1.1] LI, J.M. - LI, T.J. - ZHANG, W.X. Least constrained supersymmetry with R-parity violation. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 14 2019, vol. 99, no. 3., Registrované v: WOS
18. [1.1] LU, Xiaochuan - SHIRAI, Satoshi. Low-scale gauge mediation after LHC Run 2. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 784, pp. 237-247., Registrované v: WOS
19. [1.1] SMARANDA, D.D. - MILLER, D.J. Scherk-Schwarz orbifolds at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol.

100, no. 7., Registrované v: WOS

20. [1.1] TIZCHANG, S. - ETESAMI, S.M. Pinning down the gauge boson couplings in WW gamma production using forward proton tagging. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 27 2020, no. 7., Registrované v: WOS

ADCA1087 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for supersymmetry in final states with charm jets and missing transverse momentum in 13 TeV pp collisions with the ATLAS detector. In *Journal of High Energy Physics*, 2018, no. 9, art. no. 050. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP09\(2018\)050](https://doi.org/10.1007/JHEP09(2018)050)

Ohlasy:

1. [1.1] ABDUGHANI, M. - REN, J. - WU, L. - YANG, J.M. Probing stop pair production at the LHC with graph neural networks. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 9 2019, no. 8., Registrované v: WOS

2. [1.1] AYAZI, S.Y. - MOHAMADNEJAD, A. Conformal vector dark matter and strongly first-order electroweak phase transition. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 27 2019, no. 3., Registrované v: WOS

3. [1.1] DE BENEDETTI, R. - LI, T.J. - MAXIN, J.A. - NANOPOULOS, D.V. Naturalness in D-brane inspired models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 9 2019, no. 7., Registrované v: WOS

4. [1.1] DOMINGO, F. - KIM, J.S. - LOZANO, V.M. - MARTIN-RAMIRO, P. - DE AUSTRI, R.R. Confronting the neutralino and chargino sector of the NMSSM with the multilepton searches at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 8 2020, vol. 101, no. 7., Registrované v: WOS

5. [1.1] DUAN, G.H. - FAN, X. - HIKASA, K. - PENG, B. - YANG, J.M. Probing stops in the coannihilation region at the HL-LHC: A comparative study of different processes. In PHYSICS LETTERS B. ISSN 0370-2693, NOV 10 2020, vol. 810., Registrované v: WOS

6. [1.1] KECALI, A.S. - BANDYOPADHYAY, P. - HUITU, K. Long-lived triplinos and displaced lepton signals at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, APR 17 2019, vol. 79, no. 4., Registrované v: WOS

7. [1.1] KIM, J.E. - KYAE, B. A model of dynamical SUSY breaking. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2019, vol. 797., Registrované v: WOS

8. [1.1] LEONARDI, R. - PANELLA, O. - ROMEO, F. - GURROLA, A. - SUN, H. - XUE, S.S. Phenomenology at the LHC of composite particles from strongly interacting Standard Model fermions via four-fermion operators of NJL type. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, APR 8 2020, vol. 80, no. 4., Registrované v: WOS

9. [1.1] SMARANDA, D.D. - MILLER, D.J. Scherk-Schwarz orbifolds

at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS

ADCA1088 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for supersymmetry in final states with missing transverse momentum and multiple b-jets in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2018, no. 6, art. no. 107. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP06\(2018\)107](https://doi.org/10.1007/JHEP06(2018)107)

Ohlasy:

1. [1.1] AHMED, W. - MANSHA, A. - LI, T.J. - RAZA, S. - ROY, J. - XU, F.Z. The upper bounds on supersymmetry breaking scales in split supersymmetry from the Higgs mass and electroweak vacuum stability. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, APR 2020, vol. 2020, no. 4., Registrované v: WOS
2. [1.1] AYAZI, S.Y. - MOHAMADNEJAD, A. Scale-invariant two-component dark matter. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 15 2019, vol. 79, no. 2., Registrované v: WOS
3. [1.1] BARMAN, B. - BORAH, D. - MUKHERJEE, L. - NANDI, S. Correlating the anomalous results in $b \rightarrow s$ decays with inert Higgs doublet dark matter and the muon $g - 2$. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 5 2019, vol. 100, no. 11., Registrované v: WOS
4. [1.1] BUYUKDAG, Y. - GHERGHETTA, T. - MILLER, A.S. Predicting the superpartner spectrum from partially composite supersymmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 15 2019, vol. 99, no. 5., Registrované v: WOS
5. [1.1] CARENA, Marcela - OSBORNE, James - SHAH, Nausheen R. - WAGNER, Carlos E. M. Supersymmetry and LHC missing energy signals. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115010., Registrované v: WOS
6. [1.1] CARENA, M. - OSBORNE, J. - SHAH, N.R. - WAGNER, C.E.M. Return of the WIMP: Missing energy signals and the Galactic Center excess. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 3 2019, vol. 100, no. 5., Registrované v: WOS
7. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
8. [1.1] DE ROMERI, Valentina - PATEL, Ketan M. - VALLE, Jose W. F. Inverse seesaw mechanism with compact supersymmetry: Enhanced naturalness and light superpartners. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075014., Registrované v: WOS
9. [1.1] DUDAS, E. - GHERGHETTA, T. - KANETA, K. - MAMBRINI, Y. - OLIVE, K.A. Limits on R-parity violation in high-scale supersymmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 7 2019, vol. 100, no. 3., Registrované v: WOS
10. [1.1] DUDAS, E. - HEURTIER, L. - MAMBRINI, Y. - OLIVE, K.A. - PIERRE, M. Model of metastable EeV dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 22 2020, vol. 101, no. 11., Registrované v: WOS

11. [1.1] GARCIA, M.A.G. - KANETA, K. - MAMBRINI, Y. - OLIVE, K.A. Reheating and post-inflationary production of dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 8 2020, vol. 101, no. 12., Registrované v: WOS
12. [1.1] GHERGHETTA, T. - KERSTEN, J. - OLIVE, K. - POSPELOV, M. Evaluating the price of tiny kinetic mixing. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 1 2019, vol. 100, no. 9., Registrované v: WOS
13. [1.1] CHATTERJEE, S. - DAS, A. - SAMUI, T. - SEN, M. Mixed WIMP-axion dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 31 2019, vol. 100, no. 11., Registrované v: WOS
14. [1.1] SMARANDA, D.D. - MILLER, D.J. Scherk-Schwarz orbifolds at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS

ADCA1089 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for supersymmetry in pp collisions at root s=7 Te V in final states with missing transverse momentum and b-jets with the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2012, vol. 85, no. 11, art. no. 112006. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Ohlasy:

1. [1.1] BARTL, A. - EBERL, H. - GININA, E. - HIDAKA, K. - MAJEROTTO, W. $h(0) > c(c)\text{over-bar}$ as a test case for quark flavor violation in the MSSM. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 015007., Registrované v: WOS

ADCA1090 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for Supersymmetry Using Final States with One Lepton, Jets, and Missing Transverse Momentum with the ATLAS Detector in root s=7 TeV pp Collisions. In *Physical Review Letters*, 2011, vol. 106, no. 13, art. no. 131802. (2010: 7.622 - IF, Q1 - JCR, 6.450 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

1. [1.1] BASAR, Goekce - CHERMAN, Aleksey - MCGADY, David A. - YAMAZAKI, Masahito. Casimir Energy of Confining Large N Gauge Theories. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 25, art. no. 251604., Registrované v: WOS
2. [1.1] CHEN, Mu-Chun - RATZ, Michael - TAKHISTOV, Volodymyr. R parity violation from discrete R symmetries. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 891, pp. 322-345., Registrované v: WOS
3. [1.1] LIEW, Seng Pei - PAPUCCI, Michele - VICHI, Alessandro - ZUREK, Kathryu M. Mono-X versus direct searches: simplified models for dark matter at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 6, art. no. 082., Registrované v: WOS
4. [1.1] MARZOLA, Luca - URBAN, Federico R. Ultra High Energy Cosmic Rays & Super-heavy Dark Matter Observables and prospect of (non)detection. In ASTROPARTICLE PHYSICS. ISSN 0927-6505, 2017, vol.

93, pp. 56-69., Registrované v: WOS

5. [1.1] PAUL, T. - BANERJEE, N. Cosmological quantum entanglement: a possible testbed for the existence of Kalb-Ramond field. In CLASSICAL AND QUANTUM GRAVITY. ISSN 0264-9381, JUL 9 2020, vol. 37, no. 13., Registrované v: WOS

ADCA1091 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for s-channel single top-quark production in proton-proton collisions at root s=8 TeV with the ATLAS detector. In *Physics Letters B*, 2015, vol. 740, p. 118-136. (2014: 6.131 - IF, Q1 - JCR, 3.562 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2014.11.042>

Ohlasy:

1. [1.1] PORTER, Frank C. Experimental status of the CKM matrix. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 91, pp. 101-135., Registrované v: WOS
2. [1.1] ROMERO AGUILAR, R. - BOUZAS, Antonio O. - LARIOS, F. Limits on the anomalous Wtq couplings. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 114009., Registrované v: WOS
3. [1.1] SAHA, Pratishruti - KIERS, Ken - BHATTACHARYA, Bhubanjyoti - LONDON, David - SZYNKMAN, Alejandro - MELENDEZ, Jordan. Measuring CP-violating observables in rare top decays at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 054044., Registrované v: WOS
4. [1.1] SAHA, Pratishruti - KIERS, Ken - SZYNKMAN, Alejandro. Single-top production and rare top interactions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035003., Registrované v: WOS
5. [1.1] WAGNER-KUHR, Jeannine. EXPERIMENTAL STUDIES OF TOP QUARK PRODUCTION. In ACTA PHYSICA SLOVACA. ISSN 0323-0465, 2016, vol. 66, no. 1, pp. 1-68., Registrované v: WOS
6. [1.1] WERTZ, Sebastien. The Matrix Element Method in the LHC era. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 11010., Registrované v: WOS
7. [1.1] ZHANG, Cen. Single Top Production at Next-to-Leading Order in the Standard Model Effective Field Theory. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 16, art. no. 162002., Registrované v: WOS

ADCA1092 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for tb Resonances in Proton-Proton Collisions at root s=7 TeV with the ATLAS Detector. In *Physical Review Letters*, 2012, vol. 109, no. 8, art. no. 081801. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

1. [1.1] BANDYOPADHYAY, Triparno - BRAHMACHARI, Biswajoy - RAYCHAUDHURI, Amitava. Implications of the CMS search for W-R on grand unification. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 2, art. no. 023., Registrované v: WOS

2. [1.1] DELEPINE, David - FAISEL, Gaber - RAMIREZ, Carlos A. New physics effects in $D^{+>} K^- \pi^{(+)} \pi^{(+)}$. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 10, art. no. 105002., Registrované v: WOS
3. [1.1] DEPPISCH, Frank F. - GONZALO, Tomas E. - PATRA, Sudhanwa - SAHU, Narendra - SARKAR, Utpal. Double beta decay, lepton flavor violation, and collider signatures of left-right symmetric models with spontaneous D-parity breaking. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 1, art. no. 015018., Registrované v: WOS
4. [1.1] HETZEL, Jamil - STECH, Berthold. Low-energy phenomenology of trinification: An effective left-right-symmetric model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 5, art. no. 055026., Registrované v: WOS

ADCA1093 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for TeV-scale gravity signatures in high-mass final states with leptons and jets with the ATLAS detector at $\sqrt{s}=13$ TeV. In *Physics Letters B*, 2016, vol. 760, p. 520-537. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2016.07.030>

Ohlasy:

1. [1.1] DA ROCHA, Roldao. Dark SU(N) glueball stars on fluid branes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 12, art. no. 124017., Registrované v: WOS
2. [1.1] LEONARDI, R. - PANELLA, O. - ROMEO, F. - GURROLA, A. - SUN, H. - XUE, S.S. Phenomenology at the LHC of composite particles from strongly interacting Standard Model fermions via four-fermion operators of NJL type. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, APR 8 2020, vol. 80, no. 4., Registrované v: WOS
3. [1.1] MACK, K.J. - SONG, N.Q. - VINCENT, A.C. Signatures of microscopic black holes and extra dimensions at future neutrino telescopes. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 28 2020, no. 4., Registrované v: WOS

ADCA1094 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCZI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for TeV-scale gravity signatures in final states with leptons and jets with the ATLAS detector at $\sqrt{s}=7$ TeV. In *Physics Letters B*, 2012, vol. 716, no. 1, p. 122-141. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] CARDOSO, Vitor - GUALTIERI, Leonardo - HERDEIRO, Carlos - SPERHAK, Ulrich. Exploring New Physics Frontiers Through Numerical Relativity. In LIVING REVIEWS IN RELATIVITY. ISSN 1433-8351, 2015, vol. 18, art. no. 1., Registrované v: WOS

ADCA1095 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for the associated production of the Higgs boson with a top quark pair

in multilepton final states with the ATLAS detector. In *Physics Letters B*, 2015, vol. 749, p. 519-541. (2014: 6.131 - IF, Q1 - JCR, 3.562 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.
Dostupné na: <https://doi.org/10.1016/j.physletb.2015.07.079>

Ohlasy:

1. [1.1] ABDUSSALAM, S. - CABRERA, M.E. Revealing mass-degenerate states in Higgs boson signals. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 2019, vol. 79, no. 12., Registrované v: WOS
2. [1.1] ABDUSSALAM, S.S. Testing Higgs boson scenarios in the phenomenological NMSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 25 2019, vol. 79, no. 5., Registrované v: WOS
3. [1.1] BADZIAK, Marcin - WAGNER, Carlos E. M. Enhancing the Higgs associated production with a top quark pair. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 123., Registrované v: WOS
4. [1.1] BADZIAK, Marcin - WAGNER, Carlos E. M. Enhanced Higgs associated production with a top quark pair in the NMSSM with light singlets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 2, art. no. 050., Registrované v: WOS
5. [1.1] COUTURE, Gilles - FRANK, Mariana - HAMZAOU, Cherif - TOHARIA, Manuel. Top and bottom partners, Higgs boson on the brane, and the tth signal. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095038., Registrované v: WOS
6. [1.1] COX, Peter - MEDINA, Anibal D. - RAY, Tirtha Sankar - SPRAY, Andrew. Novel collider and dark matter phenomenology of a top-philic Z' . In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 6, art. no. 110., Registrované v: WOS
7. [1.1] DEMARTIN, Federico - MAIER, Benedikt - MALTONI, Fabio - MAWATARI, Kentarou - ZARO, Marco. tWH associated production at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 1, art. no. 34., Registrované v: WOS
8. [1.1] DENNER, Ansgar - LANG, Jean-Nicolas - PELLEN, Mathieu - UCCIRATI, Sandro. Higgs production in association with off-shell top-antitop pairs at NLO EW and QCD at the dLHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 2, art. no. 053., Registrované v: WOS
9. [1.1] DEUTSCHMANN, Nicolas - DUHR, Claude - MALTONI, Fabio - VRYONIDOU, Eleni. Gluon-fusion Higgs production in the Standard Model Effective Field Theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 12, art. no. 063., Registrované v: WOS
10. [1.1] DROR, Jeff Asaf - FARINA, Marco - SALVIONI, Ennio - SERRA, Javi. Strong tW scattering at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 1, art. no. 071., Registrované v: WOS
11. [1.1] FUJITANI, Y. - SUMINO, Y. Probing Higgs self-coupling of a classically scale invariant model in $e^{(+)}e^{(-)} \rightarrow Zhh$: Evaluation at physical point. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 779, pp. 46-51., Registrované v: WOS
12. [1.1] GONCALVES, Dorival - SAKURAI, Kazuki - TAKEUCHI, Michihisa. Monotop signature from the supersymmetric $t(\bar{t})\rightarrow \bar{H}$ channel. In

PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075009.,
Registrované v: WOS

13. [1.1] GONCALVES, Dorival - SAKURAI, Kazuki - TAKEUCHI, Michihisa. Tagging a monotop signature in natural SUSY. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015030.,
Registrované v: WOS

14. [1.1] GRITSAN, Andrei V. - ROENTSCH, Raoul - SCHULZE, Markus - XIAO, Meng. Constraining anomalous Higgs boson couplings to the heavy-flavor fermions using matrix element techniques. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055023., Registrované v: WOS

15. [1.1] HUANG, Peisi - LONG, Andrew J. - WANG, Lian-Tao. Probing the electroweak phase transition with Higgs factories and gravitational waves. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075008., Registrované v: WOS

16. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS

17. [1.1] CHANG, Jung - CHEUNG, Kingman - LEE, Jae Sik - LU, Chih-Ting. Entangling Higgs production associated with a single top and a top-quark pair in the presence of anomalous top-Yukawa coupling. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, art. no. 138.,
Registrované v: WOS

18. [1.1] JIANG, X.M. - CAI, C.F. - YU, Z.H. - ZENG, Y.P. - ZHANG, H.H. Pseudo-Nambu-Goldstone dark matter and two-Higgs-doublet models. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 10 2019, vol. 100, no. 7.,
Registrované v: WOS

19. [1.1] KULESZA, Anna - MOTYKA, Leszek - STEBEL, Tomasz - THEEUWES, Vincent. Soft gluon resummation for associated ttH production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 065., Registrované v: WOS

20. [1.1] KULESZA, Anna - MOTYKA, Leszek - STEBEL, Tomasz - THEEUWES, Vincent. Associated t(t)over-barH production at the LHC: Theoretical predictions at NLO plus NNLL accuracy. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 114007., Registrované v: WOS

21. [1.1] KULESZA, A. - MOTYKA, L. - SCHWARTLANDER, D. - STEBEL, T. - THEEUWES, V. Associated top quark pair production with a heavy boson: differential cross sections at NLO plus NNLL accuracy. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 15 2020, vol. 80, no. 5., Registrované v: WOS

22. [1.1] LIEBLER, Stefan - PROFUMO, Stefano - STEFANIAK, Tim. Light stop mass limits from Higgs rate measurements in the MSSM: is MSSM electroweak baryogenesis still alive after all? In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 143., Registrované v: WOS

23. [1.1] MALTONI, Fabio - PAGANI, Davide - TSINIKOS, Ioannis. Associated production of a top-quark pair with vector bosons at NLO in QCD: impact on t(t)over-barH searches at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 2, art. no. 113., Registrované v: WOS

24. [1.1] MALTONI, Fabio - VRYONIDOU, Eleni - ZHANG, Cen. Higgs production in association with a top-antitop pair in the Standard Model

- Effective Field Theory at NLO in QCD. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 10, art. no. 123., Registrované v: WOS
25. [1.1] MARIOTTI, Chiara - PASSARINO, Giampiero. Higgs boson couplings: Measurements and theoretical interpretation. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 4, art. no. 1730003., Registrované v: WOS
26. [1.1] MORETTI, Niccolo - PETROV, Petar - POZZORINI, Stefano - SPANNOVSKY, Michael. Measuring the signal strength in $t\bar{t} \rightarrow H \rightarrow b\bar{b}$ with $H \rightarrow b\bar{b}$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 014019., Registrované v: WOS
27. [1.1] SCHULZE, Markus - SOREQ, Yotam. Pinning down electroweak dipole operators of the top quark. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 8, art. no. 466., Registrované v: WOS
28. [1.1] VON BUDDENBROCK, Stefan. Exploring LHC Run 1 and 2 data using the Madala hypothesis. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC. ISSN 1742-6588, 2017, vol. 878, art. no. UNSP 012030., Registrované v: WOS
29. [1.1] VON BUDDENBROCK, Stefan - CORNELL, Alan S. - KUMAR, Mukesh - MELLADO, Bruce. The Madala hypothesis with Run 1 and 2 data at the LHC. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP 2017. ISSN 1742-6588, 2017, vol. 889, art. no. 01202., Registrované v: WOS
30. [1.1] ZIDI, Mohamed Sadek. NLO QCD corrections to single vector-like top partner production in association with top quark at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 123., Registrované v: WOS

ADCA1096 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for the $b\bar{b}$ decay of the Standard Model Higgs boson in associated (W/Z)H production with the ATLAS detector. In *Journal of High Energy Physics*, 2015, vol. 2015, no. 1, art. no. 069. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479.

Ohlasy:

1. [1.1] ABDUSSALAM, S. - CABRERA, M.E. Revealing mass-degenerate states in Higgs boson signals. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 2019, vol. 79, no. 12., Registrované v: WOS
2. [1.1] ABDUSSALAM, S.S. Testing Higgs boson scenarios in the phenomenological NMSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 25 2019, vol. 79, no. 5., Registrované v: WOS
3. [1.1] ARLEO, Francois - CHAPON, Emilien - PAUKKUNEN, Hannu. Scaling properties of inclusive $W^{+/-}$ production at hadron colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, art. no. 214., Registrované v: WOS
4. [1.1] AZATOV, Aleksandr - CONTINO, Roberto - PANICO, Giuliano - SON, Minho. Effective field theory analysis of double Higgs boson production via gluon fusion. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 035001., Registrované v: WOS

5. [1.1] BABU, K.S. - JANA, S. Enhanced di-Higgs production in the two Higgs doublet model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 28 2019, no. 2., Registrované v: WOS
6. [1.1] BARMAN, R.K. - BHATTACHERJEE, B. - CHOUDHURY, A. - CHOWDHURY, D. - LAHIRI, J. - RAY, S. Current status of MSSM Higgs sector with LHC 13 TeV data. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, APR 2019, vol. 134, no. 4., Registrované v: WOS
7. [1.1] BECCIOLINI, Diego - FRANZOSI, Diogo Buarque - FOADI, Roshan - FRANDSEN, Mads T. - HAPOLA, Tuomas - SANNINO, Francesco. Custodial vector model. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 015013., Registrované v: WOS
8. [1.1] BHATTACHERJEE, Biplob - CHOUDHURY, Arghya. Role of supersymmetric heavy Higgs boson production in the self-coupling measurement of 125 GeV Higgs boson at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 7, art. no. 073015., Registrované v: WOS
9. [1.1] BOUDJEMA, Fawzi - GUADAGNOLI, Diego - GODBOLE, Rohini M. - MOHAN, Kirtimaan A. Laboratory-frame observables for probing the top-Higgs boson interaction. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 1, art. no. 015019., Registrované v: WOS
10. [1.1] BUCKLEY, Matthew R. - FELD, David. Dark matter in leptophilic Higgs models after the LHC run I. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 075024., Registrované v: WOS
11. [1.1] CLINE, James M. - DUPUIS, Grace - LIU, Zuwei - XUE, Wei. Multimediator models for the Galactic Center gamma ray excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 11, art. no. 115010., Registrované v: WOS
12. [1.1] DWIVEDI, Siddharth - MONDAL, Subhadeep - MUKHOPADHYAYA, Biswarup. Exploring anomalous $h(b)\overline{b}$ and $h(b)\overline{b}$ gamma couplings in the context of the LHC and an $e(+)e(-)$ collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015035., Registrované v: WOS
13. [1.1] EFRATI, Aielet - KUFLIK, Eric - NUSSINOV, Shmuel - SOREQ, Yotam - VOLANSKY, Tomer. Constraining the Higgs-dilaton with LHC and dark matter searches. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 5, art. no. 055034., Registrované v: WOS
14. [1.1] GONCALVES, Dorival - KRAUSS, Frank - KUTTIMALAI, Silvan - MAIERHOEFER, Philipp. Higgs-Strahlung: Merging the NLO Drell-Yan and loop-induced 0+1 jet multiplicities. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 073006., Registrované v: WOS
15. [1.1] GRELJO, Admir - ISIDORI, Gino - LINDERT, Jonas M. - MARZOCCA, David. Pseudo-observables in electroweak Higgs production. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 3, art. no. 158., Registrované v: WOS
16. [1.1] CHAKRABORTY, Indrani - MUKHOPADHYAYA, Biswarup - MONDAL, Subhadeep. Lepton flavor violating Higgs boson decay at $e(+)e(-)$ colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 115020., Registrované v: WOS
17. [1.1] CHANG, Sanghyeon - KANG, Sin Kyu - LEE, Jong-Phil - SONG, Jeonghyeon. Higgs potential and hidden light Higgs scenario in two Higgs doublet models. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol.

92, no. 7, art. no. 075023., Registrované v: WOS

18. [1.1] KANEMURA, Shinya - NISHIWAKI, Kenji - OKADA, Hiroshi - ORIKASA, Yuta - PARK, Seong Chan - WATANABE, Ryoutaro. LHC 750 GeV diphoton excess in a radiative seesaw model. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2016, no. 12, art. no. 123B04., Registrované v: WOS

19. [1.1] KORCHIN, Alexander Yu. - KOVALCHUK, Vladimir A. Decay of the Higgs boson to tau(-)tau(+) and non-Hermiticity of the Yukawa interaction. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 076003., Registrované v: WOS

20. [1.1] MISCHKE, Andre. RECENT HEAVY-ION RESULTS FROM THE LHC AND FUTURE PERSPECTIVES. In INTERNATIONAL MEETING: EXCITED QCD, 2016. ISSN 1899-2358, 2016, vol. 9, no. 3, pp. 491-496., Registrované v: WOS

21. [1.1] NISHIWAKI, Kenji - OKADA, Hiroshi - ORIKASA, Yuta. Three loop neutrino model with isolated $k(+/-+/-)$. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 093013., Registrované v: WOS

22. [1.1] PANTUEV, V. S. Corona Effect in AA Collisions at the LHC. In JETP LETTERS. ISSN 0021-3640, 2017, vol. 105, no. 10, pp. 631-634., Registrované v: WOS

23. [1.1] PEREZ, Gilad - SOREQ, Yotam - STAMOU, Emmanuel - TOBIOKA, Kohsaku. Constraining the charm Yukawa and Higgs-quark coupling universality. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 033016., Registrované v: WOS

24. [1.1] PEREZ, Gilad - SOREQ, Yotam - STAMOU, Emmanuel - TOBIOKA, Kohsaku. Prospects for measuring the Higgs boson coupling to light quarks. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 013001., Registrované v: WOS

25. [1.1] VITEV, Ivan. Soft-collinear effective theory for hadronic and nuclear collisions: The evolution of jet quenching from RHIC to the highest LHC energies. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 677-680., Registrované v: WOS

ADCA1097 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for the decay $B_s(0) - \mu(+) \mu(-)$ with the ATLAS detector. In *Physics Letters B*, 2012, vol. 713, no. 4-5, p. 387-407. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2012.06.013>

Ohlasy:

1. [1.1] ABDUSSALAM, S. S. - VELASCO-SEVILLA, L. 30 parameter version of the MSSM in light of the $B_s \rightarrow \mu(+) \mu(-)$ observation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055010., Registrované v: WOS

2. [1.1] BLAKE, T. - GERSHON, T. - HILLER, G. Rare b Hadron Decays at the LHC. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 65. ISSN 0163-8998, 2015, vol. 65, pp. 113-143., Registrované v: WOS

3. [1.1] BUCHMUELLER, O. - CITRON, M. - ELLIS, J. - GUHA, S. - MARROUCHE, J. - OLIVE, K. A. - DE VRIES, K. - ZHENG, Jiaming. Collider

Interplay for Supersymmetry, Higgs and Dark Matter. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 10, art. no. 469., Registrované v: WOS

4. [1.1] D'ENTERRIA, D. - SHAO, H.S. Rare two-body decays of the top quark into a bottom meson plus an up or charm quark. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 20 2020, no. 7., Registrované v: WOS

5. [1.1] EBERL, Helmut - SPANOS, Vassilis C. GravitinoPack and decays of supersymmetric metastable particles. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2016, vol. 202, pp. 310-325., Registrované v: WOS

6. [1.1] GERSHON, Timothy - NEEDHAM, Matthew. Heavy flavour physics at the LHC. In COMPTES RENDUS PHYSIQUE. ISSN 1631-0705, 2015, vol. 16, no. 4, pp. 435-447., Registrované v: WOS

7. [1.1] GRINSTEIN, B. - CAMALICH, J. Martin. Weak Decays of Excited B Mesons. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 14, art. no. 141801., Registrované v: WOS

8. [1.1] GUADAGNOLI, D. Flavor physics: Precision as an avenue to discovery. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, JAN 10 2020, vol. 35, no. 1., Registrované v: WOS

9. [1.1] LEONARDO, Nuno T. Search and measurement of the $B \rightarrow \mu \mu$ rare processes with LHC Run I data. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 1308-1313., Registrované v: WOS

10. [1.1] NEBOT, Miguel. Hunting for New Physics with Up Vector-like Quarks. In 4TH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES (DISCRETE2014). ISSN 1742-6588, 2015, vol. 631, art. no. 012025., Registrované v: WOS

ADCA1098 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for the Decay of the Higgs Boson to Charm Quarks with the ATLAS Experiment. In *Physical Review Letters*, 2018, vol. 120, no. 21, art. no. 211802. (2017: 8.839 - IF, Q1 - JCR, 3.622 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.120.211802>

Ohlasy:

1. [1.1] BRAMBILLA, N. - CHUNG, H.S. - LAI, W.K. - SHTABOVENKO, V. - VAIRO, A. Order α_s^4 corrections to Higgs boson decay into J/ψ plus gamma. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 26 2019, vol. 100, no. 5., Registrované v: WOS

2. [1.1] COYLE, N.M. - WAGNER, C.E.M. - WEI, V. Bounding the charm Yukawa coupling. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 24 2019, vol. 100, no. 7., Registrované v: WOS

3. [1.1] DE BLAS, Jorge - EBERHARDT, Otto - KRAUSE, Claudius. Current and future constraints on Higgs couplings in the nonlinear Effective Theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 048., Registrované v: WOS

4. [1.1] DONATO, S. Search and measurement of the SM Higgs boson. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN

PHYSICS. ISSN 2037-4909, 2018, vol. 41, no. 4, art. no. 156., Registrované v: WOS

5. [1.1] EGANA-UGRINOVIC, D. - HOMILLER, S. - MEADE, P. Higgs bosons with large couplings to light quarks. In PHYSICAL REVIEW D. ISSN 1550-7998, DEC 23 2019, vol. 100, no. 11., Registrované v: WOS

6. [1.1] EGANA-UGRINOVIC, D. - HOMILLER, S. - MEADE, P. Aligned and Spontaneous Flavor Violation. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, JUL 17 2019, vol. 123, no. 3., Registrované v: WOS

7. [1.1] HAISCH, U. - HALA, A. Bounds on CP-violating Higgs-gluon interactions: the case of vanishing light-quark Yukawa couplings. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 21 2019, no. 11., Registrované v: WOS

8. [1.1] LIAO, Q.L. - JIANG, J. Excited heavy quarkonium production in Higgs boson decays. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 10 2019, vol. 100, no. 5., Registrované v: WOS

9. [1.1] LI, G. - PAVLICK, D. - CHUNG, J.H. - BAUER, T. - TAN, B.A. - PEGUERO, J. - WARD, P. - KALLAB, A. - BUFILL, J. - HOFFMAN, A. - SADIQ, A. - EDENFIELD, J. - HE, J. - COOKE, M. - HUGHES, J. - FORCIER, B. - NAHAS, M. - STEPHENS, P. - ALI, S.M. - SCHROCK, A.B. - ROSS, J.S. - MILLER, V.A. - GREGG, J.P. Genomic profiling of cell-free circulating tumor DNA in patients with colorectal cancer and its fidelity to the genomics of the tumor biopsy. In JOURNAL OF GASTROINTESTINAL ONCOLOGY. ISSN 2078-6891, OCT 2019, vol. 10, no. 5, p. 831-840., Registrované v: WOS

10. [1.1] MURPHY, C.W. Class imbalance techniques for high energy physics. In SCIPOST PHYSICS. ISSN 2542-4653, DEC 2019, vol. 7, no. 6., Registrované v: WOS

ADCA1099 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for the Dimuon Decay of the Higgs Boson in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. In *Physical Review Letters*, 2017, vol. 119, no. 5, art. no. 051802. (2016: 8.462 - IF, Q1 - JCR, 4.196 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.119.051802>

Ohlasy:

1. [1.1] ALTMANNSHOFER, Wolfgang - MADDOCK, Brian. Flavorful two-Higgs-doublet models with a twist. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075005., Registrované v: WOS

2. [1.1] ALTMANNSHOFER, W. - MADDOCK, B. - TUCKLER, D. Rare top decays as probes of flavorful Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 8 2019, vol. 100, no. 1., Registrované v: WOS

3. [1.1] BOTELLA, Francisco J. - CORNET-GOMEZ, Fernando - NEBOT, Miguel. Flavor conservation in two-Higgs-doublet models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035046., Registrované v: WOS

4. [1.1] CESAROTTI, C. - SOREQ, Y. - STRASSLER, M.J. - THALER, J. - XUE, W. Searching in CMS open data for dimuon resonances with substantial transverse momentum. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 16 2019, vol. 100, no. 1., Registrované v: WOS

5. [1.1] CRIVELLIN, Andreas - HOFERICHTER, Martin - SCHMIDT-WELLENBURG, Philipp. Combined explanations of $(g-2)_{\mu,e}$ and implications for a large muon EDM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 113002., Registrované v: WOS
6. [1.1] DONATO, S. Search and measurement of the SM Higgs boson. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2018, vol. 41, no. 4, art. no. 156., Registrované v: WOS
7. [1.1] ELAHLI, F. - MARTIN, A. LHC constraints on a $(B-L)(3)$ gauge boson. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 19 2019, vol. 100, no. 3., Registrované v: WOS
8. [1.1] CHANG, W.F. - NG, J.N. Alternative perspective on gauged lepton number and implications for collider physics. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 25 2019, vol. 99, no. 7., Registrované v: WOS
9. [1.1] CHERCHIGLIA, Adriano - STOECKINGER, Dominik - STOECKINGER-KIM, Hyejung. Muon $g-2$ in the 2HDM: Maximum results and detailed phenomenology. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035001., Registrované v: WOS
10. [1.1] KRAML, S. - LOC, T.Q. - NHUNG, D.T. - NINH, L.D. Constraining new physics from Higgs measurements with Lilith: update to LHC Run 2 results. In SCIPOST PHYSICS. ISSN 2542-4653, OCT 2019, vol. 7, no. 4., Registrované v: WOS
11. [1.1] LIAO, Q.L. - JIANG, J. Excited heavy quarkonium production in Higgs boson decays. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 10 2019, vol. 100, no. 5., Registrované v: WOS
12. [1.1] MURPHY, Christopher W. Statistical approach to Higgs boson couplings in the standard model effective field theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 015007., Registrované v: WOS

ADCA1100 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for the direct production of charginos and neutralinos in final states with tau leptons in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. In *European Physical Journal C*, 2018, vol. 78, no. 2, art. no. 154. (2017: 5.172 - IF, Q1 - JCR, 2.022 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-018-5583-9>

Ohlasy:

1. [1.1] ABDALLAH, W. - CHATTERJEE, A. - DATTA, A. Revisiting singlino dark matter of the natural $Z(3)$ -symmetric NMSSM in the light of LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 12 2019, no. 9., Registrované v: WOS
2. [1.1] AHMED, Waqas - BI, Xiao-Jun - LI, Tianjun - NIU, Jia-Shu - RAZA, Shabbar - XIANG, Qian-Fei - YIN, Peng-Fei. Status of natural supersymmetry from the generalized minimal supergravity in light of the current LHC run-2 and LUX data. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 015040., Registrované v: WOS
3. [1.1] BAGLIO, Julien - JAEGER, Barbara - KESENHEIMER, Matthias. Precise predictions for electroweakino-pair production in association with a jet at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN

1029-8479, 2018, no. 7, art. no. 055., Registrované v: WOS

4. [1.1] BAGNASCHI, E. - BAHL, H. - FUCHS, E. - HAHN, T. - HEINEMEYER, S. - LIEBLER, S. - PATEL, S. - SLAVICH, P. - STEFANIAK, T. - WAGNER, C.E.M. - WEIGLEIN, G. MSSM Higgs boson searches at the LHC: benchmark scenarios for Run 2 and beyond. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 20 2019, vol. 79, no. 7., Registrované v: WOS

5. [1.1] BARMAN, R.K. - BHATTACHERJEE, B. - CHOUDHURY, A. - CHOWDHURY, D. - LAHIRI, J. - RAY, S. Current status of MSSM Higgs sector with LHC 13 TeV data. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, APR 2019, vol. 134, no. 4., Registrované v: WOS

6. [1.1] BELL, N.F. - DOLAN, M.J. - FRIEDRICH, L.S. - RAMSEY-MUSOLF, M.J. - VOLKAS, R.R. Electroweak baryogenesis with vector-like leptons and scalar singlets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 2 2019, no. 9., Registrované v: WOS

7. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS

8. [1.1] EL HEDRI, S. - NORDSTROM, K. Whac-a-constraint with anomaly-free dark matter models. In SCIPOST PHYSICS. ISSN 2542-4653, FEB 2019, vol. 6, no. 2., Registrované v: WOS

9. [1.1] FIASCHI, J. - KLASSEN, M. Neutralino-chargino pair production at NLO plus NLL with resummation-improved parton density functions for LHC Run II. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 055014., Registrované v: WOS

10. [1.1] GHOSH, D.K. - HUITU, K. - MONDAL, S. - MITRA, M. Same-sign trilepton signal for stop quark in the presence of sneutrino dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, APR 15 2019, vol. 99, no. 7., Registrované v: WOS

11. [1.1] HAGIWARA, Kaoru - MA, Kai - MUKHOPADHYAY, Satyanarayan. Closing in on the chargino contribution to the muon g-2 in the MSSM: Current LHC constraints. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 055035., Registrované v: WOS

12. [1.1] CHATTERJEE, Arindam - DUTTA, Juhi - RAI, Santosh Kumar. Natural SUSY at LHC with right-sneutrino LSP. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 042., Registrované v: WOS

13. [1.1] CHOUBEY, Sandhya - KHAN, Sarif - MITRA, Manimala - MONDAL, Subhadeep. Singlet-triplet fermionic dark matter and LHC phenomenology. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 302., Registrované v: WOS

14. [1.1] KOUDA, Yusaku - KON, Tadashi - KURIHARA, Yoshimasa - ISHIKAWA, Tadashi - JIMBO, Masato - KATO, Kiyoshi - KURODA, Masaaki. One-loop effects of Minimal Supersymmetric Standard Model particles in $e(-)e(+)\rightarrow Z h$ and $e(-)e(+)\rightarrow \nu(\bar{\nu})\nu(\bar{\nu})$ at the International Linear Collider. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2018, no. 8, art. no. 083B03., Registrované v: WOS

15. [1.1] SMARANDA, D.D. - MILLER, D.J. Scherk-Schwarz orbifolds at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS

16. [1.1] SOKOLENKO, Anastasia - BONDARENKO, Kyrylo - BOYARSKY, Alexey - SHCHUTSKA, Lesya. Connection between diphoton and triboson channels in new physics searches. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 787, pp. 23-29., Registrované v: WOS

ADCA1101 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for the direct production of charginos, neutralinos and staus in final states with at least two hadronically decaying taus and missing transverse momentum in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2014, vol. 2014, no. 10, art. no. 096. (2013: 6.220 - IF, Q1 - JCR, 1.173 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP10\(2014\)096](https://doi.org/10.1007/JHEP10(2014)096)

Ohlasy:

1. [1.1] ABDULLAH, Mohammad - FENG, Jonathan L. - IWAMOTO, Sho - LILLARD, Benjamin. Heavy bino dark matter and collider signals in the MSSM with vectorlike fourth-generation particles. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 095018., Registrované v: WOS
2. [1.1] AHMED, Waqas - CALIBBI, Lorenzo - LI, Tianjun - MUSTAFAYEV, Azar - RAZA, Shabbar. Low fine-tuning in Yukawa-deflected gauge mediation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095031., Registrované v: WOS
3. [1.1] AMBROGI, Federico - KRAML, Sabine - KULKARNI, Suchita - LAA, Ursula - LESSA, Andre - WALTENBERGER, Wolfgang. On the coverage of the pMSSM by simplified model results. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 215., Registrované v: WOS
4. [1.1] BARDUCCI, D. - DEANDREA, A. - MORETTI, S. - PANIZZ, L. - PRAGER, H. Characterizing dark matter interacting with extra charged leptons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075006., Registrované v: WOS
5. [1.1] BARMAN, Rahool Kumar - BHATTACHERJEE, Biplob - CHAKRABORTY, Amit - CHOUDHURY, Arghya. Study of MSSM heavy Higgs bosons decaying into charginos and neutralinos. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075013., Registrované v: WOS
6. [1.1] BRAMANTE, Joseph - FOX, Patrick J. - MARTIN, Adam - OSTDIEK, Bryan - PLEHN, Tilman - SCHELL, Torben - TAKEUCHI, Michihisa. Relic neutralino surface at a 100 TeV collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 5, art. no. 054015., Registrované v: WOS
7. [1.1] BUCKLEY, Matthew R. - FELD, David. Dark matter in leptophilic Higgs models after the LHC run I. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 075024., Registrované v: WOS
8. [1.1] CLINE, James M. - KAINULAINEN, Kimmo - TUCKER-SMITH, David. Electroweak baryogenesis from a dark sector. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115006., Registrované v: WOS
9. [1.1] HAGIWARA, Kaoru - MA, Kai - MUKHOPADHYAY, Satyanarayan. Closing in on the chargino contribution to the muon $g-2$ in the MSSM: Current LHC constraints. In PHYSICAL REVIEW D. ISSN 2470-0010,

- 2018, vol. 97, no. 5, art. no. 055035., Registrované v: WOS
10. [1.1] HAMADA, Yuta - KAWAI, Hikaru - KAWANA, Kiyoharu - TSUMURA, Koji. Models of the LHC diphoton excesses valid up to the Planck scale. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 014007., Registrované v: WOS
11. [1.1] CHOUDHURY, Arghya - MONDAL, Subhadeep. Revisiting the exclusion limits from direct chargino-neutralino production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055024., Registrované v: WOS
12. [1.1] CHOUDHURY, Arghya - RAO, Soumya - ROSZKOWSKI, Leszek. Impact of LHC data on muon g-2 solutions in a vectorlike extension of the constrained MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075046., Registrované v: WOS
13. [1.1] KALINOWSKI, J. - KOTLARSKI, W. - RICHTER-WAS, E. - WAS, Z. Production of tau lepton pairs with high p(T) jets at the LHC and the TauSpinner reweighting algorithm. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 10, art. no. 540., Registrované v: WOS
14. [1.1] YU, Zhao-Huan - BI, Xiao-Jun - YAN, Qi-Shu - YIN, Peng-Fei. Tau portal dark matter models at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 035008., Registrované v: WOS

ADCA1102 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for the electroweak production of supersymmetric particles in root s=8 TeV pp collisions with the ATLAS detector. In *Physical Review D*, 2016, vol. 93, no. 5, art. no. 052002. (2015: 4.506 - IF, Q2 - JCR, 2.236 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.93.052002>

Ohlasy:

1. [1.1] ABOUBRAHIM, Amin - NATH, Pran. Supergravity models with 50-100 TeV scalars, supersymmetry discovery at the LHC, and gravitino decay constraints. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075015., Registrované v: WOS
2. [1.1] AMBROGI, Federico - KRAML, Sabine - KULKARNI, Suchita - LAA, Ursula - LESSA, Andre - WALTENBERGER, Wolfgang. On the coverage of the pMSSM by simplified model results. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 215., Registrované v: WOS
3. [1.1] BOLTON, P.D. - DEPPISCH, F.F. Probing nonstandard lepton number violating interactions in neutrino oscillations. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 10 2019, vol. 99, no. 11., Registrované v: WOS
4. [1.1] CLINE, J.M. - GROSS, C. - XUE, W. Can the ANITA anomalous events be due to new physics?. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 19 2019, vol. 100, no. 1., Registrované v: WOS
5. [1.1] FUKS, B. - NORDSTROM, K. - RUIZ, R. - WILLIAMSON, S.L. Sleptons without hadrons. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 11 2019, vol. 100, no. 7., Registrované v: WOS
6. [1.1] HAGIWARA, Kaoru - MA, Kai - MUKHOPADHYAY, Satyanarayan. Closing in on the chargino contribution to the muon g-2 in the MSSM: Current LHC constraints. In PHYSICAL REVIEW D. ISSN 2470-0010,

2018, vol. 97, no. 5, art. no. 055035., Registrované v: WOS

7. [1.1] HUSSAIN, Mureed - KHALID, Rizwan. Understanding the muon anomalous magnetic moment in light of a flavor symmetry-based Minimal Supersymmetric Standard Model. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2018, no. 8, art. no. 083B06., Registrované v: WOS

8. [1.1] HUSSAIN, M. - HUSSAIN, R. Yukawa unification with light supersymmetric particles consistent with LHC constraints. In NUCLEAR PHYSICS B. ISSN 0550-3213, MAY 2019, vol. 942, p. 30-44., Registrované v: WOS

9. [1.1] CHOUDHURY, Arghya - RAO, Soumya - ROSZKOWSKI, Leszek. Impact of LHC data on muon g-2 solutions in a vectorlike extension of the constrained MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075046., Registrované v: WOS

10. [1.1] SANCHEZ-VELEZ, R. - TAVARES-VELASCO, G. Decay $\phi \rightarrow Z \gamma \gamma$ ($\phi = h, H, A$) in the minimal supersymmetric standard model. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 19 2019, vol. 99, no. 5., Registrované v: WOS

11. [1.1] SMARANDA, D.D. - MILLER, D.J. Scherk-Schwarz orbifolds at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS

12. [1.1] TRAN, H.M. - NGUYEN, H.T. GUT-inspired MSSM in light of muon g-2 and LHC results at $\sqrt{s}=13$ TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 26 2019, vol. 99, no. 3., Registrované v: WOS

ADCA1103 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Search for the Flavor-Changing Neutral-Current Decay $t \rightarrow Z q$ in pp Collisions at $\sqrt{s}=1.96$ TeV. In *Physical Review Letters*, 2008, vol. 101, no. 19, art. no. 192002. (2007: 6.944 - IF, Q1 - JCR, 5.950 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.101.192002>

Ohlasy:

1. [1.1] GOLDOUZIAN, Reza. Search for top quark flavor changing neutral currents in same-sign top quark production. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 014022., Registrované v: WOS

2. [1.1] KIM, C. S. - YOON, Yeo Woong - YUAN, Xing-Bo. Exploring top quark FCNC within 2HDM type III in association with flavor physics. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 12, art. no. 038., Registrované v: WOS

ADCA1104 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABED ABUD, A. - ABELING, K. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for the $HH \rightarrow b(b) \text{over-bar} b(b) \text{over-bar}$ process via vector-boson fusion production using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2020, no. 7, art. no. 108. (2019: 5.875 - IF, Q1 - JCR, 0.948 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP07\(2020\)108](https://doi.org/10.1007/JHEP07(2020)108)

Ohlasy:

1. [1.1] BARMAN, R.K. - ENGLERT, C. - GONCALVES, D. - SPANNOVSKY, M. Di-Higgs resonance searches in weak boson fusion. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 17 2020, vol. 102, no. 5., Registrované v: WOS

ADCA1105 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABED ABUD, A. - ABELING, K. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for the Higgs boson decays $H \rightarrow ee$ and $H \rightarrow e\mu$ in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Physics Letters B : Nuclear, Elementary Particle and High-Energy Physics*, 2020, vol. 801, art. no. 135148. (2019: 4.384 - IF, Q1 - JCR, 1.795 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2019.135148>

Ohlasy:

1. [1.1] HONG, T.T. - HUNG, H.T. - PHUONG, H.H. - PHUONG, L.T.T. - HUE, L.T. Lepton-flavor-violating decays of the SM-like Higgs boson $h \rightarrow e(i)e(j)$, and $e(i) \rightarrow e(j)\gamma$ in a flipped 3-3-1 model. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, APR 2020, vol. 2020, no. 4., Registrované v: WOS
2. [1.1] CHO, W.S. - KIM, H.D. - LEE, D. Boosting invisible Higgs boson searches by tagging a gluon jet for the gluon fusion process. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 3 2020, vol. 102, no. 11., Registrované v: WOS

ADCA1106 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCÉI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for the Higgs Boson in the $H \rightarrow WW^{(*)} \rightarrow l^{(+)}\nu l^{(-)}\bar{\nu}$ Decay Channel in pp Collisions at $\sqrt{s}=7$ TeV with the ATLAS Detector. In *Physical Review Letters*, 2012, vol. 108, no. 11, art. no. 111802. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

1. [1.1] DUPUIS, Grace. Collider constraints and prospects of a scalar singlet extension to Higgs portal dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art. no. 008., Registrované v: WOS
2. [1.1] KROLL, I. Joseph. WW Physics. In ROAD TO DISCOVERY: DETECTOR ALIGNMENT, ELECTRON IDENTIFICATION, PARTICLE MISIDENTIFICATION, WW PHYSICS, AND THE DISCOVERY OF THE HIGGS BOSON. ISSN 2190-5053, 2015, pp. 129-149., Registrované v: WOS
3. [1.1] WEIGLEIN, Georg. The Diphoton Decay Channel in the MSSM and the NMSSM. In CONSTRAINING SUPERSYMMETRIC MODELS: USING HIGGS PHYSICS, PRECISION OBSERVABLES AND DIRECT SEARCHES. ISSN 2190-5053, 2016, pp. 119-139., Registrované v: WOS

ADCA1107 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCÉI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for the Higgs boson in the $H \rightarrow WW \rightarrow l\nu jj$ decay channel at $\sqrt{s}=7$ TeV with the ATLAS detector. In *Physics Letters B*, 2012, vol. 718, no. 2, p. 391-410. (2011: 3.955 - IF, Q1 - JCR,

3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] BUTTAZZO, Dario - SALA, Filippo - TESI, Andrea. Singlet-like Higgs bosons at present and future colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 11, art. no. 158., Registrované v: WOS
2. [1.1] CANKOCAK, K. - DEMIR, D. - KARAHAN, C. - SEN, S. Electroweak stability and discovery luminosities for new physics. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 2020, vol. 80, no. 12., Registrované v: WOS
3. [1.1] KAUER, Nikolas - O'BRIEN, Claire - VRYONIDOU, Eleni. Interference effects for $H \rightarrow WW \rightarrow l \nu q(\bar{q})$ and $H \rightarrow ZZ \rightarrow l(l)\bar{q}(\bar{q})$ searches in gluon fusion at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 10, art. no. 074., Registrované v: WOS
4. [1.1] KAUER, Nikolas - O'BRIEN, Claire. Heavy Higgs signal-background interference in $gg \rightarrow VV$ in the Standard Model plus real singlet. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 8, art. no. 374., Registrované v: WOS

ADCA1108 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for the Higgs Boson in the $H \rightarrow WW \rightarrow l \nu jj$ Decay Channel in pp Collisions at root s=7 TeV with the ATLAS Detector. In *Physical Review Letters*, 2011, vol. 107, no. 23, art. no. 231801. (2010: 7.622 - IF, Q1 - JCR, 6.450 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

1. [1.1] DERMISEK, Radovan - LUNGHI, Enrico - SHIN, Seodong. New decay modes of heavy Higgs bosons in a two Higgs doublet model with vector like leptons. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 148., Registrované v: WOS
2. [1.1] DUPUIS, Grace. Collider constraints and prospects of a scalar singlet extension to Higgs portal dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art. no. 008., Registrované v: WOS

ADCA1109 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the $H \rightarrow aa \rightarrow 4b$ channel in pp collisions at root s=13 TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2018, no. 10, art. no. 031. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP10\(2018\)031](https://doi.org/10.1007/JHEP10(2018)031)

Ohlasy:

1. [1.1] BARMAN, R.K. - BHATTACHERJEE, B. - CHATTERJEE, A. - CHOUDHURY, A. - GUPTA, A. Scope of self-interacting thermal WIMPs in a minimal U(1)(D) extension and its future prospects. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 28 2019, no. 5., Registrované v: WOS

ADCA1110

AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for the Higgs boson produced in association with a W boson and decaying to four b-quarks via two spin-zero particles in pp collisions at 13 TeV with the ATLAS detector. In *European Physical Journal C*, 2016, vol. 76, no. 11, art. no. 605. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4418-9>

Ohlasy:

1. [1.1] AGGLETON, R. - BARDUCCI, D. - BOMARK, N.E. - MORETTI, S. - SHEPHERD-THEMISTOCLEOUS, C. Review of LHC experimental results on low mass bosons in multi Higgs models. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2017, no. 2, art. no. 035., Registrované v: WOS
2. [1.1] ARBEY, A. - MAHMOUDI, F. - STAL, O. - STEFANIAK, T. Status of the charged Higgs boson in two Higgs doublet models. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 182., Registrované v: WOS
3. [1.1] BARDUCCI, D. - MIMASU, K. - NO, J.M. - VERNIERI, C. - ZURITA, J. Enlarging the scope of resonant di-Higgs searches: hunting for Higgs-to-Higgs cascades in 4b final states at the LHC and future colliders. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, FEB 3 2020, no. 2., Registrované v: WOS
4. [1.1] BAUER, Martin - NEUBERT, Matthias - THAMM, Andrea. Collider probes of axion-like particles. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2017, no. 12, art. no. 044., Registrované v: WOS
5. [1.1] ESSIG, Rouven - MEADE, Patrick - RAMANI, Harikrishnan - ZHONG, Yi-Ming. Higgs-precision constraints on colored naturalness. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2017, no. 9, art. no. 085., Registrované v: WOS
6. [1.1] EVANS, Jared A. - GORI, Stefania - SHELTON, Jessie. Looking for the WIMP next door. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2018, no. 2, art. no. 100., Registrované v: WOS
7. [1.1] FRANZOSI, D.B. - FERRETTI, G. - HUANG, L. - SHU, J. Pseudoscalar pair production via off-shell Higgs in composite Higgs models. In *SCIPOST PHYSICS*. ISSN 2542-4653, NOV 2020, vol. 9, no. 5., Registrované v: WOS
8. [1.1] LIU, Shang - TANG, Yi-Lei - ZHANG, Chen - ZHU, Shou-hua. Exotic Higgs decay $h \rightarrow \phi \phi \rightarrow 4b$ at the LHeC. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2017, vol. 77, no. 7, art. no. 457., Registrované v: WOS

ADCA1111

AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for the lepton flavor violating decay $Z \rightarrow e \mu$ in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2014, vol. 90, no. 7, art. no. 072010. (2013: 4.864 - IF, Q1 - JCR, 2.482 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.90.072010>

Ohlasy:

1. [1.1] ABADA, A. - BECIREVIC, D. - LUCENTE, M. - SUMENSARI, O. Lepton flavor violating decays of vector quarkonia and of the Z boson. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 11, art. no. 113013., Registrované v: WOS
2. [1.1] AEBISCHER, J. - KUMAR, J. - STANGL, P. - STRAUB, D.M. A global likelihood for precision constraints and flavour anomalies. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 15 2019, vol. 79, no. 6., Registrované v: WOS
3. [1.1] BELUSCA-MAITO, Hermes - FALKOWSKI, Adam. On the exotic Higgs decays in effective field theory. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 9, art. no. 514., Registrované v: WOS
4. [1.1] CALIBBI, Lorenzo - SIGNORELLI, Giovanni. Charged lepton flavour violation: An experimental and theoretical introduction. In RIVISTA DEL NUOVO CIMENTO. ISSN 0393-697X, 2018, vol. 41, no. 2, pp. 71-174., Registrované v: WOS
5. [1.1] COY, R. - FRIGERIO, M. Effective approach to lepton observables: The seesaw case. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 31 2019, vol. 99, no. 9., Registrované v: WOS
6. [1.1] DAVIDSON, Sacha - GORBAHN, Martin - LEAK, Matthew. Majorana neutrino masses in the renormalization group equations for lepton flavor violation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095014., Registrované v: WOS
7. [1.1] DAVIDSON, Sacha - MANGANO, Michelangelo L. - PERRIES, Stephane - SORDINI, Viola. Lepton flavour violating top decays at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 450., Registrované v: WOS
8. [1.1] DAVIDSON, Sacha. $\mu \rightarrow e \gamma$ and matching at $m(W)$. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 7, art. no. 370., Registrované v: WOS
9. [1.1] DE ROMERI, V. - HERRERO, M. J. - MARCANO, X. - SCARCELLA, F. Lepton flavor violating Z decays: A promising window to low scale seesaw neutrinos. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075028., Registrované v: WOS
10. [1.1] GONZALEZ-ALONSO, Martin. TAU2014 Opening Talk. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2015, vol. 260, pp. 3-11., Registrované v: WOS
11. [1.1] HEECK, Julian. Interpretation of lepton flavor violation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015022., Registrované v: WOS
12. [1.1] HERRERO, M. J. - MARCANO, X. - MORALES, R. - SZYNKMAN, A. One-loop effective LFV $Zl(k)l(m)$ vertex from heavy neutrinos within the mass insertion approximation. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 10, art. no. 815., Registrované v: WOS
13. [1.1] CHANG, W.F. - NG, J.N. Alternative perspective on gauged lepton number and implications for collider physics. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 25 2019, vol. 99, no. 7., Registrované v: WOS
14. [1.1] LI, T. - SCHMIDT, M.A. Sensitivity of future lepton colliders

and low-energy experiments to charged lepton flavor violation from bileptons. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 3 2019, vol. 100, no. 11., Registrované v: WOS

15. [1.1] LI, T. - SCHMIDT, M.A. Sensitivity of future lepton colliders to the search for charged lepton flavor violation. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 27 2019, vol. 99, no. 5., Registrované v: WOS

16. [1.1] MARCANO, Xabier. Lepton Flavor Violation from Low Scale Seesaw Neutrinos with Masses Reachable at the LHC Introduction. In LEPTON FLAVOR VIOLATION FROM LOW SCALE SEESAW NEUTRINOS WITH MASSES REACHABLE AT THE LHC. ISSN 2190-5053, 2018, pp. 1-12., Registrované v: WOS

17. [1.1] MARCANO, Xabier. LFV Z Decays from Low Scale Seesaw Neutrinos. In LEPTON FLAVOR VIOLATION FROM LOW SCALE SEESAW NEUTRINOS WITH MASSES REACHABLE AT THE LHC. ISSN 2190-5053, 2018, pp. 109-118., Registrované v: WOS

18. [1.1] MARCANO, Xabier. Phenomenological Implications of Low Scale Seesaw Neutrinos on LFV. In LEPTON FLAVOR VIOLATION FROM LOW SCALE SEESAW NEUTRINOS WITH MASSES REACHABLE AT THE LHC. ISSN 2190-5053, 2018, pp. 39-63., Registrované v: WOS

19. [1.1] NEHRKORN, Alexander. Search for Lepton Flavor Violation in Z and Higgs decays with the CMS Experiment. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 287, pp. 160-163., Registrované v: WOS

20. [1.1] PRUNA, Giovanni Marco - SIGNER, Adrian. Lepton-flavour violating decays in theories with dimension 6 operators. In INTERNATIONAL WORKSHOP ON FLAVOUR CHANGING AND CONSERVING PROCESSES 2015 (FCCP 2015). ISSN 2100-014X, 2016, vol. 118, art. no. 01031., Registrované v: WOS

21. [1.1] SUN, K.S. - CHEN, J.B. - YANG, X.Y. - CUI, S.K. LFV decays of Z boson in Minimal R-symmetric Supersymmetric Standard Model. In CHINESE PHYSICS C. ISSN 1674-1137, APR 2019, vol. 43, no. 4., Registrované v: WOS

ADCA1112 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Search for the neutral current top quark decay $t - Zc$ using the ratio of Z-boson+4 jets to W-boson+4 jets production. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2009, vol. 80, no. 5, art. no. 052001. (2008: 5.050 - IF, Q1 - JCR, 2.920 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.80.052001>

Ohlasy:

1. [1.1] DURIEUX, Gauthier - MALTONI, Fabio - ZHANG, Cen. Global approach to top-quark flavor-changing interactions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 7, art. no. 074017., Registrované v: WOS

ADCA1113 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at root s=7 TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2013,

vol. 2013, no. 2, art. no. 095. (2012: 5.618 - IF, 1.475 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP02\(2013\)095](https://doi.org/10.1007/JHEP02(2013)095)

Ohlasy:

1. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. - MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of heavy Higgs bosons decaying invisibly at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS

ADCA1114 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Search for the Production of Narrow $t(b)\overline{\text{bar}}$ Resonances in $1:9 \text{ fb}(-1)$ of $p(p)\overline{\text{bar}}$ Collisions at $\sqrt{s}=1.96 \text{ TeV}$. In *Physical Review Letters*, 2009, vol. 103, no. 4, art. no. 041801. (2008: 7.180 - IF, Q1 - JCR, 6.194 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.103.041801>

Ohlasy:

1. [1.1] DRUEKE, Elizabeth - NUTTER, Joseph - SCHWIENHORST, Reinhard - VIGNAROLI, Natascia - WALKER, Devin G. E. - YU, Jiang-Hao. Single top production as a probe of heavy resonances. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 054020., Registrované v: WOS

ADCA1115 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for the production of single vector-like and excited quarks in the Wt final state in pp collisions at $\sqrt{s}=8 \text{ TeV}$ with the ATLAS detector. In *Journal of High Energy Physics*, 2016, vol. 2016, no. 2, art. no. 110. (2015: 6.023 - IF, Q1 - JCR, 1.343 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP02\(2016\)110](https://doi.org/10.1007/JHEP02(2016)110)

Ohlasy:

1. [1.1] BERTUZZO, Enrico - MACHADO, Pedro A. N. - PEREZ-GONZALEZ, Yuber F. - FUNCHAL, Renata Zukanovich. Constraints from triple gauge couplings on vectorlike leptons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035035., Registrované v: WOS
2. [1.1] BOTELLA, Francisco J. - BRANCO, G. C. - NEBOT, Miguel - REBELO, M. N. - SILVA-MARCOS, J. I. Vector-like quarks at the origin of light quark masses and mixing. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 6, art. no. 408., Registrované v: WOS
3. [1.1] DAS, Kasinath - LI, Tianjun - NANDI, S. - RAI, Santosh Kumar. New signals for vector-like down-type quark in $U(1)$ of E-6. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 1, art. no. 35., Registrované v: WOS
4. [1.1] EASA, H. - GREGOIRE, T. - STOLARSKI, D. New limits on coloured three jet resonances. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 21 2020, no. 9., Registrované v: WOS
5. [1.1] FUKS, Benjamin - SHAO, Hua-Sheng. QCD next-to-leading-order predictions matched to parton showers for vector-like quark models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 2, art. no. 135., Registrované v: WOS
6. [1.1] SONG, J. - YOON, Y.W. W gamma decay of the elusive

charged Higgs boson in the two-Higgs-doublet model with vectorlike fermions. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 6 2019, vol. 100, no. 5., Registrované v: WOS

7. [1.1] ZHOU, H. - LIU, N. Polarization of top quark in vector-like quark decay. In PHYSICS LETTERS B. ISSN 0370-2693, APR 10 2019, vol. 791, p. 1-5., Registrované v: WOS

ADCA1116 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Search for the production of ZW and ZZ boson pairs decaying into charged leptons and jets in $p(\bar{p})$ collisions at $\sqrt{s}=1.96$ TeV. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2013, vol. 88, no. 9, art. no. 092002. (2012: 4.691 - IF, Q1 - JCR, 2.725 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.88.092002>

Ohlasy:

1. [1.1] ABRAHANTES, A. - ARGANDA, E. - PENARANDA, S. Top-quark polarization and asymmetries at the LHC in the effective description of squark interactions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 1, art. no. 37., Registrované v: WOS
2. [1.1] BROD, Joachim - DROBNÁK, Jure - KAGAN, Alexander L. - STAMOU, Emmanuel - ZUPAN, Jure. Stealth QCD-like strong interactions and the $t(\bar{t})$ asymmetry. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 9, art. no. 095009., Registrované v: WOS
3. [1.1] CZAKON, Michal - FIEDLER, Paul - MITOV, Alexander. Resolving the Tevatron Top Quark Forward-Backward Asymmetry Puzzle: Fully Differential Next-to-Next-to-Leading-Order Calculation. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 5, art. no. 052001., Registrované v: WOS
4. [1.1] DEL DUCA, Vittorio - LAENEN, Eric. Top physics at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 35, art. no. 1530063., Registrované v: WOS
5. [1.1] FRANZOSI, Diogo Buarque - ZHANG, Cen. Probing the top-quark chromomagnetic dipole moment at next-to-leading order in QCD. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 11, art. no. 114010., Registrované v: WOS
6. [1.1] GAULD, Rhorry - HAIŠCH, Ulrich - PECJAK, Ben D. - RE, Emanuele. Beauty-quark and charm-quark pair production asymmetries at LHCb. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 034007., Registrované v: WOS
7. [1.1] GAULD, Rhorry. Leptonic top quark asymmetry predictions at LHCb. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 054029., Registrované v: WOS
8. [1.1] GODBOLE, Rohini M. - MENDIRATTA, Gaurav - RINDANI, Saurabh D. Looking for BSM physics using top-quark polarization and decay-lepton kinematic asymmetries. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 094013., Registrované v: WOS
9. [1.1] KUEHN, J. H. - SCHARF, A. - UWER, P. Weak interactions in top-quark pair production at hadron colliders: An update. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 014020., Registrované v: WOS

10. [1.1] MURPHY, Christopher W. Bottom-quark forward-backward and charge asymmetries at hadron colliders. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 054003., Registrované v: WOS

ADCA1117 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for the Standard Model Higgs boson decay to $\mu^{+}\mu^{-}$ with the ATLAS detector. In *Physics Letters B*, 2014, vol. 738, p. 68-86. (2013: 6.019 - IF, Q1 - JCR, 3.707 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2014.09.008>

Ohlasy:

1. [1.1] ABDUSSALAM, S. - CABRERA, M.E. Revealing mass-degenerate states in Higgs boson signals. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 2019, vol. 79, no. 12., Registrované v: WOS
2. [1.1] ABDUSSALAM, S.S. Testing Higgs boson scenarios in the phenomenological NMSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 25 2019, vol. 79, no. 5., Registrované v: WOS
3. [1.1] ALONI, Daniel - NIR, Yoself - STAMOU, Emmanuel. Large $BR(h \rightarrow \tau \mu)$ in the MSSM? In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 162., Registrované v: WOS
4. [1.1] ALTMANNSHOFER, Wolfgang - GORI, Stefania - KAGAN, Alexander L. - SILVESTRINI, Luca - ZUPAN, Jure. Uncovering mass generation through Higgs flavor violation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 031301., Registrované v: WOS
5. [1.1] ALVARADO, Carlos - CAPDEVILLA, Rodolfo M. - DELGADO, Antonio - MARTIN, Adam. Minimal models of loop-induced lepton flavor violation in Higgs boson decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075010., Registrované v: WOS
6. [1.1] ARROYO-URENA, M. A. - DIAZ-CRUZ, J. L. - TAVARES-VELASCO, G. - BOLANOS, A. - HERNANDEZ-TOME, G. Searching for lepton flavor violating flavon decays at hadron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 1, art. no. 015008., Registrované v: WOS
7. [1.1] BAEK, Seungwon - TANDEAN, Jusak. Flavor-changing Higgs decays in grand unification with minimal flavor violation. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 12, art. no. 673., Registrované v: WOS
8. [1.1] BAUER, Martin - CARENA, Marcela - CARMONA, Adrian. Higgs Pair Production as a Signal of Enhanced Yukawa Couplings. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 2, art. no. 021801., Registrované v: WOS
9. [1.1] BERGSTROEM, Johannes - RIAD, Stella. Bayesian model comparison of Higgs couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 7, art. no. 075008., Registrované v: WOS
10. [1.1] BHATTACHERJEE, Biplob - CHAKRABORTY, Amit - CHOUDHURY, Arghya. Status of the MSSM Higgs sector using global analysis and direct search bounds, and future prospects at the High Luminosity LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 093007., Registrované v: WOS

11. [1.1] BIZOT, Nicolas - FRIGERIO, Michele. Fermionic extensions of the Standard Model in light of the Higgs couplings. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 1, art. no. 036., Registrované v: WOS
12. [1.1] CUI, Zhen-Wei - LI, Qiang - LI, Gang - RUAN, Man-Qi - WANG, Lei - YANG, Da-Neng. Measurement of $H \rightarrow \mu^+ \mu^-$ production in association with a Z boson at the CEPC. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 5, art. no. 053001., Registrované v: WOS
13. [1.1] DAVID, Andre - HEIKKILA, Jaana - PETRUCCIANI, Giovanni. Searching for degenerate Higgs bosons. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 2, art. no. 49., Registrované v: WOS
14. [1.1] DAWSON, S. - ENGLERT, C. - PLEHN, T. Higgs physics: It ain't over till it is over. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, JUL 3 2019, vol. 816, p. 1-85., Registrované v: WOS
15. [1.1] DELAUNAY, Cedric - OZERI, Roei - PEREZ, Gilad - SOREQ, Yotam. Probing atomic Higgs-like forces at the precision frontier. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 093001., Registrované v: WOS
16. [1.1] DUPUIS, Grace. Collider constraints and prospects of a scalar singlet extension to Higgs portal dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art. no. 008., Registrované v: WOS
17. [1.1] GHOSH, Diptimoy - GUPTA, Rick Sandeevan - PEREZ, Gilad. Is the Higgs mechanism of fermion mass generation a fact? A Yukawa-less first-two-generation model. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 755, pp. 504-508., Registrované v: WOS
18. [1.1] GUPTA, Arpit - PRIMULANDO, Reinard - SARASWAT, Prashant. A new probe of dark sector dynamics at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art. no. 079., Registrované v: WOS
19. [1.1] HE, Xiao-Gang - LEE, Chao-Jung - TANDEAN, Jusak - ZHENG, Juan. Seesaw models with minimal flavor violation. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 7, art. no. 076008., Registrované v: WOS
20. [1.1] HE, Xiao-Gang - TANDEAN, Jusak - ZHENG, Ya-Juan. Higgs decay $h \rightarrow \mu \tau$ with minimal flavor violation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, pp. 1-18., Registrované v: WOS
21. [1.1] HE, Xiao-Gang. Seesaw models with minimal flavor violation. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 11, art. no. 1530028., Registrované v: WOS
22. [1.1] CHECCHIA, Paolo. Implications of a 125 GeV Higgs boson. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 7, art. no. 1530003., Registrované v: WOS
23. [1.1] LEE, Chao-Jung - TANDEAN, Jusak. Lepton-flavored scalar dark matter with minimal flavor violation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 4, art. no. 174., Registrované v: WOS
24. [1.1] LENZ, Alexander - SPANNOVSKY, Michael - TETLALMATZI-XOLOCOTZI, Gilberto. Double-charming Higgs boson

- identification using machine-learning assisted jet shapes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 016001., Registrované v: WOS
25. [1.1] MARIOTTI, Chiara - PASSARINO, Giampiero. Higgs boson couplings: Measurements and theoretical interpretation. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 4, art. no. 1730003., Registrované v: WOS
26. [1.1] MA, Ernest. Progressive gauge U(1) family symmetry for quarks and leptons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 031701., Registrované v: WOS
27. [1.1] PEREZ, Gilad - SOREQ, Yotam - STAMOU, Emmanuel - TOBIOKA, Kohsaku. Constraining the charm Yukawa and Higgs-quark coupling universality. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 033016., Registrované v: WOS
28. [1.1] PEREZ, Gilad - SOREQ, Yotam - STAMOU, Emmanuel - TOBIOKA, Kohsaku. Prospects for measuring the Higgs boson coupling to light quarks. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1., Registrované v: WOS
29. [1.1] SIROIS, Yves. Discovery and Measurements of the H Boson with ATLAS and CMS Experiments at the LHC. In H BOSON, 2017, vol. 72, pp. 21-50., Registrované v: WOS
30. [1.1] YU, Felix. Phenomenology of enhanced light quark Yukawa couplings and the $W^{(\pm)}h$ charge asymmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 2, art. no. 083., Registrované v: WOS
31. [1.1] ZHOU, Yaofu. Constraining the Higgs boson coupling to light quarks in the $H \rightarrow ZZ$ final states. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 013019., Registrované v: WOS

ADCA1118 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for the standard model Higgs boson produced in association with top quarks and decaying into a $b(b)\overline{b}$ pair in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Physical Review D*, 2018, vol. 97, no. 7, art. no. 072016. (2017: 4.394 - IF, Q1 - JCR, 1.801 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.97.072016>

Ohlasy:

1. [1.1] ALTMANNSHOFER, Wolfgang - MADDOCK, Brian. Flavorful two-Higgs-doublet models with a twist. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075005., Registrované v: WOS
2. [1.1] ARHRIB, A. - BENBRIK, R. - HAROUIZ, H. - MORETTI, S. - WANG, Y. - YAN, Q.S. Implications of a light charged Higgs boson at the LHC run III in the 2HDM. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 30 2020, vol. 102, no. 11., Registrované v: WOS
3. [1.1] ARHRIB, A. - BENBRIK, R. - HAROUIZ, H. - MORETTI, S. - ROUCHAD, A. A Guidebook to Hunting Charged Higgs Bosons at the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, MAR 10 2020, vol. 8., Registrované v: WOS

4. [1.1] BAGNASCHI, E. - BAHL, H. - FUCHS, E. - HAHN, T. - HEINEMEYER, S. - LIEBLER, S. - PATEL, S. - SLAVICH, P. - STEFANIAK, T. - WAGNER, C.E.M. - WEIGLEIN, G. MSSM Higgs boson searches at the LHC: benchmark scenarios for Run 2 and beyond. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 20 2019, vol. 79, no. 7., Registrované v: WOS
5. [1.1] BAHL, H. - LIEBLER, S. - STEFANIAK, T. MSSM Higgs benchmark scenarios for Run 2 and beyond: the low tan region. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS
6. [1.1] BIEKOTTER, A. - CORBETT, T. - PLEHN, T. The Gauge-Higgs legacy of the LHC run II. In SCIPOST PHYSICS. ISSN 2542-4653, JUN 2019, vol. 6, no. 6., Registrované v: WOS
7. [1.1] BROCHET, S. - DELAERE, C. - FRANCOIS, B. - LEMAITRE, V. - MERTENS, A. - SAGGIO, A. - MARONO, M.V. - WERTZ, S. MoMEMta, a modular toolkit for the Matrix Element Method at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 11 2019, vol. 79, no. 2., Registrované v: WOS
8. [1.1] DONATO, S. Search and measurement of the SM Higgs boson. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2018, vol. 41, no. 4, art. no. 156., Registrované v: WOS
9. [1.1] FAROUGHY, D.A. - KAMENIK, J.F. - KOSNIK, N. - SMOLKOVIC, A. Probing the C P nature of the top quark Yukawa at hadron colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 13 2020, no. 2., Registrované v: WOS
10. [1.1] KRAML, S. - LOC, T.Q. - NHUNG, D.T. - NINH, L.D. Constraining new physics from Higgs measurements with Lilith: update to LHC Run 2 results. In SCIPOST PHYSICS. ISSN 2542-4653, OCT 2019, vol. 7, no. 4., Registrované v: WOS
11. [1.1] PISCOPO, M.L. - SPANNOWSKY, M. - WAITE, P. Solving differential equations with neural networks: Applications to the calculation of cosmological phase transitions. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 9 2019, vol. 100, no. 1., Registrované v: WOS
12. [1.1] RIDOLFI, G. - UBIALI, M. - ZARO, M. A fragmentation-based study of heavy quark production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 31 2020, no. 1., Registrované v: WOS

ADCA1119 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for the Standard Model Higgs boson produced in association with top quarks and decaying into in collisions at with the ATLAS detector. In *European Physical Journal C*, 2015, vol. 75, no. 7, art. no. 349. (2014: 5.084 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na:
<https://doi.org/10.1140/epjc/s10052-015-3543-1>

Ohlasy:

1. [1.1] ABDUSSALAM, S. - CABRERA, M.E. Revealing mass-degenerate states in Higgs boson signals. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 2019, vol. 79, no. 12., Registrované v:

WOS

2. [1.1] ABDUSSALAM, S.S. Testing Higgs boson scenarios in the phenomenological NMSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 25 2019, vol. 79, no. 5., Registrované v: WOS
3. [1.1] BIAN, Ligong - LEE, Hyun Min - PARK, Chan Beom. B-meson anomalies and Higgs physics in flavored U(1)' model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 306., Registrované v: WOS
4. [1.1] BIONDI, Silvia. Study of the associated production of the Higgs boson with a top quark pair in a boosted regime in the ATLAS experiment. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 11, art. no. 462., Registrované v: WOS
5. [1.1] BROCHET, S. - DELAERE, C. - FRANCOIS, B. - LEMAITRE, V. - MERTENS, A. - SAGGIO, A. - MARONO, M.V. - WERTZ, S. MoMEMta, a modular toolkit for the Matrix Element Method at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 11 2019, vol. 79, no. 2., Registrované v: WOS
6. [1.1] BUCKLEY, Matthew R. - FELD, David. Dark matter in leptophilic Higgs models after the LHC run I. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 7, art. no. 075024., Registrované v: WOS
7. [1.1] BUCKLEY, Matthew R. - GONCALVES, Dorival. Boosting the Direct CP Measurement of the Higgs-Top Coupling. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 9, art. no. 091801., Registrované v: WOS
8. [1.1] COOPER, Katelyn M. - KRIEG, Anna - BROWNELL, Sara E. Who perceives they are smarter? Exploring the influence of student characteristics on student academic self-concept in physiology. In ADVANCES IN PHYSIOLOGY EDUCATION. ISSN 1043-4046, 2018, vol. 42, no. 2, pp. 200-208., Registrované v: WOS
9. [1.1] DAWSON, S. - ENGLERT, C. - PLEHN, T. Higgs physics: It ain't over till it is over. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, JUL 3 2019, vol. 816, p. 1-85., Registrované v: WOS
10. [1.1] DE BLAS, Jorge - EBERHARDT, Otto - KRAUSE, Claudius. Current and future constraints on Higgs couplings in the nonlinear Effective Theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 048., Registrované v: WOS
11. [1.1] ENGLERT, C. - GALLER, P. - HARRIS, P. - SPANNOWSKY, M. Machine learning uncertainties with adversarial neural networks. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 3 2019, vol. 79, no. 1., Registrované v: WOS
12. [1.1] FALKOWSKI, Adam - GONZALEZ-ALONSO, Martin - GRELJO, Admir - MARZOCCA, David. Global Constraints on Anomalous Triple Gauge Couplings in the Effective Field Theory Approach. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 1, art. no. 011801., Registrované v: WOS
13. [1.1] GONCALVES, Dorival - LPEZ-VAL, David. Pseudoscalar searches with dileptonic tops and jet substructure. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 095005., Registrované v: WOS
14. [1.1] GONCALVES, Dorival - KRAUSS, Frank - LINTEN, Robin.

Distinguishing b-quark and gluon jets with a tagged b hadron. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 053013., Registrované v: WOS

15. [1.1] GUTIERREZ, Nicolas. Inclusive production of $H \rightarrow b\bar{b}$ plus a recoil for the LHC Run-II. In EPL. ISSN 0295-5075, 2016, vol. 115, no. 1, art. no. 11002., Registrované v: WOS

16. [1.1] JIANG, X.M. - CAI, C.F. - YU, Z.H. - ZENG, Y.P. - ZHANG, H.H. Pseudo-Nambu-Goldstone dark matter and two-Higgs-doublet models. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 10 2019, vol. 100, no. 7., Registrované v: WOS

17. [1.1] KULESZA, Anna - MOTYKA, Leszek - STEBEL, Tomasz - THEEUWES, Vincent. Associated $t\bar{t}$ production at the LHC: Theoretical predictions at NLO plus NNLL accuracy. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 114007., Registrované v: WOS

18. [1.1] KULESZA, A. - MOTYKA, L. - SCHWARTLANDER, D. - STEBEL, T. - THEEUWES, V. Associated top quark pair production with a heavy boson: differential cross sections at NLO plus NNLL accuracy. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 15 2020, vol. 80, no. 5., Registrované v: WOS

19. [1.1] LI, Jinmian - SI, Zong-guo - WU, Lei - YUE, Jason. Central-edge asymmetry as a probe of Higgs-top coupling in $t\bar{t}$ production at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 779, pp. 72-76., Registrované v: WOS

20. [1.1] MORETTI, Niccolo - PETROV, Petar - POZZORINI, Stefano - SPANNOVSKY, Michael. Measuring the signal strength in $t\bar{t}$ with $H \rightarrow b\bar{b}$. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 014019., Registrované v: WOS

21. [1.1] SCHULZE, Markus - SOREQ, Yotam. Pinning down electroweak dipole operators of the top quark. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 8, art. no. 466., Registrované v: WOS

22. [1.1] WERTZ, Sebastien. The Matrix Element Method in the LHC era. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 11010., Registrované v: WOS

ADCA1120 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCÉI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for the Standard Model Higgs boson in the $H \rightarrow WW^{(*)} \rightarrow l\nu l\nu$ decay mode with 4.7 fb⁻¹ of ATLAS data at $\sqrt{s}=7$ TeV. In *Physics Letters B*, 2012, vol. 716, no. 1, p. 62-81. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] ARPINO, L. - BANFI, A. - JAGER, S. - KAUER, N. BSM WW production with a jet veto. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 13 2019, no. 8., Registrované v: WOS

2. [1.1] BIEDERMANN, B. - BILLONI, M. - DENNER, A. - DITTMAYER, S. - HOFER, L. - JAEGER, B. - SALFELDER, L. Next-to-leading-order electroweak corrections to $pp \rightarrow W+W \rightarrow 4$ leptons at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no.

- 6, art. no. 065., Registrované v: WOS
3. [1.1] BOUGHEZAL, Radja - FOCKE, Christfried - LIU, Xiaohui. Jet vetoes versus giant K factors in the exclusive Z+1-jet cross section. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 094002., Registrované v: WOS
4. [1.1] DAS, Arindam. Searching for the Minimal Seesaw Models at the LHC and Beyond. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2018, art. no. 9785318., Registrované v: WOS
5. [1.1] DE CURTIS, Stefania - MORETTI, Stefano - YAGYU, Kei - YILDIRIM, Emine. Single and double SM-like Higgs boson production at future electron-positron colliders in composite 2HDMs. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095026., Registrované v: WOS
6. [1.1] DEMIDOV, Sergei - SOBOLEV, Ivan. Sgoldstino physics and flavor-violating Higgs boson decays. In 19TH INTERNATIONAL SEMINAR ON HIGH ENERGY PHYSICS (QUARKS-2016). ISSN 2100-014X, 2016, vol. 125, art. no. UNSP 02017., Registrované v: WOS
7. [1.1] DEMIDOV, S. V. - SOBOLEV, I. V. Lepton flavor-violating decays of the Higgs boson from sgoldstino mixing. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 8, art. no. 030., Registrované v: WOS
8. [1.1] GROULD, M. - MELIANI, Z. - VINCENT, F. H. - GRANDCLEMENT, P. - GOURGOULHON, E. Comparing timelike geodesics around a Kerr black hole and a boson star. In CLASSICAL AND QUANTUM GRAVITY. ISSN 0264-9381, 2017, vol. 34, no. 21, art. no. 215007., Registrované v: WOS
9. [1.1] KROLL, I. Joseph. Search for $H \rightarrow WW^{(*)\gamma}$. In ROAD TO DISCOVERY: DETECTOR ALIGNMENT, ELECTRON IDENTIFICATION, PARTICLE MISIDENTIFICATION, WW PHYSICS, AND THE DISCOVERY OF THE HIGGS BOSON. ISSN 2190-5053, 2015, pp. 229-270., Registrované v: WOS
10. [1.1] KROLL, I. Joseph. The Road to Discovery Detector Alignment, Electron Identification, Particle Misidentification, WW Physics, and the Discovery of the Higgs Boson Preface. In ROAD TO DISCOVERY: DETECTOR ALIGNMENT, ELECTRON IDENTIFICATION, PARTICLE MISIDENTIFICATION, WW PHYSICS, AND THE DISCOVERY OF THE HIGGS BOSON. ISSN 2190-5053, 2015, pp. XI-XV., Registrované v: WOS
11. [1.1] KROLL, I. Joseph. WW Physics. In ROAD TO DISCOVERY: DETECTOR ALIGNMENT, ELECTRON IDENTIFICATION, PARTICLE MISIDENTIFICATION, WW PHYSICS, AND THE DISCOVERY OF THE HIGGS BOSON. ISSN 2190-5053, 2015, pp. 129-149., Registrované v: WOS
12. [1.1] NAIMUDDIN, Md - MALHOTRA, Shivali. The model-independent analysis for Higgs boson. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2016, vol. 87, no. 3, art. no. 36., Registrované v: WOS

ADCA1121 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for the Standard Model Higgs boson produced in association with a vector boson and decaying to a b-quark pair with the ATLAS detector. In *Physics Letters B*, 2012, vol.

718, no. 2, p. 369-390. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] FERRERA, Giancarlo - GRAZZINI, Massimiliano - TRAMONTANO, Francesco. Associated ZH production at hadron colliders: The fully differential NNLO QCD calculation. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 740, pp. 51-55., Registrované v: WOS
2. [1.1] GIOVANNELLI, F. - SABAU-GRAZIATI, L. FRONTIER RESEARCH IN ASTROPHYSICS: AN UPDATED REVIEW. In V WORKSHOP ON ROBOTIC AUTONOMOUS OBSERVATORIES, 2017. ISSN 1405-2059, 2019, vol. 51, p. 66-88., Registrované v: WOS
3. [1.1] GOULD, R. - GEHRMANN-DE RIDDER, A. - GLOVER, E.W.N. - HUSS, A. - MAJER, I. Associated production of a Higgs boson decaying into bottom quarks and a weak vector boson decaying leptonically at NNLO in QCD. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 3 2019, no. 10., Registrované v: WOS
4. [1.1] GRELJO, Admir - ISIDORI, Gino - LINDERT, Jonas M. - MARZOCCA, David. Pseudo-observables in electroweak Higgs production. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 3, art. no. 158., Registrované v: WOS
5. [1.1] ZHAO, Shi-Yu - YUE, Chong-Xing - YU, You. The HZZ' Coupling and the Higgs-Strahlung Production $pp \rightarrow ZH$ at the LHC. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 2, pp. 648-657., Registrované v: WOS

ADCA1122 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for the Standard Model Higgs boson produced by vector-boson fusion in 8 TeV pp collisions and decaying to bottom quarks with the ATLAS detector. In *Journal of High Energy Physics*, 2016, vol. 2016, no. 11, art. no. 112. (2015: 6.023 - IF, Q1 - JCR, 1.343 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP11\(2016\)112](https://doi.org/10.1007/JHEP11(2016)112)

Ohlasy:

1. [1.1] BHAT, Pushpalatha C. - PROSPER, Harrison B. - SEKMEN, Sezen - STEWART, Chip. Optimizing event selection with the random grid search. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 228, pp. 245-257., Registrované v: WOS
2. [1.1] DAWSON, S. - ENGLERT, C. - PLEHN, T. Higgs physics: It ain't over till it is over. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, JUL 3 2019, vol. 816, p. 1-85., Registrované v: WOS
3. [1.1] DEUTSCHMANN, N. - MALTONI, F. - WIESEMANN, M. - ZARO, M. Top-Yukawa contributions to bbH production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 10 2019, no. 7., Registrované v: WOS

ADCA1123 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for the Standard Model Higgs Boson in the Diphoton Decay Channel with 4.9 fb⁻¹ of pp

Collision Data at root s=7 TeV with ATLAS. In *Physical Review Letters*, 2012, vol. 108, no. 11, art. no. 111803. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.108.111803>

Ohlasy:

1. [1.1] CUTAS, Daniela - SHAW, David. Writers Blocked: On the Wrongs of Research Co-authorship and Some Possible Strategies for Improvement. In *SCIENCE AND ENGINEERING ETHICS*. ISSN 1353-3452, 2015, vol. 21, no. 5, pp. 1315-1329., Registrované v: WOS
2. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS
3. [1.1] DUPUIS, Grace. Collider constraints and prospects of a scalar singlet extension to Higgs portal dark matter. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2016, no. 7, art. no. 008., Registrované v: WOS
4. [1.1] HUANG, Peisi - ISMAIL, Ahmed - LOW, Ian - WAGNER, Carlos E. M. Same-sign dilepton excesses and light top squarks. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 075035., Registrované v: WOS
5. [1.1] HUITU, K. A minimal supersymmetric left-right model, dark matter and signals at the LHC. In *EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS*. ISSN 1951-6355, DEC 2020, vol. 229, no. 21, SI, p. 3187-3203., Registrované v: WOS
6. [1.1] CHOI, Yong-Dae - YUN, Hee-Joong. Vectorial polarization modes platform realized with Jones vectors in mathematica. In *JOURNAL OF THE KOREAN PHYSICAL SOCIETY*. ISSN 0374-4884, 2015, vol. 67, no. 5, pp. 792-799., Registrované v: WOS
7. [1.1] KRASNOPOLSKY, S. - MAROM, L. - VICTOR, R.A. - KUZMINA, A. - SCHWARTZ, J.C. - FUJINAGA, K. - TAUBE, R. Fused in sarcoma silences HIV gene transcription and maintains viral latency through suppressing AFF4 gene activation. In *RETROVIROLOGY*. ISSN 1742-4690, JUN 25 2019, vol. 16., Registrované v: WOS
8. [1.1] NAIMUDDIN, Md - MALHOTRA, Shivali. The model-independent analysis for Higgs boson. In *PRAMANA-JOURNAL OF PHYSICS*. ISSN 0304-4289, 2016, vol. 87, no. 3, art. no. 36., Registrované v: WOS

ADCA1124 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABELOOS, B. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for the Standard Model Higgs boson decaying into b(b)over-bar produced in association with top quarks decaying hadronically in pp collisions at root s=8 TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2016, vol. 2016, no. 5, art. no. 160. (2015: 6.023 - IF, Q1 - JCR, 1.343 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP05\(2016\)160](https://doi.org/10.1007/JHEP05(2016)160)

Ohlasy:

1. [1.1] DAWSON, S. - ENGLERT, C. - PLEHN, T. Higgs physics: It ain't over till it is over. In *PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS*. ISSN 0370-1573, JUL 3 2019, vol. 816, p. 1-85.,

Registrované v: WOS

2. [1.1] ENGLERT, C. - JAECKEL, J. - SPANNOVSKY, M. - STYLIANOU, P. Power meets precision to explore the symmetric Higgs portal. In PHYSICS LETTERS B. ISSN 0370-2693, JUL 10 2020, vol. 806.,

Registrované v: WOS

3. [1.1] KUDASHKIN, Kirill - LINDERT, Jonas M. - MELNIKOV, Kirill - WEVER, Christopher. Higgs bosons with large transverse momentum at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 782, pp. 210-214., Registrované v: WOS

ADCA1125 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for the Standard Model Higgs boson in the decay channel $H \rightarrow ZZ^{(*)}$ - 4l with the ATLAS detector. In *Physics Letters B*, 2012, vol. 705, no. 5, p. 435-451. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2011.10.034>

Ohlasy:

1. [1.1] GAINER, James S. - GONZALEZ-ALONSO, Martn - GRELJO, Admir - ISAKOVIC, Senad - ISIDORI, Gino - KORYTOV, Andrey - LYKKEN, Joseph - MARZOCCA, David - MATCHEV, Konstantin T. - MILENOVIC, Predrag - MITSELMAKHER, Guenakh - MRENNNA, Stephen - PARK, Myeonghun - RINKEVICIUS, Aurelijus - SELIMOVIC, Nudzeim. Adding pseudo-observables to the four-lepton experimentalist's toolbox. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 073., Registrované v: WOS

ADCA1126 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for the Standard Model Higgs boson in the decay channel $H \rightarrow ZZ^{(*)}$ - 4l with 4.8 fb⁻¹ of pp collision data at root s=7 TeV with ATLAS. In *Physics Letters B*, 2012, vol. 710, no. 3, p. 383-402. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2012.03.005>

Ohlasy:

1. [1.1] BECHTLE, P. - DERCKES, D. - HEINEMEYER, S. - KLINGL, T. - STEFANIAK, T. - WEIGLEIN, G. - WITTBRODT, J. HiggsBounds-5: testing Higgs sectors in the LHC 13 TeV Era. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 2020, vol. 80, no. 12., Registrované v: WOS

2. [1.1] DUPUIS, Grace. Collider constraints and prospects of a scalar singlet extension to Higgs portal dark matter. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 7, art. no. 008., Registrované v: WOS

3. [1.1] GAINER, James S. - GONZALEZ-ALONSO, Martn - GRELJO, Admir - ISAKOVIC, Senad - ISIDORI, Gino - KORYTOV, Andrey - LYKKEN, Joseph - MARZOCCA, David - MATCHEV, Konstantin T. - MILENOVIC, Predrag - MITSELMAKHER, Guenakh - MRENNNA, Stephen - PARK, Myeonghun - RINKEVICIUS, Aurelijus - SELIMOVIC, Nudzeim. Adding pseudo-observables to the four-lepton experimentalist's toolbox. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art.

no. 073., Registrované v: WOS

4. [1.1] KAUER, Nikolas - O'BRIEN, Claire. Heavy Higgs signal-background interference in $gg \rightarrow VV$ in the Standard Model plus real singlet. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2015, vol. 75, no. 8, art. no. 374., Registrované v: WOS

5. [1.1] NAIMUDDIN, Md - MALHOTRA, Shivali. The model-independent analysis for Higgs boson. In *PRAMANA-JOURNAL OF PHYSICS*. ISSN 0304-4289, 2016, vol. 87, no. 3, art. no. 36., Registrované v: WOS

ADCA1127 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for the X-b and other hidden-beauty states in the $\pi^+\pi^-\gamma(1S)$ channel at ATLAS. In *Physics Letters B*, 2015, vol. 740, p. 199-217. (2014: 6.131 - IF, Q1 - JCR, 3.562 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2014.11.055>

Ohlasy:

1. [1.1] BRAMBILLA, N. - EIDELMAN, S. - HANHART, C. - NEFEDIEV, A. - SHEN, C.P. - THOMAS, C.E. - VAIRO, A. - YUAN, C.Z. The XYZ states: Experimental and theoretical status and perspectives. In *PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS*. ISSN 0370-1573, AUG 20 2020, vol. 873, p. 1-154., Registrované v: WOS

2. [1.1] ENTEM, D.R. - ORTEGA, P.G. - SEGOVIA, J. - FERNANDEZ, F. Heavy mesons in the Quark Model. In *MESON 2018 - 15TH INTERNATIONAL WORKSHOP ON MESON PHYSICS*. ISSN 2100-014X, 2019, vol. 199., Registrované v: WOS

3. [1.1] ESPOSITO, A. - PILLONI, A. - POLOSA, A. D. Multiquark resonances. In *PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS*. ISSN 0370-1573, 2017, vol. 668, pp. 1-97., Registrované v: WOS

4. [1.1] GIACOSA, F. - PIOTROWSKA, M. - COITO, S. $X(3872)$ as virtual companion pole of the charm-anticharm state $\chi(c1)(2P)$. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, OCT 20 2019, vol. 34, no. 29., Registrované v: WOS

5. [1.1] GIRON, J.F. - LEBED, R.F. Spectrum of the hidden-bottom and the hidden-charm-strange exotics in the dynamical diquark model. In *PHYSICAL REVIEW D*. ISSN 1550-7998, JUL 21 2020, vol. 102, no. 1., Registrované v: WOS

6. [1.1] ZHOU, Z.Y. - CHEN, D.Y. - XIAO, Z.G. Does the bottomonium counterpart of $X(3872)$ exist?. In *PHYSICAL REVIEW D*. ISSN 2470-0010, FEB 13 2019, vol. 99, no. 3., Registrované v: WOS

ADCA1128 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for third generation scalar leptoquarks in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2013, vol. 2013, no. 6, art. no. 033. (2012: 5.618 - IF, 1.475 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP06\(2013\)033](https://doi.org/10.1007/JHEP06(2013)033)

Ohlasy:

1. [1.1] EVANS, Jason L. - NAGATA, Natsumi. Signatures of leptoquarks at the LHC and right-handed neutrinos. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 1, art. no. 015022., Registrované v: WOS
2. [1.1] CHEUNG, Kingman - KEUNG, Wai-Yee - TSENG, Po-Yan. Leptoquark induced rare decay amplitudes $h \rightarrow \tau(-/+)\mu(+/-)$ and $\tau \rightarrow \mu \gamma$. In PHYSICAL REVIEW D. ISSN 1550-7998, 2016, vol. 93, no. 1, art. no. 015010., Registrované v: WOS
3. [1.1] LESKOW, Estefania Coluccio - D'AMBROSIO, Giancarlo - CRIVELLIN, Andreas - MUELLER, Dario. $(g-2)(\mu)$, lepton flavor violation, and Z decays with leptoquarks: Correlations and future prospects. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055018., Registrované v: WOS
4. [1.1] LUTH, Vera. A challenge to lepton universality in B meson decays. In HYPERFINE INTERACTIONS. ISSN 0304-3843, 2018, vol. 239, art. no. 59., Registrované v: WOS
5. [1.1] MANDAL, Tanumoy - MITRA, Subhadip - SETH, Satyajit. Pair production of scalar leptoquarks at the LHC to NLO parton shower accuracy. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, art. no. 035018., Registrované v: WOS
6. [1.1] PIKIES, Malgorzata. SELECTED MEASUREMENTS OF RARE DECAYS AT THE LHCb EXPERIMENT. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 6, pp. 1705-1711., Registrované v: WOS
7. [1.1] PREM, B. Private Military and Security Companies as Legitimate Governors: From Barricades to Boardrooms. In PRIVATE MILITARY AND SECURITY COMPANIES AS LEGITIMATE GOVERNORS: FROM BARRICADES TO BOARDROOMS. 2020, p. 1-253., Registrované v: WOS
8. [1.1] TSENG, H.Y.K. Protect the unprotected: the escaping North Korean issue and China's dual dilemma of theoretical enlightenment and operational trial. In PACIFIC REVIEW. ISSN 0951-2748, JUL 4 2019, vol. 32, no. 4, p. 505-536., Registrované v: WOS

ADCA1129 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for top and bottom squarks from gluino pair production in final states with missing transverse energy and at least three b-jets with the ATLAS detector. In *European Physical Journal C*, 2012, vol. 72, no. 10, art. no. 2174. (2011: 3.631 - IF, Q2 - JCR, 2.962 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1434-6044.

Ohlasy:

1. [1.1] BARTL, A. - EBERL, H. - GININA, E. - HIDAKA, K. - MAJEROTTO, W. $h(0) \rightarrow c(c)\text{over-bar}$ as a test case for quark flavor violation in the MSSM. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 015007., Registrované v: WOS
2. [1.1] BERGGREN, M. - CAKIR, A. - KRUECKER, D. - LIST, J. - MELZER-PELLMANN, I.A. - SAMANI, B. Safarzadeh - SEITZ, C. - WAYAND, S. Non-simplified SUSY: $(\tau)\text{over-tilde-coannihilation}$ at LHC and

ILC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, art. no. 183., Registrované v: WOS

ADCA1130 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for top quark decays $t \rightarrow q H$ with $H \rightarrow \gamma \gamma$ using the ATLAS detector. In *Journal of High Energy Physics*, 2014, vol. 2014, no. 6, art. no. 008. (2013: 6.220 - IF, Q1 - JCR, 1.173 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP06\(2014\)008](https://doi.org/10.1007/JHEP06(2014)008)

Ohlasy:

1. [1.1] ALVES, Joao M. - BOTELLA, Francisco J. - BRANCO, Gustavo C. - CORNET-GOMEZ, Fernando - NEBOT, Miguel. Controlled flavour changing neutral couplings in two Higgs Doublet models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 9, art. no. 585., Registrované v: WOS
2. [1.1] BELUSCA-MAITO, Hermes - FALKOWSKI, Adam. On the exotic Higgs decays in effective field theory. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 9, art. no. 514., Registrované v: WOS
3. [1.1] BOTELLA, F. J. - BRANCO, G. C. - NEBOT, M. - REBELO, M. N. Flavour-changing Higgs couplings in a class of two Higgs doublet models. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 3, art. no. 161., Registrované v: WOS
4. [1.1] CARCAMO HERNANDEZ, A. E. - MARTINEZ, R. - OCHOA, F. Fermion masses and mixings in the 3-3-1 model with right-handed neutrinos based on the S-3 flavor symmetry. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 11, art. no. 634., Registrované v: WOS
5. [1.1] CARCAMO HERNANDEZ, A. E. - DE MEDEIROS VARZIELAS, I. - SCHUMACHER, E. Fermion and scalar phenomenology of a two-Higgs-doublet model with S-3. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 016003., Registrované v: WOS
6. [1.1] DAVIDSON, Sacha - MANGANO, Michelangelo L. - PERRIES, Stephane - SORDINI, Viola. Lepton flavour violating top decays at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 450., Registrované v: WOS
7. [1.1] DEY, Ujjal Kumar - JHA, Tapoja. Rare top decays in minimal and nonminimal universal extra dimension models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 056011., Registrované v: WOS
8. [1.1] DIAZ-CRUZ, J. Lorenzo - SALDANA-SALAZAR, Ulises J. Higgs couplings and new signals from Flavon-Higgs mixing effects within multi-scalar models. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 913, pp. 942-963., Registrované v: WOS
9. [1.1] DURIEUX, Gauthier - MALTONI, Fabio - ZHANG, Cen. Global approach to top-quark flavor-changing interactions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 7, art. no. 074017., Registrované v: WOS
10. [1.1] GOLDOUZIAN, Reza. Search for top quark flavor changing neutral currents in same-sign top quark production. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 014022., Registrované v: WOS

11. [1.1] HESARI, Hoda - KHANPOUR, Hamzeh - NAJAFABADI, Mojtaba Mohammadi. Direct and indirect searches for top-Higgs FCNC couplings. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 113012., Registrované v: WOS
12. [1.1] HOU, W.S. - HSU, T.H. - MODAK, T. Constraining the $t \rightarrow u$ flavor changing neutral Higgs coupling at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 9 2020, vol. 102, no. 5., Registrované v: WOS
13. [1.1] CHECCHIA, Paolo. Implications of a 125 GeV Higgs boson. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 7, art. no. 1530003., Registrované v: WOS
14. [1.1] KAGAN, Alexander L. - PEREZ, Gilad - PETRIELLO, Frank - SOREQ, Yotam - STOYNEV, Stoyan - ZUPAN, Jure. Exclusive Window onto Higgs Yukawa Couplings. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 10, art. no. 101802., Registrované v: WOS
15. [1.1] KHANPOUR, Hamzeh - KHATIBI, Sara - YANEHSARI, Morteza Khatiri - NAJAFABADI, Mojtaba Mohammadi. Single top quark production as a probe of anomalous tq gamma and tqZ couplings at the FCC-ee. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 775, pp. 25-31., Registrované v: WOS
16. [1.1] LIEBLER, Stefan. Neutral Higgs production at proton colliders in the CP-conserving NMSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 210., Registrované v: WOS
17. [1.1] NEBOT, Miguel. Phenomenological prospects for two Higgs doublet models with controlled FCNC. In FIFTH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES. ISSN 1742-6588, 2017, vol. 873, art. no. UNSP 012038., Registrované v: WOS
18. [1.1] SHI, L.S. - ZHANG, C. Probing the top quark flavor-changing couplings at CEPC * * Supported by CNRS via the LIA FCPPL, by the CEPC theory study grant, and by IHEP (Y7515540U1). In CHINESE PHYSICS C. ISSN 1674-1137, NOV 2019, vol. 43, no. 11., Registrované v: WOS
19. [1.1] SUN, Hao - LUO, Xuan - LI, Jing. Exploring the anomalous top-Higgs FCNC couplings at the electron proton colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 281., Registrované v: WOS
20. [1.1] YANG, Bing-Fang - LIU, Zhi-Yong - LIU, Ning. Rare Higgs three body decay induced by top-Higgs FCNC coupling in the littlest Higgs model with T-parity. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 4, art. no. 043103., Registrované v: WOS
21. [1.1] ZHANG YAN-MING - LIU NING. SUSY-QCD Effects in Top Quark Pair Production in Association with a Gluon at the ILC. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2015, vol. 64, no. 2, pp. 166-170., Registrované v: WOS

ADCA1131 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for top quark decays $t \rightarrow qH$, with $H \rightarrow \gamma\gamma$, in $\sqrt{s}=13$ TeV pp collisions using the ATLAS detector. In *Journal of High Energy Physics*, 2017, no. 10, art. no. 129. (2016: 6.063 - IF, Q1 - JCR, 1.163 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP10\(2017\)129](https://doi.org/10.1007/JHEP10(2017)129)

Ohlasy:

1. [1.1] ALTMANNSHOFER, Wolfgang - MADDOCK, Brian. Flavorful two-Higgs-doublet models with a twist. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075005., Registrované v: WOS
2. [1.1] BADZIAK, Marcin - HARIGAYA, Keisuke. Asymptotically Free Natural Supersymmetric Twin Higgs Model. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 21, art. no. 211803., Registrované v: WOS
3. [1.1] FUYUTO, Kaori - HOU, Wei-Shu - SENAHA, Eibun. Electroweak baryogenesis driven by extra top Yukawa couplings. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 776, pp. 402-406., Registrované v: WOS
4. [1.1] CHIANG, Cheng-Wei - FUKUDA, Hajime - TAKEUCHI, Michihisa - YANAGIDA, Tsutomu T. Current status of top-specific variant axion model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 035015., Registrované v: WOS
5. [1.1] JAIN, R. - KAO, C. Charming top decays with a flavor changing neutral Higgs boson and WW at hadron colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 27 2019, vol. 99, no. 5., Registrované v: WOS
6. [1.1] PAPAEFSTATHIOU, Andreas - TETLALMATZI-XOLOCOTZI, Gilberto. Rare top quark decays at a 100 TeV proton-proton collider: $t \rightarrow bWZ$ and $t \rightarrow hc$. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 214., Registrované v: WOS

ADCA1132 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in root $s=8$ TeV pp collisions with the ATLAS detector. In *Journal of High Energy Physics*, 2014, vol. 2014, no. 11, art. no. 118. (2013: 6.220 - IF, Q1 - JCR, 1.173 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP11\(2014\)118](https://doi.org/10.1007/JHEP11(2014)118)

Ohlasy:

1. [1.1] AEBISCHER, Jason - CRIVELLIN, Andreas - GREUB, Christoph. One-loop SQCD corrections to the decay of top squarks to charm and neutralino in the generic MSSM. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 3, art. no. 035010., Registrované v: WOS
2. [1.1] ALTMANNSHOFER, Wolfgang - STRAUB, David M. New physics in $b \rightarrow s$ transitions after LHC run 1. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 8, art. no. 382., Registrované v: WOS
3. [1.1] AMBROGI, Federico - KRAML, Sabine - KULKARNI, Suchita - LAA, Ursula - LESSA, Andre - WALTENBERGER, Wolfgang. On the coverage of the pMSSM by simplified model results. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 215., Registrované v: WOS
4. [1.1] AN, Haipeng - WANG, Lian-Tao. Opening Up the Compressed Region of Top Squark Searches at 13 TeV LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 18, art. no. 181602.,

Registrované v: WOS

5. [1.1] BAE, Kyu Jung - BAER, Howard - NAGATA, Natsumi - SERCE, Hasan. Prospects for Higgs coupling measurements in SUSY with radiatively-driven naturalness. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 3, art. no. 035006., Registrované v: WOS
6. [1.1] BERNIGAUD, J. - HERRMANN, B. First steps towards the reconstruction of the squark flavour structure. In SCIPOST PHYSICS. ISSN 2542-4653, JUN 2019, vol. 6, no. 6., Registrované v: WOS
7. [1.1] BEURIA, Jyotiranjana - DATA, Asesh Krishna - DEBNATH, Dipsikha - MATCHEV, Konstantin T. LHC collider phenomenology of minimal universal extra dimensions. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 226, pp. 187-205., Registrované v: WOS
8. [1.1] BLUM, Kfir - EFRATI, Aielet - FRUGIUELE, Claudia - NIR, Yosef. Exotic colored scalars at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 2, art. no. 104., Registrované v: WOS
9. [1.1] BURDMAN, Gustavo - CHACKO, Zackaria - HARNIK, Roni - DE LIMA, Leonardo - VERHAAREN, Christopher B. Colorless top partners, a 125 GeV Higgs boson, and the limits on naturalness. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055007., Registrované v: WOS
10. [1.1] COLLINS, Jack H. - DROR, Jeff Asaf - FARINA, Marco. Mixed stops and the ATLAS on-Z excess. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095022., Registrované v: WOS
11. [1.1] CRAIG, Nathaniel - KNAPEN, Simon - LONGHI, Pietro. Neutral Naturalness from Orbifold Higgs Models. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 6, art. no. 061803., Registrované v: WOS
12. [1.1] DERCKS, Daniel - DESAI, Nishita - KIM, Jong Soo - ROLBIECKI, Krzysztof - TATTERSALL, Jamie - WEBER, Torsten. CheckMATE 2: From the model to the limit. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2017, vol. 221, pp. 383-418., Registrované v: WOS
13. [1.1] DERCKS, Daniel - MOORTGAT-PICK, Gudrid - REUTER, Juergen - SHIM, So Young. The fate of the littlest Higgs model with T-parity under 13 TeV LHC data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 049., Registrované v: WOS
14. [1.1] DEUTSCHMANN, Nicolas - FLACKE, Thomas - KIM, Jong Soo. Current LHC constraints on minimal universal extra dimensions. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 771, pp. 515-520., Registrované v: WOS
15. [1.1] FERRETTI, Gabriele - FRANCESCHINI, Roberto - PETERSSON, Christoffer - TORRE, Riccardo. Monojetlike Searches for Top Squarks with a b Tag. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 20, art. no. 201801., Registrované v: WOS
16. [1.1] GROEBER, Ramona - MUEHLLEITNER, Margarete - POPENDA, Eva - WLOTZKA, Alexander. Light stop decays into $Wb(\chi)\overline{b}$ near the kinematic threshold. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 144-151., Registrované v: WOS
17. [1.1] HARIGAYA, Keisuke - YANAGIDA, Tsutomu T. - YOKOZAKI, Norimi. Higgs boson mass of 125 GeV and g-2 of the muon in a gaugino mediation model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015,

vol. 91, no. 7, art. no. 075010., Registrované v: WOS

18. [1.1] HUANG, Peisi - WAGNER, Carlos E. M. CMS kinematic edge from sbottoms. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 015014., Registrované v: WOS

19. [1.1] CHATTERJEE, Arindam - DUTTA, Juhi - RAI, Santosh Kumar. Natural SUSY at LHC with right-sneutrino LSP. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 042., Registrované v: WOS

20. [1.1] IBARRA, A. - PIERCE, A. - SHAH, N. R. - VOGL, S. Anatomy of coannihilation with a scalar top partner. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 9, art. no. 095018., Registrované v: WOS

21. [1.1] KATZ, Andrey - PERELSTEIN, Maxim - RAMSEY-MUSOLF, Michael J. - WINSLOW, Peter. Stop-catalyzed baryogenesis beyond the MSSM. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095019., Registrované v: WOS

22. [1.1] KOBAKHIDZE, Archil - TALIA, Matthew - WU, Lei. Probing the MSSM explanation of the muon $g-2$ anomaly in dark matter experiments and at a 100 TeV pp collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 5, art. no. 055023., Registrované v: WOS

23. [1.1] KONAR, Partha - MONDAL, Tanmoy - SWAIN, Abhaya Kumar. Demystifying the compressed top squark region with kinematic variables. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 095011., Registrované v: WOS

24. [1.1] KONAR, Partha - MONDAL, Tanmoy - SWAIN, Abhaya Kumar. Constraining slepton and chargino through compressed top squark search. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 4, art. no. 024., Registrované v: WOS

25. [1.1] KRAEMER, Michael - MUEHLLEITNER, Margarete. Higher-order QCD corrections to supersymmetric particle production and decay at the LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2015, vol. 261, pp. 232-245., Registrované v: WOS

26. [1.1] MORETTI, Stefano - O'BRIEN, Dermot - PANIZZI, Luca - PRAGER, Hugo. Production of extra quarks at the Large Hadron Collider beyond the narrow width approximation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 075035., Registrované v: WOS

27. [1.1] ROLBIECKI, Krzysztof - TATTERSALL, Jamie. Refining light stop exclusion limits with $W+W^-$ cross sections. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 750, pp. 247-251., Registrované v: WOS

28. [1.1] SCHMALTZ, M. - ZHONG, Y.M. The leptoquark Hunter's guide: large coupling. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 15 2019, no. 1., Registrované v: WOS

ADCA1133 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef - AAD, G. Search for top squarks decaying to tau sleptons in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Physical Review D*, 2018, vol. 98, no. 3, art. no. 032008. (2017: 4.394 - IF, Q1 - JCR, 1.801 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.98.032008>

Ohlasy:

1. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
2. [1.1] GHOSH, D.K. - HUITU, K. - MONDAL, S. - MITRA, M. Same-sign trilepton signal for stop quark in the presence of sneutrino dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, APR 15 2019, vol. 99, no. 7., Registrované v: WOS
3. [1.1] YANASE, K. - YOSHINAGA, N. - HIGASHIYAMA, K. - YAMANAKA, N. Electric dipole moment of Hg-199 atom from P, CP-odd electron-nucleon interaction. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 16 2019, vol. 99, no. 7., Registrované v: WOS

ADCA1134 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for top squarks in final states with one isolated lepton, jets, and missing transverse momentum in root s=13 TeV pp collisions with the ATLAS detector. In *Physical Review D*, 2016, vol. 94, no. 5, art. no. 052009. (2015: 4.506 - IF, Q2 - JCR, 2.236 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.94.052009>

Ohlasy:

1. [1.1] AHRICHE, A. - ARHRIB, A. - JUEID, A. - NASRI, S. - DE LA PUENTE, A. Mono-Higgs signature in the scotogenic model with Majorana dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, FEB 27 2020, vol. 101, no. 3., Registrované v: WOS
2. [1.1] ARAZ, Jack Y. - FRANK, Mariana - FUKS, Benjamin. Differentiating U(1) supersymmetric models with right sneutrino and neutralino dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015017., Registrované v: WOS
3. [1.1] ARHRIB, A. - BENBRIK, R. - EL FALAKI, J. - SAMPAIO, M. - SANTOS, R. Pseudoscalar decays to gauge bosons at the LHC and at a future 100 TeV collider. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 27 2019, vol. 99, no. 3., Registrované v: WOS
4. [1.1] AZEVEDO, D. - FERREIRA, P. - MUHLLEITNER, M.M. - SANTOS, R. - WITTBRODT, J. Models with extended Higgs sectors at future e(+)e(-) colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 12 2019, vol. 99, no. 5., Registrované v: WOS
5. [1.1] BARMAN, R.K. - BHATTACHERJEE, B. - CHOUDHURY, A. - CHOWDHURY, D. - LAHIRI, J. - RAY, S. Current status of MSSM Higgs sector with LHC 13 TeV data. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, APR 2019, vol. 134, no. 4., Registrované v: WOS
6. [1.1] BASLER, P. - DAWSON, S. - ENGLERT, C. - MUHLLEITNER, M. Showcasing HH production: Benchmarks for the LHC and HL-LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 29 2019, vol. 99, no. 5., Registrované v: WOS
7. [1.1] BEGONE, G. - DEISENROTH, M.P. - KIM, J.S. - LIEM, S. - DE AUSTRI, R.R. - WELLING, M. Accelerating the BSM interpretation of LHC data with machine learning. In PHYSICS OF THE DARK UNIVERSE. ISSN 2212-6864, MAR 2019, vol. 24., Registrované v: WOS

8. [1.1] BELYAEV, Alexander S. - FLACKE, Thomas - JAIN, Bithika - SCHAEFERS, Patrick B. LHC dark matter signals from vector resonances and top partners. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035019., Registrované v: WOS
9. [1.1] CAI, Yi - GARCIA, Juan Herrero - SCHMIDT, Michael A. - VICENTE, Avelino - VOLKAS, Raymond R. From the Trees to the Forest: A Review of Radiative Neutrino Mass Models. In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2017, vol. 5, art. no. 63., Registrované v: WOS
10. [1.1] DAO, T.N. - FRITZ, L. - KRAUSE, M. - MUHLLEITNER, M. - PATEL, S. Gauge dependences of higher-order corrections to NMSSM Higgs boson masses and the charged Higgs Decay $H^{\pm} \rightarrow W^{\pm} h(i)$. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 31 2020, vol. 80, no. 3., Registrované v: WOS
11. [1.1] DAS, Dipankar - LOPEZ-IBANEZ, M. L. - JAY PEREZ, M. - VIVES, Oscar. Effective theories of flavor and the nonuniversal MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035001., Registrované v: WOS
12. [1.1] DERCKX, Daniel - DESAI, Nishita - KIM, Jong Soo - ROLBIECKI, Krzysztof - TATTERSALL, Jamie - WEBER, Torsten. CheckMATE 2: From the model to the limit. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2017, vol. 221, pp. 383-418., Registrované v: WOS
13. [1.1] DERCKX, D. - ROBENS, T. Constraining the Inert Doublet Model using Vector Boson Fusion. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
14. [1.1] GEHRLEIN, J. - IPEK, S. - FOX, P.J. Bio phenomenology at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 13 2019, no. 3., Registrované v: WOS
15. [1.1] GHOSH, Pradipta - LARA, Inaki - LOPEZ-FOGLIANI, Daniel E. - MUNOZ, Carlos - DE AUSTRI, Roberto Ruiz. Searching for left sneutrino LSP at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 18-19, art. no. 1850110., Registrované v: WOS
16. [1.1] CHOWDHURY, Debtosh - PATEL, Ketan M. - TATA, Xerxes - VEMPATI, Sudhir K. Indirect searches of the degenerate MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075025., Registrované v: WOS
17. [1.1] KOWALSKA, Kamila - SESSOLO, Enrico Maria. MSSM fits to the ATLAS 1 lepton excess. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 2, art. no. 79., Registrované v: WOS
18. [1.1] KOWALSKA, Kamila. Phenomenological MSSM in light of new 13 TeV LHC data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 12, art. no. 684., Registrované v: WOS
19. [1.1] SHANG, L.L. - WEI, W. - YANG, B.F. Search for vector -like T quark through the channel at e^+e^- collider. In NUCLEAR PHYSICS B. ISSN 0550-3213, JUN 2020, vol. 955., Registrované v: WOS

ADCA1135 AABOUD, M. - AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for top-quark

decays $t \rightarrow Hq$ with 36 fb⁻¹ of pp collision data at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2019, no. 5, art. no. 123. (2018: 5.833 - IF, Q1 - JCR, 1.016 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP05\(2019\)123](https://doi.org/10.1007/JHEP05(2019)123)

Ohlasy:

1. [1.1] ALTMANNSHOFER, W. - MADDOCK, B. - TUCKLER, D. Rare top decays as probes of flavorful Higgs bosons. In *PHYSICAL REVIEW D*. ISSN 2470-0010, JUL 8 2019, vol. 100, no. 1., Registrované v: WOS
2. [1.1] HOU, W.S. - HSU, T.H. - MODAK, T. Constraining the $t \rightarrow u$ flavor changing neutral Higgs coupling at the LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, SEP 9 2020, vol. 102, no. 5., Registrované v: WOS
3. [1.1] HOU, W.S. - JAIN, R. - KAO, C. - KOHDA, M. - MCCOY, B. - SONI, A. Flavor changing heavy Higgs interactions with leptons at hadron colliders. In *PHYSICS LETTERS B*. ISSN 0370-2693, AUG 10 2019, vol. 795, p. 371-378., Registrované v: WOS
4. [1.1] HOU, W.S. - KOHDA, M. - MODAK, T. Implications of four-top and top-pair studies on triple-top production. In *PHYSICS LETTERS B*. ISSN 0370-2693, NOV 10 2019, vol. 798., Registrované v: WOS
5. [1.1] HOU, W.S. - KOHDA, M. - MODAK, T. - WONG, G.G. Enhanced $B \rightarrow \mu(\nu)\bar{\mu}$ decay at tree level as probe of extra Yukawa couplings. In *PHYSICS LETTERS B*. ISSN 0370-2693, JAN 10 2020, vol. 800., Registrované v: WOS
6. [1.1] HOU, W.S. - MODAK, T. Production of $t\bar{t}ZH$ and $t\bar{t}Z\bar{h}$ in 2HDM: Prospects for discovery at the LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, FEB 7 2020, vol. 101, no. 3., Registrované v: WOS
7. [1.1] ILYUSHIN, M. - MANDRIK, P. - SLABOSPITSKII, S. Constraints on the Higgs boson anomalous FCNC interactions with light quarks. In *NUCLEAR PHYSICS B*. ISSN 0550-3213, MAR 2020, vol. 952., Registrované v: WOS
8. [1.1] KHANPOUR, H. Probing top quark FCNC couplings in the triple-top signal at the high energy LHC and future circular collider. In *NUCLEAR PHYSICS B*. ISSN 0550-3213, SEP 2020, vol. 958., Registrované v: WOS
9. [1.1] MODAK, T. - ODA, K.Y. Echoes of 2HDM inflation at the collider experiments. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, SEP 19 2020, vol. 80, no. 9., Registrované v: WOS

ADCA1136 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Search for Top-Quark Production via Flavor-Changing Neutral Currents in W+1 Jet Events at CDF. In *Physical Review Letters*, 2009, vol. 102, no. 15, art. no. 151801. (2008: 7.180 - IF, Q1 - JCR, 6.194 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.102.151801>

Ohlasy:

1. [1.1] DURIEUX, Gauthier - MALTONI, Fabio - ZHANG, Cen. Global approach to top-quark flavor-changing interactions. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2015, vol. 91, no. 7, art. no. 074017., Registrované v: WOS
2. [1.1] GOLDOUZIAN, Reza. Search for top quark flavor changing

neutral currents in same-sign top quark production. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 1, art. no. 014022., Registrované v: WOS
 3. [1.1] KIM, C. S. - YOON, Yeo Woong - YUAN, Xing-Bo. Exploring top quark FCNC within 2HDM type III in association with flavor physics. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 12, art. no. 038., Registrované v: WOS

ADCA1137 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb(-1) of root s=13 TeV pp collision data with the ATLAS detector. In *Journal of High Energy Physics*, 2018, no. 6, art. no. 108. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP06\(2018\)108](https://doi.org/10.1007/JHEP06(2018)108)

Ohlasy:

1. [1.1] ABDUGHANI, M. - REN, J. - WU, L. - YANG, J.M. - ZHAO, J. Supervised Deep Learning in High Energy Phenomenology: a Mini Review. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, AUG 2019, vol. 71, no. 8, p. 955-990., Registrované v: WOS
2. [1.1] AHMED, W. - MANSHA, A. - LI, T.J. - RAZA, S. - ROY, J. - XU, F.Z. The upper bounds on supersymmetry breaking scales in split supersymmetry from the Higgs mass and electroweak vacuum stability. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, APR 2020, vol. 2020, no. 4., Registrované v: WOS
3. [1.1] BAGNASCHI, E. - BAHL, H. - FUCHS, E. - HAHN, T. - HEINEMEYER, S. - LIEBLER, S. - PATEL, S. - SLAVICH, P. - STEFANIAK, T. - WAGNER, C.E.M. - WEIGLEIN, G. MSSM Higgs boson searches at the LHC: benchmark scenarios for Run 2 and beyond. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 20 2019, vol. 79, no. 7., Registrované v: WOS
4. [1.1] CARENA, Marcela - OSBORNE, James - SHAH, Nausheen R. - WAGNER, Carlos E. M. Supersymmetry and LHC missing energy signals. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115010., Registrované v: WOS
5. [1.1] CARENA, M. - OSBORNE, J. - SHAH, N.R. - WAGNER, C.E.M. Return of the WIMP: Missing energy signals and the Galactic Center excess. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 3 2019, vol. 100, no. 5., Registrované v: WOS
6. [1.1] COHEN, T. - CRAIG, N. - KOREN, S. - MCCULLOUGH, M. - TOOBY-SMITH, J. Supersoft Top Squarks. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, OCT 7 2020, vol. 125, no. 15., Registrované v: WOS
7. [1.1] COLUCCI, Stefano - FUKS, Benjamin - GIACCHINO, Federica - HONOREZ, Laura Lopez - TYTGAT, Michel H. G. - VANDECASTEELE, Jerome. Top-philic vectorlike portal to scalar dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035002., Registrované v: WOS
8. [1.1] COYLE, N.M. - WAGNER, C.E.M. Dynamical Higgs field alignment in the NMSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR

30 2020, vol. 101, no. 5., Registrované v: WOS

9. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS

10. [1.1] GHOSH, D.K. - HUITU, K. - MONDAL, S. - MITRA, M. Same-sign trilepton signal for stop quark in the presence of sneutrino dark matter. In PHYSICAL REVIEW D. ISSN 1550-7998, APR 15 2019, vol. 99, no. 7., Registrované v: WOS

11. [1.1] HAN, T. - ISMAIL, A. - HAGHI, B.S.E. SUSY signals from QCD production at the upgraded LHC. In PHYSICS LETTERS B. ISSN 0370-2693, JUN 10 2019, vol. 793, p. 354-359., Registrované v: WOS

12. [1.1] HIROSHIMA, N. - HAYASHIDA, M. - KOHRI, K. Dependence of accessible dark matter annihilation cross sections on the density profiles of dwarf spheroidal galaxies with the Cherenkov Telescope Array. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 21 2019, vol. 99, no. 12., Registrované v: WOS

13. [1.1] CHO, G.C. - YAMASHITA, K. - YONEMURA, M. Search for vector-mediated dark matter at the LHC with forward proton tagging. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 18 2020, vol. 101, no. 3., Registrované v: WOS

14. [1.1] LI, T. - WU, P.W. Simplified dark matter models with loop effects in direct detection and the constraints from indirect detection and collider search. In CHINESE PHYSICS C. ISSN 1674-1137, NOV 2019, vol. 43, no. 11., Registrované v: WOS

15. [1.1] PATRICK, R. - SCAFFIDI, A. - SHARMA, P. Top polarization as a probe of CP-mixing top-Higgs coupling in tjh signals. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 20 2020, vol. 101, no. 9., Registrované v: WOS

16. [1.1] SMARANDA, D.D. - MILLER, D.J. Scherk-Schwarz orbifolds at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS

17. [1.1] TATA, X. Natural supersymmetry: status and prospects. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 21, SI, p. 3061-3083., Registrované v: WOS

18. [1.1] TREVISANI, Nicola. Collider Searches for Dark Matter (ATLAS. In UNIVERSE. ISSN 2218-1997, 2018, vol. 4, no. 11, art. no. 131., Registrované v: WOS

ADCA1138 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Search for triboson (WWW $-/+$)-W $-+/-$ -W $-+/-$ production in pp collisions at root s=8 TeV with the ATLAS detector. In *European Physical Journal C*, 2017, vol. 77, no. 3, art. no. 141. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-017-4692-1>

Ohlasy:

1. [1.1] AGASHE, Kaustubh - COLLINS, Jack H. - DU, Peizhi - HONG, Sungwoo - KIM, Doojin - MISHRA, Rashmish K. Detecting a boosted diboson resonance. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 027., Registrované v: WOS

2. [1.1] CRAIG, Nathaniel - HOOK, Anson - KASKO, Skyler. The photophobic ALP. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 028., Registrované v: WOS
3. [1.1] DITTMAYER, S. - KNIPPEN, G. - SCHWAN, C. Next-to-leading-order QCD and electroweak corrections to triple-W production with leptonic decays at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 3 2020, no. 2., Registrované v: WOS
4. [1.1] SCHONHERR, Marek. Next-to-leading order electroweak corrections to off-shell WWW production at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 076., Registrované v: WOS

ADCA1139 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for type-III seesaw heavy leptons in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Physical Review D*, 2015, vol. 92, no. 3, art. no. 032001. (2014: 4.643 - IF, Q1 - JCR, 2.414 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.92.032001>

Ohlasy:

1. [1.1] CAI, Yi - HAN, Tao - LI, Tong - RUIZ, Richard. Lepton Number Violation: Seesaw Models and Their Collider Tests. In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2018, vol. 6, art. no. 40., Registrované v: WOS
2. [1.1] DAS, A. - MANDAL, S. - MODAK, T. Testing triplet fermions at the electron-positron and electron-proton colliders using fat jet signatures. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 5 2020, vol. 102, no. 3., Registrované v: WOS
3. [1.1] GOSWAMI, Deepanjali - POULOSE, P. Direct searches of Type-III seesaw triplet fermions at high energy $e(+)e(-)$ collider. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 1, art. no. 42., Registrované v: WOS
4. [1.1] GOSWAMI, S. - VISHNUDATH, K.N. - KHAN, N. Constraining the minimal type-III seesaw model with naturalness, lepton flavor violation, and electroweak vacuum stability. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 12 2019, vol. 99, no. 7., Registrované v: WOS
5. [1.1] LINDNER, Manfred - PATEL, Hiren H. - RADOVCIC, Branimir. Electroweak absolute, meta-, and thermal stability in neutrino mass models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 073005., Registrované v: WOS
6. [1.1] OSTDIEK, B. Constraining the minimal dark matter fiveplet with LHC searches. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 055008., Registrované v: WOS
7. [1.1] VON DER PAHLEN, Federico - PALACIO, Guillermo - RESTREPO, Diego - ZAPATA, Oscar. Radiative type III seesaw model and its collider phenomenology. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 033005., Registrované v: WOS
8. [1.1] ZHOU, Shun. Overview on Neutrino Theory and Phenomenology. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 287, pp. 127-132., Registrované v: WOS

ADCA1140 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for $t(\bar{t})$ over-bar resonances in the lepton plus jets final state with ATLAS using 4.7 fb⁻¹ of pp collisions at $\sqrt{s}=7$ TeV. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2013, vol. 88, no. 1, art. no. 012004. (2012: 4.691 - IF, Q1 - JCR, 2.725 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Ohlasy:

1. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS
2. [1.1] PEDERSEN, Keith - SULLIVAN, Zack. Probing the two-Higgs-doublet wedge region with charged Higgs boson decays to boosted jets. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035037., Registrované v: WOS

ADCA1141 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for vectorlike B quarks in events with one isolated lepton, missing transverse momentum, and jets at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Physical Review D*, 2015, vol. 91, no. 11, art. no. 112011. (2014: 4.643 - IF, Q1 - JCR, 2.414 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.91.052011>

Ohlasy:

1. [1.1] ANGELESCU, Andrei - DJOUADI, Abdelhak - MOREAU, Gregory. Vector-like top/bottom-quark partners and Higgs physics at the LHC. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2016, vol. 76, no. 2, art. no. 99., Registrované v: WOS
2. [1.1] BERTUZZO, Enrico - MACHADO, Pedro A. N. - PEREZ-GONZALEZ, Yuber F. - FUNCHAL, Renata Zukanovich. Constraints from triple gauge couplings on vectorlike leptons. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035035., Registrované v: WOS
3. [1.1] BHATTACHERJEE, Biplob - BYAKTI, Pritibhajan - KUSHWAHA, Ashwani - VEMPATI, Sudhir K. Unification with vector-like fermions and signals at LHC. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2018, no. 5, art. no. 090., Registrované v: WOS
4. [1.1] BLUM, Kfir - EFRATI, Aielet - FRUGIUELE, Claudia - NIR, Yosef. Exotic colored scalars at the LHC. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2017, no. 2, art. no. 104., Registrované v: WOS
5. [1.1] BOTELLA, Francisco J. - BRANCO, G. C. - NEBOT, Miguel - REBELO, M. N. - SILVA-MARCOS, J. I. Vector-like quarks at the origin of light quark masses and mixing. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2017, vol. 77, no. 6, art. no. 408., Registrované v: WOS
6. [1.1] CAI, Yi - GARCIA, Juan Herrero - SCHMIDT, Michael A. - VICENTE, Avelino - VOLKAS, Raymond R. From the Trees to the Forest: A Review of Radiative Neutrino Mass Models. In *FRONTIERS IN PHYSICS*. ISSN 2296-424X, 2017, vol. 5, art. no. 63., Registrované v: WOS
7. [1.1] COUTURE, Gilles - FRANK, Mariana - HAMZAOUI, Cherif - TOHARIA, Manuel. Top and bottom partners, Higgs boson on the brane, and the

tth signal. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 095038., Registrované v: WOS

8. [1.1] DAS, Kasinath - LI, Tianjun - NANDI, S. - RAI, Santosh Kumar. New signals for vector-like down-type quark in U(1) of E-6. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 1, art. no. 35., Registrované v: WOS

9. [1.1] DAVOUDIASL, Hooman - GIARDINO, Pier Paolo - ZHANG, Cen. Asymmetric dark matter in extended exo-Higgs scenarios. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 772, pp. 512-516., Registrované v: WOS

10. [1.1] DOBRESCU, Bogdan A. - YU, Felix. Exotic signals of vectorlike quarks. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 8, art. no. 08LT01., Registrované v: WOS

11. [1.1] FUKUDA, Hajime - HARIGAYA, Keisuke - IBE, Masahiro - YANAGIDA, Tsutomu T. Model of visible QCD axion. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 1, art. no. 015021., Registrované v: WOS

12. [1.1] FUKUDA, Hajime - IBE, Masahiro - SUZUKI, Motoo - YANAGIDA, Tsutomu T. Gauged Peccei-Quinn symmetry A case of simultaneous breaking of SUSY and PQ symmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 128., Registrované v: WOS

13. [1.1] GROEBER, Ramona. Pair Production of Beyond the Standard Model Higgs Bosons. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 05002., Registrované v: WOS

14. [1.1] GROSS, Christian - LEBEDEV, Oleg - NO, Jose Miguel. Drell-Yan constraints on new electroweak states: LHC as a $pp \rightarrow l^{(+)}l^{(-)}$ precision machine. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2017, vol. 32, no. 16, art. no. 1750094., Registrované v: WOS

15. [1.1] KNAPEN, Simon - MELIA, Tom - PAPUCCI, Michele - ZUREK, Kathryn M. Rays of light from the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075020., Registrované v: WOS

16. [1.1] LI, Gang - MAO, Ying-nan - TANG, Yi-Lei - ZHANG, Chen - ZHOU, Yang - ZHU, Shou-hua. Pseudoscalar Decaying Only via Loops as an Explanation for the 750 GeV Diphoton Excess. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 15, art. no. 151803., Registrované v: WOS

17. [1.1] OHMER, S. Spontaneous CP violation and the strong CP problem in left-right symmetric theories. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 25 2019, vol. 99, no. 11., Registrované v: WOS

18. [1.1] SONG, J. - YOON, Y.W. W gamma decay of the elusive charged Higgs boson in the two-Higgs-doublet model with vectorlike fermions. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 6 2019, vol. 100, no. 5., Registrované v: WOS

ADCA1142 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for vector-boson resonances decaying to a top quark and bottom quark in the lepton

plus jets final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Physics Letters B*, 2019, vol. 788, p. 347-370. (2018: 4.162 - IF, Q2 - JCR, 1.806 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.11.032>

Ohlasy:

1. [1.1] DJOUADI, A. - ELLIS, J. - POPOV, A. - QUEVILLON, J. Interference effects in $t(\bar{t})$ production at the LHC as a window on new physics. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 21 2019, no. 3., Registrované v: WOS
2. [1.1] LIU, D. - WANG, L.T. - XIE, K.P. Prospects of searching for composite resonances at the LHC and beyond. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 18 2019, no. 1., Registrované v: WOS

ADCA1143 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for $W^+ \rightarrow t\bar{b}$ decays in the hadronic final state using pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Physics Letters B*, 2018, vol. 781, p. 327-348. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.03.036>

Ohlasy:

1. [1.1] AGASHE, Kaustubh - COLLINS, Jack H. - DU, Peizhi - HONG, Sungwoo - KIM, Doojin - MISHRA, Rashmish K. Detecting a boosted diboson resonance. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 027., Registrované v: WOS
2. [1.1] BRANCHINA, V. - CONTINO, F. - FERREIRA, P. M. Electroweak vacuum lifetime in two Higgs doublet models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 107., Registrované v: WOS
3. [1.1] FERREIRA, P.M. - LAVOURA, L. No strong CP violation up to the one-loop level in a two-Higgs-doublet model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 1 2019, vol. 79, no. 7., Registrované v: WOS
4. [1.1] GODBOLE, R. - GUHAIT, M. - KHOSA, C.K. - LAHIRI, J. - SHARMA, S. - VIJAY, A.H. Boosted top quark polarization. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 16 2019, vol. 100, no. 5., Registrované v: WOS
5. [1.1] HASHEMI, Majid - HAGHIGHAT, Gholamhossein. Capability of future linear colliders to discover heavy neutral CP-even and CP-odd Higgs bosons within type-I 2HDM. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 9, art. no. 095005., Registrované v: WOS
6. [1.1] HASHEMI, Majid. Possibility of observing Higgs bosons at the ILC in the lepton-specific 2HDM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115004., Registrované v: WOS
7. [1.1] IYER, A.M. - SRIDHAR, K. Unearthing the electroweak structure of heavy charged gauge bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 17 2019, vol. 100, no. 1., Registrované v: WOS

8. [1.1] LIU, D. - WANG, L.T. - XIE, K.P. Prospects of searching for composite resonances at the LHC and beyond. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 18 2019, no. 1., Registrované v: WOS
9. [1.1] MACALUSO, Sebastian - SHIH, David. Pulling out all the tops with computer vision and deep learning. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 121., Registrované v: WOS
10. [1.1] NAPOLETANO, Davide - SOYEZ, Gregory. Computing Nsubjettiness for boosted jets. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 031., Registrované v: WOS
11. [1.1] NEVES, M. J. - HELAYEL-NETO, J. A. - MOHAPATRA, Rabindra N. - OKADA, Nobuchika. Minimally extended left-right symmetric model for dark matter with U(1) portal. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 009., Registrované v: WOS
12. [1.1] SUN, P. - YAN, B. - YUAN, C.P. Transverse momentum resummation for s-channel single top quark production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 15 2019, vol. 99, no. 3., Registrované v: WOS

ADCA1144 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for $W^-tb \rightarrow q\bar{q}bb$ decays in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. In *European Physical Journal C*, 2015, vol. 75, no. 4, art. no. 165. (2014: 5.084 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-015-3372-2>

Ohlasy:

1. [1.1] ANGELESCU, Andrei - ARCADI, Giorgio. Dark matter phenomenology of SM and enlarged Higgs sectors extended with vector-like leptons. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 7, art. no. 456., Registrované v: WOS
2. [1.1] ANCHORDOQUI, Luis A. - ANTONIADIS, Ignatios - GOLDBERG, Haim - HUANG, Xing - LUEST, Dieter - TAYLOR, Tomasz R. Minimal left-right symmetric intersecting D-brane model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 2, art. no. 026011., Registrované v: WOS
3. [1.1] ARCADI, Giorgio - GHOSH, Pradipta - MAMBRINI, Yann - PIERRE, Mathias. Scrutinizing a di-photon resonance at the LHC through Moscow zero. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2016, no. 11, art. no. 054., Registrované v: WOS
4. [1.1] AUTERMANN, Christian. Experimental status of supersymmetry after the LHC Run-I. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 90, pp. 125-155., Registrované v: WOS
5. [1.1] BARNARD, James - COX, Peter - GHERGHETTA, Tony - SPRAY, Andrew. Long-lived, colour-triplet scalars from unnaturality. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 003., Registrované v: WOS
6. [1.1] BASIRNIA, Aria - MACALUSO, Sebastian - SHIH, David. Dark matter and the Higgs in natural SUSY. In JOURNAL OF HIGH ENERGY

- PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 073., Registrované v: WOS
7. [1.1] BASSO, Lorenzo. Resonant mono Higgs at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 087., Registrované v: WOS
8. [1.1] BELL, Nicole F. - CAI, Yi - LEANE, Rebecca K. Mono-W dark matter signals at the LHC: simplified model analysis. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2016, no. 1, art. no. 051., Registrované v: WOS
9. [1.1] BERNAL, Nicolas - HEIKINHEIMO, Matti - TENKANEN, Tommi - TUOMINEN, Kimmo - VASKONEN, Ville. The dawn of FIMP Dark Matter: A review of models and constraints. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 27, art. no. 1730023., Registrované v: WOS
10. [1.1] BRUGGISSER, Sebastian - RIVA, Francesco - URBANO, Alfredo. The last gasp of dark matter effective theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 11, art. no. 069., Registrované v: WOS
11. [1.1] BRUGGISSER, Sebastian - RIVA, Francesco - URBANO, Alfredo. Strongly interacting light dark matter. In SCIPOST PHYSICS. ISSN 2542-4653, 2017, vol. 3, no. 3, art. no. UNSP 017., Registrované v: WOS
12. [1.1] CAO, Junjie - HE, Yangle - SHANG, Liangliang - SU, Wei - ZHANG, Yang. Testing the light dark matter scenario of the MSSM at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, pp. 1-24., Registrované v: WOS
13. [1.1] CLERBAUX, Barbara. Highlights on searches for supersymmetry and exotic models. In COMPTES RENDUS PHYSIQUE. ISSN 1631-0705, 2015, vol. 16, no. 4, pp. 407-423., Registrované v: WOS
14. [1.1] COLOMA, Pilar - DOBRESCU, Bogdan A. - FRUGIUELE, Claudia - HARNIK, Roni. Dark matter beams at LBNF. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 047., Registrované v: WOS
15. [1.1] DEPPISCH, Frank F. - GRAF, Lukas - KULKARNI, Suchita - PATRA, Sudhanwa - RODEJOHANN, Werner - SAHU, Narendra - SARKAR, Utpal. Reconciling the 2 TeV excesses at the LHC in a linear seesaw left-right model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 013011., Registrované v: WOS
16. [1.1] DUERR, Michael - KAHLHOEFER, Felix - SCHMIDT-HOBERG, Kai - SCHWETZ, Thomas - VOGL, Stefan. How to save the WIMP: global analysis of a dark matter model with two s-channel mediators. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 9, art. no. 042., Registrované v: WOS
17. [1.1] D'ERAMO, Francesco - DE VRIES, Jordy - PANCI, Paolo. A 750 GeV portal: LHC phenomenology and dark matter candidates. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 089., Registrované v: WOS
18. [1.1] ENGLERT, Christoph - HARRIS, Philip - SPANNOVSKY, Michael - TAKEUCHI, Michihisa. Unitarity-controlled resonances after the Higgs boson discovery. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 013003., Registrované v: WOS
19. [1.1] EVANS, Jason L. - GHERGHETTA, Tony - NAGATA,

- Natsumi - THOMAS, Zachary. Naturalizing supersymmetry with a two-field relaxion mechanism. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 9, art. no. 150., Registrované v: WOS
20. [1.1] FALKOWSKI, Adam - SLONE, Oren - VOLANSKY, Tomer. Phenomenology of a 750 GeV singlet. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 2, art. no. 152., Registrované v: WOS
21. [1.1] FRANDSEN, Mads T. - SHOEMAKER, Ian M. Asymmetric dark matter models and the LHC diphoton excess. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2016, no. 5, art. no. 064., Registrované v: WOS
22. [1.1] FREYTSIS, Marat - LIGETI, Zoltan - RUDERMAN, Joshua T. Flavor models for $(B)\overline{B} \rightarrow D^{(*)}\tau(\nu)\overline{\tau}$. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 054018., Registrované v: WOS
23. [1.1] FUNATSU, Shuichiro - HATANAKA, Hisaki - HOSOTANI, Yutaka - ORIKASA, Yuta. Collider signals of W' and Z' bosons in the gauge-Higgs unification. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035032., Registrované v: WOS
24. [1.1] GHORBANI, Karim - KHALKHALI, Leila. Mono-Higgs signature in a fermionic dark matter model. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 10, art. no. 105004., Registrované v: WOS
25. [1.1] HAN, Chengcheng - ICHIKAWA, Koji - MATSUMOTO, Shigeki - NOJIRI, Mihoko M. - TAKEUCHI, Michihisa. Heavy fermion bound states for diphoton excess at 750 GeV collider and cosmological constraints. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 159., Registrované v: WOS
26. [1.1] HEISIG, Jan - KRAEMER, Michael - PELLEN, Mathieu - WIEBUSCH, Christopher. Constraints on Majorana dark matter from the LHC and IceCube. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055029., Registrované v: WOS
27. [1.1] HEKTOR, Andi - MARZOLA, Luca. Di-photon excess at LHC and the gamma ray excess at the Galactic Centre. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2016, no. 7, art. no. 042., Registrované v: WOS
28. [1.1] CHAUHAN, Bhavesh - KINDRA, Bharti - NARANG, Ashish. Discrepancies in simultaneous explanation of flavor anomalies and IceCube PeV events using leptiquarks. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095007., Registrované v: WOS
29. [1.1] CHIANG, Cheng-Wei - HARIGAYA, Keisuke - IBE, Masahiro - YANAGIDA, Tsutomu T. Revisiting R-invariant direct gauge mediation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 3, art. no. 145., Registrované v: WOS
30. [1.1] JUNG, Sunghoon - SONG, Jeonghyeon - YOON, Yeo Woong. How resonance-continuum interference changes 750 GeV diphoton excess: signal enhancement and peak shift. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5., Registrované v: WOS
31. [1.1] KAHLHOEFER, Felix. Review of LHC dark matter searches. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 13, pp., Registrované v: WOS
32. [1.1] KNAPEN, Simon - REDIGOLO, Diego. Gauge mediation at the

LHC: status and prospects. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 1, art. no. 135., Registrované v: WOS

33. [1.1] KO, P. - YU, Chaehyun - YUAN, Tzu-Chiang. Probing a new strongly interacting sector via composite diboson resonances. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115034., Registrované v: WOS

34. [1.1] LAPSIEN, T. - KOGLER, R. - HALLER, J. A new tagger for hadronically decaying heavy particles at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 11, art. no. 600., Registrované v: WOS

35. [1.1] LOWETTE, Steven. Accelerator searches for new physics in the context of dark matter. In XIV INTERNATIONAL CONFERENCE ON TOPICS IN ASTROPARTICLE AND UNDERGROUND PHYSICS (TAUP 2015), PTS 1-7. ISSN 1742-6588, 2016, vol. 718, art. no. UNSP 022011., Registrované v: WOS

36. [1.1] MORGANTE, Enrico. The EFT Approach and Its Validity. In ASPECTS OF WIMP DARK MATTER SEARCHES AT COLLIDERS AND OTHER PROBES. ISSN 2190-5053, 2017, pp. 97-123., Registrované v: WOS

37. [1.1] PEDERSEN, Keith - SULLIVAN, Zack. $\mu(x)$ boosted-bottom-jet tagging and Z' boson searches. In PHYSICAL REVIEW D. ISSN 1550-7998, 2016, vol. 93, no. 1, art. no. 014014., Registrované v: WOS

38. [1.1] SENJANOVIC, Goran - TELLO, Vladimir. Restoration of parity and the right-handed analog of the CKM matrix. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 095023., Registrované v: WOS

39. [1.1] SOKOLOV, A. V. - PSIRKOV, M. S. Possibility of hypothetical stable micro black hole production at future 100 TeV collider. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 908., Registrované v: WOS

40. [1.1] WU, Lei - YANG, Bingfang - ZHANG, Mengchao. Little Higgs dark matter after PandaX-II/LUX-2016 and LHC Run-1. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 12, art. no. 152., Registrované v: WOS

ADCA1145 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for $W' - t(b)\text{over-bar}$ in the lepton plus jets final state in proton-proton collisions at a centre-of-mass energy of $\sqrt{s}=8$ TeV with the ATLAS detector. In *Physics Letters B*, 2015, vol. 743, p. 235-255. (2014: 6.131 - IF, Q1 - JCR, 3.562 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2015.02.051>

Ohlasy:

1. [1.1] ANCHORDOQUI, Luis A. - ANTONIADIS, Ignatios - GOLDBERG, Haim - HUANG, Xing - LUEST, Dieter - TAYLOR, Tomasz R. Minimal left-right symmetric intersecting D-brane model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 2, art. no. 026011., Registrované v: WOS

2. [1.1] AYAZI, S.Y. - MEHDIABADI, S.P. The s-Channel Single Top Quark Production as a Constraint for W' Boson Contribution. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, JUN

- 2019, vol. 128, no. 6, p. 865-870., Registrované v: WOS
3. [1.1] BASKAKOV, Alexey - BOOS, Edward - BUNICHEV, Vyacheslav - DUBININ, Mikhail - DUDKO, Lev - MYAGKOV, Igor - PERFILOV, Maxim - VOROTNIKOV, Georgy. New Physics search in the processes of the electroweak top quark production. In 19TH INTERNATIONAL SEMINAR ON HIGH ENERGY PHYSICS (QUARKS-2016). ISSN 2100-014X, 2016, vol. 125, art. no. UNSP 0200., Registrované v: WOS
 4. [1.1] BREHMER, Johann - HEWETT, JoAnne - KOPP, Joachim - RIZZO, Thomas - TATTERSALL, Jamie. Symmetry restored in dibosons at the LHC? In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 10, art. no. 182., Registrované v: WOS
 5. [1.1] CLERBAUX, Barbara. Highlights on searches for supersymmetry and exotic models. In COMPTES RENDUS PHYSIQUE. ISSN 1631-0705, 2015, vol. 16, no. 4, pp. 407-423., Registrované v: WOS
 6. [1.1] DAS, Kasinath - LI, Tianjun - NANDI, S. - RAI, Santosh Kumar. Diboson excesses in an anomaly free leptophobic left-right model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 016006., Registrované v: WOS
 7. [1.1] DEPPISCH, Frank F. - GRAF, Lukas - KULKARNI, Suchita - PATRA, Sudhanwa - RODEJOHANN, Werner - SAHU, Narendra - SARKAR, Utpal. Reconciling the 2 TeV excesses at the LHC in a linear seesaw left-right model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 013011., Registrované v: WOS
 8. [1.1] DOBRESCU, Bogdan A. - LIU, Zhen. W' Boson near 2 TeV: Predictions for Run 2 of the LHC. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 21, art. no. 211802., Registrované v: WOS
 9. [1.1] DOBRESCU, Bogdan A. - FOX, Patrick J. Signals of a 2 TeV W' boson and a heavier Z' boson. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 047., Registrované v: WOS
 10. [1.1] ENGLERT, Christoph - HARRIS, Philip - SPANNOWSKY, Michael - TAKEUCHI, Michihisa. Unitarity-controlled resonances after the Higgs boson discovery. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 013003., Registrované v: WOS
 11. [1.1] EVANS, Jason L. - NAGATA, Natsumi - OLIVE, Keith A. - ZHENG, Jiaming. The ATLAS diboson resonance in non-supersymmetric SO(10). In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 2, art. no. 120., Registrované v: WOS
 12. [1.1] FREYTSIS, Marat - LIGETI, Zoltan - RUDERMAN, Joshua T. Flavor models for $(B)\text{over-bar} \rightarrow D^{(*)}\tau(\nu)\text{over-bar}$. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 054018., Registrované v: WOS
 13. [1.1] FUNATSU, Shuichiro - HATANAKA, Hisaki - HOSOTANI, Yutaka - ORIKASA, Yuta. Collider signals of W' and Z' bosons in the gauge-Higgs unification. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035032., Registrované v: WOS
 14. [1.1] GORI, Stefania - GROJEAN, Christophe - JUSTE, Aurelio - PAUL, Ayan. Heavy Higgs searches: flavour matters. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 1, art. no. 108., Registrované v: WOS
 15. [1.1] GRELJO, Admir - ISIDORI, Gino - MARZOCCA, David. On the breaking of lepton flavor universality in B decays. In JOURNAL OF HIGH

ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 7, art. no. 142., Registrované v: WOS

16. [1.1] HISANO, Junji - NAGATA, Natsumi - OMURA, Yuji.

Interpretations of the ATLAS diboson resonances. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 055001., Registrované v: WOS

17. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS

18. [1.1] LOW, Matthew - TESI, Andrea - WANG, Lian-Tao. Composite spin-1 resonances at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 8, art. no. 085019., Registrované v: WOS

19. [1.1] LUTH, Vera. A challenge to lepton universality in B meson decays. In HYPERFINE INTERACTIONS. ISSN 0304-3843, 2018, vol. 239, art. no. 59., Registrované v: WOS

20. [1.1] PEDERSEN, Keith - SULLIVAN, Zack. $\mu(x)$ boosted-bottom-jet tagging and Z ' boson searches. In PHYSICAL REVIEW D. ISSN 1550-7998, 2016, vol. 93, no. 1, art. no. 014014., Registrované v: WOS

21. [1.1] SPANNOWSKY, Michael - STOLL, Martin. Tracking new physics at the LHC and beyond. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 054033., Registrované v: WOS

22. [1.1] SULLIVAN, Zack - PEDERSEN, Keith. Flavor tagging TeV jets for physics beyond the Standard Model. In XLV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2015). ISSN 2100-014X, 2016, vol. 120, art. no. 03001., Registrované v: WOS

23. [1.1] YAMANAKA, N. - SAHOO, B. K. - YOSHINAGA, N. - SATO, T. - ASAH, K. - DAS, B. P. Probing exotic phenomena at the interface of nuclear and particle physics with the electric dipole moments of diamagnetic atoms: A unique window to hadronic and semi-leptonic CP violation. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 3, art. no. 54., Registrované v: WOS

ADCA1146 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav. Search for weakly decaying (Λb) and Λb exotic bound states in central Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. In *Physics Letters B*, 2016, vol. 752, p. 267-277. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2015.11.048>

Ohlasy:

1. [1.1] CLEMENT, H. On the history of dibaryons and their final observation. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 93, pp. 195-242., Registrované v: WOS

2. [1.1] HAIDENBAUER, J. Coupled-channel effects in hadron-hadron correlation functions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 981, pp. 1-16., Registrované v: WOS

3. [1.1] MCDERMOTT, Samuel D. - REDDY, Sanjay - SEN, Srimoyee. Deeply bound dibaryon is incompatible with neutron stars and supernovae. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 3., Registrované v: WOS

ADCA1147 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Search for WH production with a light Higgs boson decaying to prompt electron-jets in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *New Journal of Physics*, 2013, vol. 15, art. no. 043009. (2012: 4.063 - IF, Q1 - JCR, 3.368 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1367-2630.

Ohlasy:

1. [1.1] DOMINGO, Florian - HEINEMEYER, Sven - KIM, Jong Soo - ROLBIECKI, Krzysztof. The NMSSM lives: with the 750 GeV diphoton excess. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 249., Registrované v: WOS

ADCA1148 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Search for WW and WZ Resonances Decaying to Electron, Missing E-T, and Two Jets in $p(\bar{p})$ Collisions at $\sqrt{s}=1.96$ TeV. In *Physical Review Letters*, 2010, vol. 104, no. 24, art. no. 241801. (2009: 7.328 - IF, 6.325 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.104.241801>

Ohlasy:

1. [1.1] ANDREEV, Vasili V. - PANKOV, A. A. - BEDNYAKOV, V. A. Effects of Z-Z' mixing in double W-bosons production at the large hadron collider. In *PHYSICS OF ATOMIC NUCLEI*. ISSN 1063-7788, 2015, vol. 78, no. 6, pp. 725-739., Registrované v: WOS

ADCA1149 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Search for WW/WZ resonance production in $lvqq$ final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2018, no. 3, art. no. 042. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP03\(2018\)042](https://doi.org/10.1007/JHEP03(2018)042)

Ohlasy:

1. [1.1] AGASHE, K. - COLLINS, J.H. - DU, P.Z. - HONG, S. - KIM, D. - MISHRA, R.K. Dedicated strategies for triboson signals from cascade decays of vector resonances. In *PHYSICAL REVIEW D*. ISSN 2470-0010, APR 15 2019, vol. 99, no. 7., Registrované v: WOS
2. [1.1] BOBOVNIKOV, I. D. - OSLAND, P. - PANKOV, A. A. Improved constraints on the mixing and mass of Z' bosons from resonant diboson searches at the LHC at $\sqrt{s}=13$ TeV and predictions for Run II. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095029., Registrované v: WOS
3. [1.1] ELAHI, F. - MARTIN, A. LHC constraints on a (B-L)(3) gauge boson. In *PHYSICAL REVIEW D*. ISSN 2470-0010, AUG 19 2019, vol. 100, no. 3., Registrované v: WOS
4. [1.1] KANEMURA, S. - KIKUCHI, M. - MAWATARI, K. - SAKURAI, K. - YAGYU, K. Full next-to-leading-order calculations of Higgs boson decay rates in models with non-minimal scalar sectors. In *NUCLEAR PHYSICS B*. ISSN 0550-3213, DEC 2019, vol. 949., Registrované v: WOS

5. [1.1] NOTTENSTEINER, F. - ORDELL, A. - PASECHNIK, R. - SERODIO, H. Classification of anomaly-free 2HDMs with a gauged $U(1)'$ symmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 23 2019, vol. 100, no. 11., Registrované v: WOS
6. [1.1] SERENKOVA, I.A. - OSLAND, P. - PANKOV, A.A. Improved bounds on W - W' mixing with ATLAS resonant WZ production data at the LHC at root $s=13$ TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 8 2019, vol. 100, no. 1., Registrované v: WOS

ADCA1150 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Search for WZ resonances in the fully leptonic channel using pp collisions at root $s=8$ TeV with the ATLAS detector. In *Physics Letters B*, 2014, vol. 737, p. 223-243. (2013: 6.019 - IF, Q1 - JCR, 3.707 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2014.08.039>

Ohlasy:

1. [1.1] AARRESTAD, T. Searching for diboson resonances in the boosted all-hadronic final state at root $s=13$ TeV with CMS. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, OCT 20 2020, vol. 35, no. 32., Registrované v: WOS
2. [1.1] BOBOVNIKOV, I. D. - OSLAND, P. - PANKOV, A. A. Improved constraints on the mixing and mass of Z' bosons from resonant diboson searches at the LHC at root $s=13$ TeV and predictions for Run II. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095029., Registrované v: WOS
3. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS
4. [1.1] HARNIK, Roni - HOWE, Kiel - KEARNEY, John. Tadpole-induced electroweak symmetry breaking and pNGB Higgs models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 111., Registrované v: WOS
5. [1.1] NIEHOFF, Christoph - STANGL, Peter - STRAUB, David M. Electroweak symmetry breaking and collider signatures in the next-to-minimal composite Higgs model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 4, pp. 1-50., Registrované v: WOS
6. [1.1] SERENKOVA, I.A. - OSLAND, P. - PANKOV, A.A. Improved bounds on W - W' mixing with ATLAS resonant WZ production data at the LHC at root $s=13$ TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 8 2019, vol. 100, no. 1., Registrované v: WOS

ADCA1151 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABED ABUD, A. - ABELING, K. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Searches for electroweak production of supersymmetric particles with compressed mass spectra in root $s=13$ TeV pp collisions with the ATLAS detector. In *Physical Review D*, 2020, vol. 101, no. 5, art. no. 052005. (2019: 4.833 - IF, Q1 - JCR, 1.664 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.101.052005>

Ohlasy:

1. [1.1] BAER, H. - BARGER, V. - SALAM, S. - SENGUPTA, D. - TATA, X. The LHC higgsino discovery plane for present and future SUSY searches. In PHYSICS LETTERS B. ISSN 0370-2693, NOV 10 2020, vol. 810., Registrované v: WOS
2. [1.1] CANEPA, A. - HAN, T. - WANG, X. The Search for Electroweakinos. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 425-454., Registrované v: WOS
3. [1.1] FIASCHI, J. - KLASSEN, M. Higgsino and gaugino pair production at the LHC with aNNLO plus NNLL precision. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 20 2020, vol. 102, no. 9., Registrované v: WOS
4. [1.1] PYARELAL, A. - SU, S.F. Higgs assisted razor search for Higgsinos at a 100 TeV pp collider. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, APR 17 2020, vol. 63, no. 10., Registrované v: WOS
5. [1.1] TATA, X. Natural supersymmetry: status and prospects. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 21, SI, p. 3061-3083., Registrované v: WOS

ADCA1152

AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Searches for exclusive Higgs and Z boson decays into J/psi gamma, psi (2S) gamma, and Upsilon(nS) gamma at root s=13 TeV with the ATLAS detector. In *Physics Letters B*, 2018, vol. 786, p. 134-155. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.09.024>

Ohlasy:

1. [1.1] ALASFAR, L. - LOPEZ, R.C. - GROBER, R. Probing Higgs couplings to light quarks via Higgs pair production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 14 2019, no. 11., Registrované v: WOS
2. [1.1] BRAMBILLA, N. - CHUNG, H.S. - LAI, W.K. - SHTABOVENKO, V. - VAIRO, A. Order nu(4) corrections to Higgs boson decay into J/psi plus gamma. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 26 2019, vol. 100, no. 5., Registrované v: WOS
3. [1.1] COYLE, N.M. - WAGNER, C.E.M. - WEI, V. Bounding the charm Yukawa coupling. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 24 2019, vol. 100, no. 7., Registrované v: WOS
4. [1.1] CHUNG, H.S. - EE, J.H. - KANG, D. - KIM, U.R. - LEE, J. - WANG, X.P. Pseudoscalar quarkonium plus gamma production at NLL plus NLO accuracy. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 14 2019, no. 10., Registrované v: WOS
5. [1.1] LIAO, Q.L. - JIANG, J. Excited heavy quarkonium production in Higgs boson decays. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 10 2019, vol. 100, no. 5., Registrované v: WOS
6. [1.1] MURPHY, C.W. Class imbalance techniques for high energy

physics. In SCIPOST PHYSICS. ISSN 2542-4653, DEC 2019, vol. 7, no. 6.,
Registrované v: WOS

ADCA1153 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. -
ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol.
Searches for heavy diboson resonances in pp collisions at root $S=13$ TeV with the
ATLAS detector. In *Journal of High Energy Physics*, 2016, vol. 2016, no. 9, art. no.
173. (2015: 6.023 - IF, Q1 - JCR, 1.343 - SJR, Q1 - SJR, Current Contents - CCC).
(2016 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na:
[https://doi.org/10.1007/JHEP09\(2016\)173](https://doi.org/10.1007/JHEP09(2016)173)

Ohlasy:

1. [1.1] ARBEY, A. - MAHMOUDI, F. - STAL, O. - STEFANIAK, T.
Status of the charged Higgs boson in two Higgs doublet models. In EUROPEAN
PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 182.,
Registrované v: WOS

2. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. -
MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of
heavy Higgs bosons decaying invisibly at the LHC. In NUCLEAR PHYSICS B.
ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS

3. [1.1] BIAN, Ligong - CHEN, Ning - ZHANG, Yongchao. CP
violation effects in the diphoton spectrum of heavy scalars. In PHYSICAL
REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, art. no. 095008.,
Registrované v: WOS

4. [1.1] BOBOVNIKOV, I. D. - OSLAND, P. - PANKOV, A. A.
Improved constraints on the mixing and mass of Z' bosons from resonant
diboson searches at the LHC at root $s=13$ TeV and predictions for Run II. In
PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095029.,
Registrované v: WOS

5. [1.1] BROWN, T. Building Intricate Partnerships with
Neurotechnology: Deep Brain Stimulation and Relational Agency. In
INTERNATIONAL JOURNAL OF FEMINIST APPROACHES TO
BIOETHICS. ISSN 1937-4585, MAR 2019, vol. 13, no. 1, p. 134-154.,
Registrované v: WOS

6. [1.1] DEV, P. S. Bhupal - MOHAPATRA, Rabindra N. - ZHANG,
Yongchao. Probing TeV scale origin of neutrino mass at future lepton colliders
via neutral and doubly-charged scalars. In PHYSICAL REVIEW D. ISSN
2470-0010, 2018, vol. 98, no. 7, art. no. 075028., Registrované v: WOS

7. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson
resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN
0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS

8. [1.1] DREYER, Frederic A. - NECIB, Lina - SOYEZ, Gregory -
THALER, Jesse. Recursive Soft Drop. In JOURNAL OF HIGH ENERGY
PHYSICS. ISSN 1029-8479, 2018, no. 6, art. no. 093., Registrované v: WOS

9. [1.1] GAINER, James S. - GONZALEZ-ALONSO, Martn -
GRELJO, Admir - ISAKOVIC, Senad - ISIDORI, Gino - KORYTOV, Andrey -
LYKKEN, Joseph - MARZOCCA, David - MATCHEV, Konstantin T. -
MILENOVIC, Predrag - MITSELMAKHER, Guenakh - MRENNNA, Stephen -
PARK, Myeonghun - RINKEVICIUS, Aurelijus - SELIMOVIC, Nudzeim.
Adding pseudo-observables to the four-lepton experimentalist's toolbox. In
JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art.

no. 073,, Registrované v: WOS

10. [1.1] KAUER, N. - LIND, A. - MAIERHOFER, P. - SONG, W.M. Higgs interference effects at the one-loop level in the 1-Higgs-Singlet extension of the Standard Model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 18 2019, no. 7., Registrované v: WOS

11. [1.1] KOMISKE, Patrick T. - METODIEV, Eric M. - THALER, Jesse. Energy flow polynomials: a complete linear basis for jet substructure. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 4, art. no. 013., Registrované v: WOS

12. [1.1] KRAUSE, C. - PICH, A. - ROSELL, I. - SANTOS, J. - SANZ-CILLERO, J.J. Colorful imprints of heavy states in the electroweak effective theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 17 2019, no. 5., Registrované v: WOS

13. [1.1] LARKOSHI, Andrew J. - MOULT, Ian - NEILL, Duff. Factorization and resummation for groomed multi-prong jet shapes. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 2, art. no. 144., Registrované v: WOS

14. [1.1] LEWIS, Ian M. - SULLIVAN, Matthew. Benchmarks for double Higgs production in the singlet-extended standard model at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035037., Registrované v: WOS

15. [1.1] SERENKOVA, I.A. - OSLAND, P. - PANKOV, A.A. Improved bounds on W - W' mixing with ATLAS resonant WZ production data at the LHC at root $s=13$ TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 8 2019, vol. 100, no. 1., Registrované v: WOS

ADCA1154 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDEL KHALEK, S. - ABDINOV, O. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at root $s=8$ TeV. In *Journal of High Energy Physics*, 2015, vol. 2015, no. 1, art. no. 068. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP01\(2015\)068](https://doi.org/10.1007/JHEP01(2015)068)

Ohlasy:

1. [1.1] ABDALLAH, W. - KHALIL, S. MSSM Dark Matter in Light of Higgs and LUX Results. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 5687463., Registrované v: WOS

2. [1.1] ABDULLAH, Mohammad - FENG, Jonathan L. - IWAMOTO, Sho - LILLARD, Benjamin. Heavy bino dark matter and collider signals in the MSSM with vectorlike fourth-generation particles. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 095018., Registrované v: WOS

3. [1.1] AMBROGI, Federico - KRAML, Sabine - KULKARNI, Suchita - LAA, Ursula - LESSA, Andre - WALTENBERGER, Wolfgang. On the coverage of the pMSSM by simplified model results. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 215., Registrované v: WOS

4. [1.1] BELANGER, Geneveve - DA SILVA, Jonathan - HIEU MINH TRAN. Dark matter in $U(1)$ extensions of the MSSM with gauge kinetic mixing. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no.

115017., Registrované v: WOS

5. [1.1] BHATTACHERJEE, Biplob - CHAKRABORTY, Amit - CHOUDHURY, Arghya. Status of the MSSM Higgs sector using global analysis and direct search bounds, and future prospects at the High Luminosity LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 093007., Registrované v: WOS

6. [1.1] CAI, Yi - CLARKE, Jackson D. - VOLKAS, Raymond R. - YANAGIDA, Tsutomu T. TeV-scale pseudo-Dirac seesaw mechanisms in an E-6 inspired model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 033003., Registrované v: WOS

7. [1.1] ENGLERT, Christoph - JAECKEL, Joerg. Getting stuck! Using monosignatures to test highly ionizing particles. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 769, pp. 513-519., Registrované v: WOS

8. [1.1] ERICKCEK, Adrienne L. - GHOSH, Tathagata - NEWSTEAD, Jayden L. - SERCE, Hasan. A Summary of the CETUP*2016 Dark Matter Workshop Discussion Sessions. In WORKSHOP ON NEUTRINO PHYSICS AND UNIFICATION, NEAR DETECTOR PHYSICS AND DARK MATTER (CETUP* 2016). ISSN 0094-243X, 2017, vol. 1900, art. no. UNSP 040010., Registrované v: WOS

9. [1.1] FALKOWSKI, Adam - GONZALEZ-ALONSO, Martin - GRELJO, Admir - MARZOCCA, David. Global Constraints on Anomalous Triple Gauge Couplings in the Effective Field Theory Approach. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 1, art. no. 011801., Registrované v: WOS

10. [1.1] FENG, Lei - LIANG, Yun-Feng - DONG, Tie-Kuang - FAN, Yi-Zhong. Interpretations of the possible 42.7 GeV gamma-ray line. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 4, art. no. 043535., Registrované v: WOS

11. [1.1] FIASCHI, J. - KLASSEN, M. - MAY, S. Singlet-doublet fermion and triplet scalar dark matter with radiative neutrino masses. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 3 2019, no. 5., Registrované v: WOS

12. [1.1] FRANK, Mariana - HUITU, Katri - MAITRA, Ushoshi - PATRA, Monalisa. Probing Higgs-radion mixing in warped models through complementary searches at the LHC and the ILC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055016., Registrované v: WOS

13. [1.1] GARNY, Mathias - HEISIG, Jan - HUFNAGEL, Marco - LUELF, Benedikt. Top-philic dark matter within and beyond the WIMP paradigm. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 075002., Registrované v: WOS

14. [1.1] GAULD, Rhorry - PECJAK, Benjamin D. - SCOTT, Darren J. QCD radiative corrections for $h \rightarrow b(b)\text{-over-bar}$ in the standard model dimension-6 effective field theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 074045., Registrované v: WOS

15. [1.1] GHOSH, Diptimoy - GUPTA, Rick Sandeepan - PEREZ, Gilad. Is the Higgs mechanism of fermion mass generation a fact? A Yukawa-less first-two-generation model. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 755, pp. 504-508., Registrované v: WOS

16. [1.1] GOPALAKRISHNA, Shrihari - MUKHERJEE, Tuhin Subhra - SADHUKHAN, Soumya. Extra neutral scalars with vectorlike fermions at the

LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055004., Registrované v: WOS

17. [1.1] HARIGAYA, Keisuke - NOMURA, Yasunori. Composite models for the 750GeV diphoton excess. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 754, pp. 151-156., Registrované v: WOS

18. [1.1] IWAMOTO, Sho - LEE, Gabriel - SHADMI, Yael - ZIEGLER, Robert. Diphoton signals from colorless hidden quarkonia. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015003., Registrované v: WOS

19. [1.1] KAINULAINEN, Kimmo - TUOMINEN, Kimmo - VASKONEN, Ville. Self-interacting dark matter and cosmology of a light scalar mediator. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1, art. no. 015016., Registrované v: WOS

20. [1.1] WEI, Hua-Rong - LIU, Fu-Hu. A Study of Transverse Momentum Distributions of Jets Produced in p-p, p-(p)over-bar, d-Au, Au-Au, and Pb-Pb Collisions at High Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 263135., Registrované v: WOS

ADCA1155 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Searches for heavy long-lived sleptons and R-hadrons with the ATLAS detector in pp collisions at root s=7 TeV. In *Physics Letters B*, 2013, vol. 720, no. 4-5, p. 277-308. (2012: 4.569 - IF, Q1 - JCR, 3.353 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] ABOUBRAHIM, A. - FENG, W.Z. - NATH, P. A long-lived stop with freeze-in and freeze-out dark matter in the hidden sector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 19 2020, no. 2., Registrované v: WOS

2. [1.1] BARNARD, James - GHERGHETTA, Tony - RAY, Tirtha Sankar - SPRAY, Andrew. The unnatural composite Higgs. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 1, art. no. 067., Registrované v: WOS

3. [1.1] BELANGER, G. - DESAI, N. - GOUDELIS, A. - HARZ, J. - LESSA, A. - NO, J.M. - PUKHOV, A. - SEKMEN, S. - SENGUPTA, D. - ZALDIVAR, B. - ZURITA, J. LHC-friendly minimal freeze-in models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 27 2019, no. 2., Registrované v: WOS

4. [1.1] BIZOT, Nicolas - FRIGERIO, Michele. Fermionic extensions of the Standard Model in light of the Higgs couplings. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 1, art. no. 036., Registrované v: WOS

5. [1.1] BONVINI, Marco - MARZANI, Simone - ROJO, Juan - ROTTOLI, Luca - UBIALI, Maria - BALL, Richard D. - BERTONE, Valerio - CARRAZZA, Stefano - HARTLAND, Nathan P. Parton distributions with threshold resummation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 9, art. no. 191., Registrované v: WOS

6. [1.1] CALIBBI, Lorenzo - FERRETTI, Gabriele - MILSTEAD, David - PETERSSON, Christoffer - POTTGEN, Ruth. Baryon number violation in supersymmetry: n (n)over-bar oscillations as a probe beyond the LHC. In

JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 144., Registrované v: WOS

7. [1.1] JAGER, S. - KVEDARAITE, S. - PEREZ, G. - SAVORAY, I. Bounds and prospects for stable multiply charged particles at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 4 2019, no. 4., Registrované v: WOS

8. [1.1] MERAFINA, M. - SATURNI, F.G. - CURCEANU, C. - DEL GRANDE, R. - PISCICCHIA, K. Self-gravitating strange dark matter halos around galaxies. In PHYSICAL REVIEW D. ISSN 1550-7998, OCT 15 2020, vol. 102, no. 8., Registrované v: WOS

9. [1.1] PATTON, H. - NACHMAN, B. The optimal use of silicon pixel charge information for particle identification. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, JAN 1 2019, vol. 913, p. 91-96., Registrované v: WOS

10. [1.1] ROLBIECKI, Krzysztof - SAKURAI, Kazuki. Long-lived bino and wino in supersymmetry with heavy scalars and higgsinos. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 11, art. no. 091., Registrované v: WOS

ADCA1156 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Searches for heavy ZZ and ZW resonances in the llqq and vvqq final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2018, no. 3, art. no. 009. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP03\(2018\)009](https://doi.org/10.1007/JHEP03(2018)009)

Ohlasy:

1. [1.1] ARCADI, Giorgio. 2HDM portal for singlet-doublet dark matter. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 10, art. no. 864., Registrované v: WOS

2. [1.1] ARPINO, L. - BANFI, A. - JAGER, S. - KAUER, N. BSM WW production with a jet veto. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 13 2019, no. 8., Registrované v: WOS

3. [1.1] BUTTAZZO, Dario - REDIGOLO, Diego - SALA, Filippo - TESI, Andrea. Fusing vectors into scalars at high energy lepton colliders. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 11, art. no. 144., Registrované v: WOS

4. [1.1] GRZADKOWSKI, Bohdan - HABER, Howard E. - OGREID, Odd Magne - OSLAND, Per. Heavy Higgs boson decays in the alignment limit of the 2HDM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 056., Registrované v: WOS

5. [1.1] CHOWDHURY, Debtosh - EBERHARDT, Otto. Update of global Two-Higgs-Doublet model fits. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 161., Registrované v: WOS

6. [1.1] KANEMURA, S. - KIKUCHI, M. - MAWATARI, K. - SAKURAI, K. - YAGYU, K. Full next-to-leading-order calculations of Higgs boson decay rates in models with non-minimal scalar sectors. In NUCLEAR PHYSICS B. ISSN 0550-3213, DEC 2019, vol. 949., Registrované v: WOS

7. [1.1] KANG, Sin Kyu - QIAN, Zhuoni - SONG, Jeonghyeon - YOON, Yeo Woong. Confronting the fourth generation two-Higgs-doublet model with the phenomenology of heavy Higgs bosons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095025., Registrované v: WOS
8. [1.1] LIU, D. - WANG, L.T. - XIE, K.P. Prospects of searching for composite resonances at the LHC and beyond. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 18 2019, no. 1., Registrované v: WOS
9. [1.1] MEGIAS, Eugenio - NARDINI, Germano - QUIROS, Mariano. Cosmological phase transitions in warped space: gravitational waves and collider signatures. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 9, art. no. 095., Registrované v: WOS
10. [1.1] WANG, Lei - SHI, Rongle - HAN, Xiao-Fang - ZHU, Bin. Light scalar dark matter extension of the type-II two-Higgs-doublet model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, art. no. 035024., Registrované v: WOS

ADCA1157 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Searches for Higgs boson pair production in the hh - bb tau tau, gamma gamma WW*, gamma gamma bb, bbbb channels with the ATLAS detector. In *Physical Review D*, 2015, vol. 92, no. 9, art. no. 092004. (2014: 4.643 - IF, Q1 - JCR, 2.414 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.92.092004>

Ohlasy:

1. [1.1] ABDUSSALAM, S. - CABRERA, M.E. Revealing mass-degenerate states in Higgs boson signals. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 2019, vol. 79, no. 12., Registrované v: WOS
2. [1.1] ABDUSSALAM, S.S. Testing Higgs boson scenarios in the phenomenological NMSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 25 2019, vol. 79, no. 5., Registrované v: WOS
3. [1.1] ARBEY, Alexandre - CACCIAPAGLIA, Giacomo - CAI, Haiying - DEANDREA, Aldo - LE CORRE, Solene - SANNINO, Francesco. Fundamental composite electroweak dynamics: Status at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015028., Registrované v: WOS
4. [1.1] ARGANDA, E. - DIAZ-CRUZ, J. L. - MILEO, N. - MORALES, R. A. - SZYNKMAN, A. Search strategies for pair production of heavy Higgs bosons decaying invisibly at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 929, pp. 171-192., Registrované v: WOS
5. [1.1] ARHRIB, A. - BENBRIK, R. - HAROUIZ, H. - MORETTI, S. - ROUCHAD, A. A Guidebook to Hunting Charged Higgs Bosons at the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, MAR 10 2020, vol. 8., Registrované v: WOS
6. [1.1] BAGNASCHI, E. - BAHL, H. - FUCHS, E. - HAHN, T. - HEINEMEYER, S. - LIEBLER, S. - PATEL, S. - SLAVICH, P. - STEFANIAK, T. - WAGNER, C.E.M. - WEIGLEIN, G. MSSM Higgs boson searches at the LHC: benchmark scenarios for Run 2 and beyond. In EUROPEAN PHYSICAL

JOURNAL C. ISSN 1434-6044, JUL 20 2019, vol. 79, no. 7., Registrované v: WOS

7. [1.1] BARMAN, Rahool Kumar - BHATTACHERJEE, Biplob - CHAKRABORTY, Amit - CHOUDHURY, Arghya. Study of MSSM heavy Higgs bosons decaying into charginos and neutralinos. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075013., Registrované v: WOS
8. [1.1] BAUM, Sebastian - FREESE, Katherine - SHAH, Nausheen R. - SHAKYA, Bibhushan. NMSSM Higgs boson search strategies at the LHC and the mono-Higgs signature in particular. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 115036., Registrované v: WOS
9. [1.1] BIEKOETTER, Anke - HEWETT, JoAnne L. - KIM, Jong Soo - KRAEMER, Michael - RIZZO, Thomas G. - ROLBIECKI, Krzysztof - TATTERSALL, Jamie) - WEBER, Torsten. Complementarity of resonant scalar, vector-like quark and superpartner searches in elucidating new phenomena. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 5, art. no. 1750032., Registrované v: WOS
10. [1.1] BISHARA, Fady - CONTINO, Roberto - ROJO, Juan. Higgs pair production in vector-boson fusion at the LHC and beyond. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 7, art. no. 481., Registrované v: WOS
11. [1.1] BOLANOS, A. - DIAZ-CRUZ, J. L. - HERNANDEZ-TOME, G. - TAVARES-VELASCO, G. Has a Higgs-flavon with a 750 GeV mass been detected at the LHC13? In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 761, pp. 310-317., Registrované v: WOS
12. [1.1] BONCIANI, Roberto - DEGRASSI, Giuseppe - GIARDINO, Pier Paolo - GROBER, Ramona. Analytical Method for Next-to-Leading-Order QCD Corrections to Double-Higgs Production. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 16, art. no. 162003., Registrované v: WOS
13. [1.1] CAMPBELL, Robyn - GODFREY, Stephen - DE LA PUENTE, Alejandro. Dilatonlike Higgs boson with scalar singlet dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075023., Registrované v: WOS
14. [1.1] CAO, Junjie - HAN, Chengcheng - SHANG, Liangliang - SU, Wei - YANG, Jin Min - ZHANG, Yang. Interpreting the 750 GeV diphoton excess by the singlet extension of the Manohar-Wise model. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 755, pp. 456-463., Registrované v: WOS
15. [1.1] CARENA, Marcela - LIU, Zhen - RIEMBAU, Marc. Probing the electroweak phase transition via enhanced di-Higgs boson production. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095032., Registrované v: WOS
16. [1.1] COX, Peter - MEDINA, Anibal D. - RAY, Tirtha Sankar - SPRAY, Andrew. Implications of diphoton searches for a radion in the bulk-Higgs scenario. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 4, art. no. 1750020., Registrované v: WOS
17. [1.1] DAWSON, Sally - MURPHY, Christopher W. Standard model EFT and extended scalar sectors. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015041., Registrované v: WOS

18. [1.1] DEGRASSI, Giuseppe - GIARDINO, Pier Paolo - GROBER, Ramona. On the two-loop virtual QCD corrections to Higgs boson pair production in the standard model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 7, art. no. 411., Registrované v: WOS
19. [1.1] DING, Ran - HAN, Zhi-Long - LIAO, Yi - MA, Xiao-Dong. Interpretation of 750 GeV diphoton excess at LHC in singlet extension of color-octet neutrino mass model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, art. no. 204., Registrované v: WOS
20. [1.1] DREYER, Frederic A. - KARLBERG, Alexander. Vector-boson fusion Higgs pair production at (NLO)-L-3. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 114016., Registrované v: WOS
21. [1.1] DREYER, F.A. - KARLBERG, A. Fully differential vector-boson fusion Higgs pair production at next-to-next-to-leading order. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 29 2019, vol. 99, no. 7., Registrované v: WOS
22. [1.1] DREYER, F.A. - KARLBERG, A. - LANG, J.N. - PELLEN, M. Precise predictions for double-Higgs production via vector-boson fusion. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 9 2020, vol. 80, no. 11., Registrované v: WOS
23. [1.1] FAH, Daniel - GREINER, Nicolas. Diphoton production in association with two bottom jets. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 11, art. no. 750., Registrované v: WOS
24. [1.1] FERREIRA, P.M. - LAVOURA, L. No strong CP violation up to the one-loop level in a two-Higgs-doublet model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUL 1 2019, vol. 79, no. 7., Registrované v: WOS
25. [1.1] FRANK, Mariana - HUITU, Katri - MAITRA, Ushoshi - PATRA, Monalisa. Probing Higgs-radion mixing in warped models through complementary searches at the LHC and the ILC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055016., Registrované v: WOS
26. [1.1] GODUNOV, S. I. - VYSOTSKY, M. I. - ZHEMCHUGOV, E. V. Suppression of $H \rightarrow VV$ decay channels in the Georgi-Machacek model. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 751, pp. 505-507., Registrované v: WOS
27. [1.1] GONCALVES, Dorival - HAN, Tao - KLING, Felix - PLEHN, Tilman - TAKEUCHI, Michihisa. Higgs boson pair production at future hadron colliders: From kinematics to dynamics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 113004., Registrované v: WOS
28. [1.1] HUANG, T. - NO, J. M. - PERNIE, L. - RAMSEY-MUSOLF, M. - SAFONOV, A. - SPANNOVSKY, M. - WINSLOW, P. Resonant di-Higgs boson production in the $b(b)\overline{b}WW$ channel: Probing the electroweak phase transition at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035007., Registrované v: WOS
29. [1.1] CHANG, Jung - CHEUNG, Kingman - LU, Chih-Ting. Interpreting the 750 GeV diphoton resonance using photon jets in hidden-valley-like models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075013., Registrované v: WOS
30. [1.1] CHAO, Wei. Neutrino catalyzed diphoton excess. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 911, pp. 231-245., Registrované v: WOS

31. [1.1] CHAO, Wei. Symmetries behind the 750 GeV diphoton excess. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 11, art. no. 115013., Registrované v: WOS
32. [1.1] CHIANG, Cheng-Wei - KUO, An-Li - YAGYU, Kei. Radiative corrections to Higgs couplings with weak gauge bosons in custodial multi-Higgs models. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 774, pp. 119-122., Registrované v: WOS
33. [1.1] JAIN, Bithika - LEE, Seung J. - SON, Minho. Validity of the effective potential and the precision of Higgs field self-couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075002., Registrované v: WOS
34. [1.1] KANG, Zhaofeng. Bound states via Higgs exchanging and heavy resonant di-Higgs. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 771, pp. 313-317., Registrované v: WOS
35. [1.1] KLING, Felix - PLEHN, Tilman - SCHICHTTEL, Peter. Maximizing the significance in Higgs boson pair analyses. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035026., Registrované v: WOS
36. [1.1] KNAPEN, Simon - MELIA, Tom - PAPUCCI, Michele - ZUREK, Kathryn M. Rays of light from the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075020., Registrované v: WOS
37. [1.1] LEWIS, Ian M. - SULLIVAN, Matthew. Benchmarks for double Higgs production in the singlet-extended standard model at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035037., Registrované v: WOS
38. [1.1] LIU, Ning - WANG, Wenyu - ZHANG, Mengchao - ZHENG, Rui. 750 GeV diphoton resonance in a vector-like extension of Hill model at a 100 TeV hadron collider. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 25, art. no. 1650145., Registrované v: WOS
39. [1.1] LI, T. Heavy Higgs bosons at the LHC upgrade. In CHINESE PHYSICS C. ISSN 1674-1137, SEP 2020, vol. 44, no. 9., Registrované v: WOS
40. [1.1] PAPAEFSTATHIOU, Andreas. MULTI-HIGGS BOSON PRODUCTION AND SELF-COUPLING MEASUREMENTS AT HADRON COLLIDERS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2017, vol. 48, no. 6, pp. 1133-1142., Registrované v: WOS
41. [1.1] PATEL, Ketan M. - SHARMA, Pankaj. Interpreting 750 GeV diphoton excess in SU(5) grand unified theory. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 757, pp. 282-288., Registrované v: WOS
42. [1.1] PERELSTEIN, Maxim - TSAI, Yu-Dai. 750 GeV diphoton excess and strongly first-order electroweak phase transition. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015033., Registrované v: WOS
43. [1.1] RAJU, M. - SAHA, J.P. - DAS, D. - KUNDU, A. Double Higgs boson production as an exclusive probe for a sequential fourth generation with wrong-sign Yukawa couplings. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 30 2020, vol. 101, no. 5., Registrované v: WOS
44. [1.1] REICHERT, M. - EICHHORN, A. - GIES, H. - PAWLOWSKI, J. M. - PLEHN, T. - SCHERER, M. M. Probing baryogenesis through the Higgs boson self-coupling. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97,

- no. 7, art. no. 075008., Registrované v: WOS
45. [1.1] RINDANI, S.D. - SINGH, B. Indirect measurement of triple-Higgs coupling at an electron-positron collider with polarized beams. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, FEB 10 2020, vol. 35, no. 4., Registrované v: WOS
46. [1.1] ROBENS, Tania - STEFANIAK, Tim. LHC benchmark scenarios for the real Higgs singlet extension of the standard model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 268., Registrované v: WOS
47. [1.1] VON BUDDENBROCK, Stefan. Exploring LHC Run 1 and 2 data using the Madala hypothesis. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC. ISSN 1742-6588, 2017, vol. 878, art. no. UNSP 012030., Registrované v: WOS
48. [1.1] YOON, Yeo Woong - CHEUNG, Kingman - KANG, Sin Kyu - SONG, Jeonghyeon. Radiative decays of a singlet scalar boson through vectorlike quarks. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 055041., Registrované v: WOS

- ADCA1158 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Searches for scalar leptoquarks and differential cross-section measurements in dilepton-dijet events in proton-proton collisions at a centre-of-mass energy of $\sqrt{s}=13\text{TeV}$ with the ATLAS experiment. In *European Physical Journal C*, 2019, vol. 79, no. 9, art. no. 733. (2018: 4.843 - IF, Q1 - JCR, 1.972 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-019-7181-x>
- Ohlasy:
1. [1.1] ALTMANNSHOFER, W. - GORI, S. - PATEL, H.H. - PROFUMO, S. - TUCKLER, D. Electric dipole moments in a leptoquark scenario for the B-physics anomalies. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 14 2020, no. 5., Registrované v: WOS
2. [1.1] BABU, K.S. - DEV, P.S.B. - JANA, S. - THAPA, A. Non-standard interactions in radiative neutrino mass models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 2 2020, no. 3., Registrované v: WOS
3. [1.1] BATELL, B. - HU, W. - VERHAAREN, C.B. Breaking mirror twin color. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 4 2020, no. 8., Registrované v: WOS
4. [1.1] BHASKAR, A. - DAS, D. - DE, B. - MITRA, S. Enhancing scalar productions with leptoquarks at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 4 2020, vol. 102, no. 3., Registrované v: WOS
5. [1.1] BHASKAR, A. - MANDAL, T. - MITRA, S. Boosting vector leptoquark searches with boosted tops. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 15 2020, vol. 101, no. 11., Registrované v: WOS
6. [1.1] BORSCHENSKY, C. - FUKS, B. - KULESZA, A. - SCHWARTLANDER, D. Scalar leptoquark pair production at hadron colliders. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 16 2020, vol. 101, no. 11., Registrované v: WOS
7. [1.1] BUONOCORE, L. - HAISCH, U. - NASON, P. -

- TRAMONTANO, F. - ZANDERIGHI, G. Lepton-Quark Collisions at the Large Hadron Collider. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, DEC 2 2020, vol. 125, no. 23., Registrované v: WOS
8. [1.1] CRIVELLIN, A. - MULLER, D. - SATURNINO, F. Leptoquarks in oblique corrections and Higgs signal strength: status and prospects. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, NOV 18 2020, no. 11., Registrované v: WOS
9. [1.1] DEKENS, W. - DE VRIES, J. - FUYUTO, K. - MEREGHETTI, E. - ZHOU, G. Sterile neutrinos and neutrinoless double beta decay in effective field theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 16 2020, no. 6., Registrované v: WOS
10. [1.1] CHANDAK, K. - MANDAL, T. - MITRA, S. Hunting for scalar leptoquarks with boosted tops and light leptons. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 18 2019, vol. 100, no. 7., Registrované v: WOS
11. [1.1] KING, S.F. - MORETTI, S. - NEVZOROV, R. A Review of the Exceptional Supersymmetric Standard Model. In SYMMETRY-BASEL. APR 2020, vol. 12, no. 4., Registrované v: WOS
12. [1.1] LEONARDI, R. - PANELLA, O. - ROMEO, F. - GURROLA, A. - SUN, H. - XUE, S.S. Phenomenology at the LHC of composite particles from strongly interacting Standard Model fermions via four-fermion operators of NJL type. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, APR 8 2020, vol. 80, no. 4., Registrované v: WOS
13. [1.1] SAAD, S. - THAPA, A. Common origin of neutrino masses and $RD^{(*)}$, $R-K^{(*)}$ anomalies. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 16 2020, vol. 102, no. 1., Registrované v: WOS
14. [1.1] STOLARSKI, D. - TONERO, A. Constraining new physics with single top production at LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 7 2020, no. 8., Registrované v: WOS

ADCA1159 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Searches for scalar leptoquarks in pp collisions at $\sqrt{s}=8\text{TeV}$ with the ATLAS detector. In *European Physical Journal C*, 2016, vol. 76, no. 1, art. no. 5. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-015-3823-9>

Ohlasy:

1. [1.1] ALVAREZ, E. - SZEWC, M. Nonresonant leptoquark with multigeneration couplings for $\mu\mu jj$ and $\mu\nu jj$ at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 9 2019, vol. 99, no. 9., Registrované v: WOS
2. [1.1] ALVES, A. - EBOLI, O.J.P. - DI CORTONA, G.G. - MOREIRA, R.R. Indirect and monojet constraints on scalar leptoquarks. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 10 2019, vol. 99, no. 9., Registrované v: WOS
3. [1.1] BANDYOPADHYAY, Priyotosh - MANDAL, Rusa. Revisiting scalar leptoquark at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 491., Registrované v: WOS
4. [1.1] BARMAN, B. - BANIK, A.D. - PAUL, A. Singlet-doublet fermionic dark matter and gravitational waves in a two-Higgs-doublet extension

- of the Standard Model. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 24 2020, vol. 101, no. 5., Registrované v: WOS
5. [1.1] BISWAS, A. - GHOSH, D.K. - PATRA, S.K. - SHAW, A. b -> cl nu anomalies in light of extended scalar sectors. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, JUL 30 2019, vol. 34, no. 21., Registrované v: WOS
 6. [1.1] CAI, Yi - GARCIA, Juan Herrero - SCHMIDT, Michael A. - VICENTE, Avelino - VOLKAS, Raymond R. From the Trees to the Forest: A Review of Radiative Neutrino Mass Models. In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2017, vol. 5, art. no. 63., Registrované v: WOS
 7. [1.1] CAI, Yi - HAN, Tao - LI, Tong - RUIZ, Richard. Lepton Number Violation: Seesaw Models and Their Collider Tests. In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2018, vol. 6, art. no. 40., Registrované v: WOS
 8. [1.1] CROON, D. - GONZALO, T.E. - GRAF, L. - KOSNIK, N. - WHITE, G. GUT Physics in the Era of the LHC. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JUN 4 2019, vol. 7., Registrované v: WOS
 9. [1.1] DAVIDSON, Sacha - KUNO, Yoshitaka - SAPORTA, Albert. "Spin-dependent" $\mu \rightarrow e$ conversion on light nuclei. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 2, art. no. 109., Registrované v: WOS
 10. [1.1] DEKENS, W. - DE VRIES, J. - JUNG, M. - VOS, K.K. The phenomenology of electric dipole moments in models of scalar leptoquarks. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JAN 8 2019, no. 1., Registrované v: WOS
 11. [1.1] DERCKS, Daniel - DREINER, Herbi - KRAUSS, Manuel E. - OPFERKUCH, Toby - REINERT, Annika. R-parity violation at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, art. no. 856., Registrované v: WOS
 12. [1.1] DING, Ran - HAN, Zhi-Long - HUANG, Li - LIAO, Yi. Phenomenology of colored radiative neutrino mass model and its implications on cosmic-ray observations. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 10, art. no. 103101., Registrované v: WOS
 13. [1.1] DORSNER, Ilja - FAJFER, Svjetlana - KOSNIK, Nejc. Leptoquark mechanism of neutrino masses within the grand unification framework. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 6, art. no. 417., Registrované v: WOS
 14. [1.1] DORSNER, Ilja - GRELJO, Admir. Leptoquark toolbox for precision collider studies. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 126., Registrované v: WOS
 15. [1.1] FALKOWSKI, A. - STRAUB, D. Flavourful SMEFT likelihood for Higgs and electroweak data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, APR 14 2020, no. 4., Registrované v: WOS
 16. [1.1] FAROUGHY, Darius A. - GRELJO, Admir - KAMENIK, Jernej F. Confronting lepton flavor universality violation in B decays with high-p(T) tau lepton searches at LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 764, pp. 126-134., Registrované v: WOS
 17. [1.1] FORTE, S. - LEVY, A. - RIDOLFI, G. From My Vast Repertoire ... Guido Altarelli's Legacy Preface. In FROM MY VAST REPERTOIRE ... : GUIDO ALTARELLI'S LEGACY. 2019, p. V-+., Registrované v: WOS

18. [1.1] GARCIA-JIMENEZ, I. - MONTANO, J. -
 NAPOLES-CANEDO, G. - NOVALES-SANCHEZ, H. - TOSCANO, J.J. -
 TUTUTI, E.S. Diphoton Higgs signal strength in universal extra dimensions. In
 JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN
 0954-3899, OCT 2020, vol. 47, no. 10., Registrované v: WOS
19. [1.1] GRELJO, Admir - STEFANEK, Ben A. Third family
 quark-lepton unification at the TeV scale. In PHYSICS LETTERS B. ISSN
 0370-2693, 2018, vol. 782, pp. 131-138., Registrované v: WOS
20. [1.1] HERRERO-GARCIA, J. - SCHMIDT, M.A. Neutrino mass
 models: new classification and model-independent upper limits on their scale. In
 EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 2019, vol. 79,
 no. 11., Registrované v: WOS
21. [1.1] HILLER, Gudrun - LOOSE, Dennis - NISANDZIC, Ivan.
 Flavorful leptoquarks at hadron colliders. In PHYSICAL REVIEW D. ISSN
 2470-0010, 2018, vol. 97, no. 7, art. no. 075004., Registrované v: WOS
22. [1.1] HUANG, Z.R. - PARACHA, M.A. - AHMED, I. - LU, C.D.
 Testing leptoquark and Z' models via $B \rightarrow K-1(1270,1400)\mu^{(+)}\mu^{(-)}$ decays.
 In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 30 2019, vol. 100, no. 5.,
 Registrované v: WOS
23. [1.1] CHIANG, C.W. - LU, B.Q. First-order electroweak phase
 transition in a complex singlet model with $Z(3)$ symmetry. In JOURNAL OF
 HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 13 2020, no. 7., Registrované
 v: WOS
24. [1.1] MANDAL, Rusa. Fermionic dark matter in leptoquark portal. In
 EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 9,
 art. no. 726., Registrované v: WOS
25. [1.1] MANDAL, Sanjoy - SINHA, Nita - MITRA, Manimala.
 Probing leptoquarks and heavy neutrinos at the LHeC. In PHYSICAL REVIEW
 D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 095004., Registrované v: WOS
26. [1.1] MONDINI, R. - SCHUBERT, U. - WILLIAMS, C. Top-induced
 contributions to $itH/it \rightarrow b\bar{b}$ and $itH/it \rightarrow c\bar{c}$ at
 $O(\alpha_s^3)$. In JOURNAL
 OF HIGH ENERGY PHYSICS. ISSN 1029-8479, DEC 9 2020, no. 12.,
 Registrované v: WOS
27. [1.1] RAISSI, D.H. - TIZCHANG, S. - NAJAFABADI, M.M. Loop
 induced singlet scalar production through the vector like top quark at future
 lepton colliders. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE
 PHYSICS. ISSN 0954-3899, JUL 2020, vol. 47, no. 7., Registrované v: WOS
28. [1.1] RAJ, Nirmal. Anticipating nonresonant new physics in dilepton
 angular spectra at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017,
 vol. 95, no. 1, art. no. 015011., Registrované v: WOS
29. [1.1] RAMSEY-MUSOLF, Michael J. - WHITE, Graham -
 WINSLOW, Peter. Color breaking baryogenesis. In PHYSICAL REVIEW D.
 ISSN 2470-0010, 2018, vol. 97, no. 12, art. no. 123509., Registrované v: WOS
30. [1.1] SCHMALTZ, M. - ZHONG, Y.M. The leptoquark Hunter's
 guide: large coupling. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN
 1029-8479, JAN 15 2019, no. 1., Registrované v: WOS
31. [1.1] YAMANAKA, N. - SAHOO, B. K. - YOSHINAGA, N. -
 SATO, T. - ASAH, K. - DAS, B. P. Probing exotic phenomena at the interface

of nuclear and particle physics with the electric dipole moments of diamagnetic atoms: A unique window to hadronic and semi-leptonic CP violation. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 3, art. no. 54., Registrované v: WOS

ADCA1160 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCÉI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Searches for supersymmetry with the ATLAS detector using final states with two leptons and missing transverse momentum in root s=7 TeV proton-proton collisions. In *Physics Letters B*, 2012, vol. 709, no. 3, p. 137-157. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2012.01.076>

Ohlasy:

1. [1.1] CASTANEDA, A. A search for beyond the Standard Model physics using a final state with light and boosted muon pairs at the CMS experiment. In FRONTIERS IN THEORETICAL AND APPLIED PHYSICS/UAE 2017 (FTAPS 2017). ISSN 1742-6588, 2017, vol. 869, art. no. UNSP 012046., Registrované v: WOS
2. [1.1] EGANA-UGRINOVIC, Daniel - LOW, Matthew - RUDERMAN, Joshua T. Charged fermions below 100 GeV. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 012., Registrované v: WOS

ADCA1161 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Searches for the Z gamma decay mode of the Higgs boson and for new high-mass resonances in pp collisions at root s=13 TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2017, no. 10, art. no. 112. (2016: 6.063 - IF, Q1 - JCR, 1.163 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP10\(2017\)112](https://doi.org/10.1007/JHEP10(2017)112)

Ohlasy:

1. [1.1] ALMEIDA, E.D. - ALVES, A. - ROSA-AGOSTINHO, N. - EBOLI, O.J.P. - GONZALEZ-GARCIA, M.C. Electroweak sector under scrutiny: A combined analysis of LHC and electroweak precision data. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 6 2019, vol. 99, no. 3., Registrované v: WOS
2. [1.1] BANERJEE, A. - BHATTACHARYYA, G. Probing the Higgs boson through Yukawa force. In NUCLEAR PHYSICS B. ISSN 0550-3213, DEC 2020, vol. 961., Registrované v: WOS
3. [1.1] BIEKOTTER, A. - CORBETT, T. - PLEHN, T. The Gauge-Higgs legacy of the LHC run II. In SCIPOST PHYSICS. ISSN 2542-4653, JUN 2019, vol. 6, no. 6., Registrované v: WOS
4. [1.1] BRUSTEIN, Rain - RAVEH, Yael. Signatures of hypercharge axions at contemporary and future colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 055010., Registrované v: WOS
5. [1.1] DONATO, S. Search and measurement of the SM Higgs boson. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2018, vol. 41, no. 4, art. no. 156., Registrované v:

WOS

6. [1.1] FLORES-SANCHEZ, O. - HERNANDEZ-SANCHEZ, J. - HONORATO, C.G. - MORETTI, S. - ROSADO-NAVARRO, S. Light charged Higgs boson production at the Large Hadron electron Collider. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 13 2019, vol. 99, no. 9., Registrované v: WOS
7. [1.1] GIACOSA, F. - PIOTROWSKA, M. - COITO, S. $X(3872)$ as virtual companion pole of the charm-anticharm state $\chi(c1)(2P)$. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, OCT 20 2019, vol. 34, no. 29., Registrované v: WOS
8. [1.1] GOERTZ, F. - MADGE, E. - SCHWALLER, P. - TENORTH, V.T. Discovering the $h \rightarrow Z \gamma$ decay in $t(\bar{t})$ associated production. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 11 2020, vol. 102, no. 5., Registrované v: WOS
9. [1.1] HERNANDEZ-SANCHEZ, J. - HONORATO, C.G. - MORETTI, S. - ROSADO-NAVARRO, S. Charged Higgs boson production via cb -fusion at the Large Hadron Collider. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 14 2020, vol. 102, no. 5., Registrované v: WOS
10. [1.1] HERRERO, M. - MORALES, R.A. Anatomy of Higgs boson decays into $\gamma\gamma$ and γZ within the electroweak chiral Lagrangian in the R_ξ gauges. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 28 2020, vol. 102, no. 7., Registrované v: WOS
11. [1.1] HUE, L. T. - ARBUZOV, A. B. - HONG, T. T. - NGUYEN, T. Phong - SI, D. T. - LONG, H. N. General one-loop formulas for decay $h \rightarrow Z \gamma$. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 11, art. no. 885., Registrované v: WOS
12. [1.1] HUNG, H.T. - HONG, T.T. - PHUONG, H.H. - MAI, H.L.T. - HUE, L.T. Neutral Higgs boson decays $H \rightarrow Z \gamma\gamma$ in 3-3-1 models. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS
13. [1.1] KACHANOVICH, A. - NIERSTE, U. - NISANDZIC, I. Higgs boson decay into a lepton pair and a photon revisited. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 16 2020, vol. 101, no. 7., Registrované v: WOS
14. [1.1] KANEMURA, S. - MAWATARI, K. - SAKURAI, K. Single Higgs production in association with a photon at electron-positron colliders in extended Higgs models. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 15 2019, vol. 99, no. 3., Registrované v: WOS
15. [1.1] LIU, D. - LOW, I. - VEGA-MORALES, R. A golden probe of nonlinear Higgs dynamics. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 6 2020, vol. 80, no. 9., Registrované v: WOS
16. [1.1] MURPHY, Christopher W. Statistical approach to Higgs boson couplings in the standard model effective field theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 015007., Registrované v: WOS
17. [1.1] PHAN, K.H. - TRAN, D.T. Hypergeometric presentation for one-loop contributing to $H \rightarrow Z \gamma$. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, MAY 2020, vol. 2020, no. 5., Registrované v: WOS

ADCA1162

AABOUD, M. - AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj -

SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Searches for third-generation scalar leptoquarks in root $s=13$ TeV pp collisions with the ATLAS detector. In *Journal of High Energy Physics*, 2019, no. 6, art. no. 144. (2018: 5.833 - IF, Q1 - JCR, 1.016 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP06\(2019\)144](https://doi.org/10.1007/JHEP06(2019)144)

Ohlasy:

1. [1.1] BHASKAR, A. - DAS, D. - DE, B. - MITRA, S. Enhancing scalar productions with leptoquarks at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 4 2020, vol. 102, no. 3., Registrované v: WOS
2. [1.1] BHASKAR, A. - MANDAL, T. - MITRA, S. Boosting vector leptoquark searches with boosted tops. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 15 2020, vol. 101, no. 11., Registrované v: WOS
3. [1.1] BORSCHENSKY, C. - FUKS, B. - KULESZA, A. - SCHWARTLANDER, D. Scalar leptoquark pair production at hadron colliders. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 16 2020, vol. 101, no. 11., Registrované v: WOS
4. [1.1] BUONOCORE, L. - HAISCH, U. - NASON, P. - TRAMONTANO, F. - ZANDERIGHI, G. Lepton-Quark Collisions at the Large Hadron Collider. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, DEC 2 2020, vol. 125, no. 23., Registrované v: WOS
5. [1.1] CHANDAK, K. - MANDAL, T. - MITRA, S. Hunting for scalar leptoquarks with boosted tops and light leptons. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 18 2019, vol. 100, no. 7., Registrované v: WOS
6. [1.1] SAAD, S. Combined explanations of $(g-2)(\mu)$, $R-D^{(*)}$, $R-K^{(*)}$ anomalies in a two-loop radiative neutrino mass model. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 20 2020, vol. 102, no. 1., Registrované v: WOS
7. [1.1] SAAD, S. - THAPA, A. Common origin of neutrino masses and $RD^{(*)}$, $R-K^{(*)}$ anomalies. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 16 2020, vol. 102, no. 1., Registrované v: WOS
8. [1.1] SU, J.Y. - TANDEAN, J. Exploring leptoquark effects in hyperon and kaon decays with missing energy. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 27 2020, vol. 102, no. 7., Registrované v: WOS

ADCA1163 ACHARYA, S. - ADAMOŤ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Searches for transverse momentum dependent flow vector fluctuations in Pb–Pb and p–Pb collisions at the LHC. In *Journal of High Energy Physics*, 2017, no. 9, art. no. 032. (2016: 6.063 - IF, Q1 - JCR, 1.163 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP09\(2017\)032](https://doi.org/10.1007/JHEP09(2017)032)

Ohlasy:

1. [1.1] BOZEK, Piotr - BRONIOWSKI, Wojciech. Longitudinal decorrelation measures of flow magnitude and event-plane angles in ultrarelativistic nuclear collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034913., Registrované v: WOS
2. [1.1] BOZEK, Piotr. Angle and magnitude decorrelation in the factorization breaking of collective flow. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 6, art. no. 064906., Registrované v: WOS

3. [1.1] GARDIM, Fernando G. - GRASSI, Frederique - ISHIDA, Pedro - LUZUM, Matthew - MAGALHAES, Pablo S. - NORONHA-HOSTLER, Jacquelyn. Sensitivity of observables to coarse-graining size in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 6, art. no. 064919., Registrované v: WOS
4. [1.1] GARDIM, Fernando G. - GRASSI, Frederique - ISHIDA, Pedro - LUZUM, Matthew - MAGALHAES, Pablo S. - NORONHA-HOSTLER, Jacquelyn. Probing the transverse size of initial inhomogeneities with flow observables. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 419-422., Registrované v: WOS
5. [1.1] WEI, D.X. Transverse momentum dependent decorrelation in Pb-Pb collisions at LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, AUG 2020, vol. 29, no. 8., Registrované v: WOS
6. [1.1] XU, Yingru - BERNHARD, Jonah E. - BASS, Steffen A. - NAHRGANG, Marlene. Data-driven analysis for the temperature and momentum dependence of the heavy-quark diffusion coefficient in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 1, art. no. 014907., Registrované v: WOS

ADCA1164 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman.

Signature-based search for delayed photons in exclusive photon plus missing transverse energy events from $p(\bar{p})$ collisions with $\sqrt{s}=1.96$ TeV. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2013, vol. 88, no. 3, art. no. R031103. (2012: 4.691 - IF, Q1 - JCR, 2.725 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.88.031103>

Ohlasy:

1. [1.1] LIU, Zhen - TWEEDIE, Brock. The fate of long-lived superparticles with hadronic decays after LHC Run 1. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, art. no. 042., Registrované v: WOS

ADCA1165 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. In *European Physical Journal C*, 2013, vol. 73, no. 3, art. no. 2305. (2012: 5.247 - IF, Q1 - JCR, 3.034 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1434-6044.

Ohlasy:

1. [1.1] GONCALVES, Dorival - KRAUSS, Frank - SPANNOVSKY, Michael. Augmenting the diboson excess for the LHC Run II. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 5, art. no. 053010., Registrované v: WOS
2. [1.1] SPANNOVSKY, Michael - STOLL, Martin. Tracking new physics at the LHC and beyond. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 054033., Registrované v: WOS
3. [1.1] TSISKARIDZE, Shota. Systematic Uncertainties. In SEARCH FOR FLAVOR-CHANGING NEUTRAL CURRENT TOP QUARK DECAYS T HQ, WITH H BB, IN PP COLLISIONS AT $\sqrt{s} = 8$ TEV WITH THE ATLAS DETECTOR. ISSN 2190-5053, 2017, pp. 143-159., Registrované v: WOS

ADCA1166 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Standalone vertex finding in the ATLAS muon spectrometer (ATLAS Collaborarion). In *Journal of Instrumentation*, 2014, vol. 9, art. no. P02001. (2013: 1.526 - IF, Q2 - JCR, 0.708 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1748-0221.

Ohlasy:

1. [1.1] ALIPOUR-FARD, S. - CRAIG, N. - GORI, S. - KOREN, S. - REDIGOLO, D. The second Higgs at the lifetime frontier. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 6 2020, no. 7., Registrované v: WOS

ADCA1167 AAMODT, K. - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - ŠÁNDOR, Ladislav - VALA, Martin. Strange particle production in proton-proton collisions at $\sqrt{s}=0.9$ TeV with ALICE at the LHC. In *European Physical Journal C*, 2011, vol. 71, no. 3, art. no. 1594. (2010: 3.248 - IF, Q2 - JCR, 2.215 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1434-6044.

Ohlasy:

1. [1.1] AJAZ, M. - MARYAM. p(T) spectra of charged hadrons in proton-proton collisions at $\sqrt{s}=200$ GeV. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, JUN 21 2019, vol. 34, no. 19., Registrované v: WOS
2. [1.1] AJAZ, M. - TUFAIL, M. - ALI, Y. Production of light flavored charged hadron in pp collisions at 900 GeV with hadron production models. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, APR 30 2019, vol. 34, no. 13., Registrované v: WOS
3. [1.1] AJAZ, M. - TUFAIL, M. - ALI, Y. Study of the Production of Strange Particles in Proton-Proton Collisions at $\sqrt{s}=0.9$ TeV. In ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING. ISSN 2193-567X, JAN 2020, vol. 45, no. 1, p. 411-416., Registrované v: WOS
4. [1.1] ASMALIZA, M.N.N. - SIDEK, L.M. Water Quality Improvement Using Floating Treatment Wetland for Sustainable Management of Dams and Reservoirs. In PROCEEDINGS OF THE 1ST INTERNATIONAL CONFERENCE ON DAM SAFETY MANAGEMENT AND ENGINEERING, ICDSME 2019. ISSN 1614-810X, 2020, p. 133-139., Registrované v: WOS
5. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
6. [1.1] BEGUN, Viktor - KIKOLA, Daniel - VOYCHENKO, Volodymyr - WIELANEK, Daniel. Estimation of the freeze-out parameters reachable in a fixed-target experiment at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034905., Registrované v: WOS
7. [1.1] BEITEL, M. - GALLMEISTER, K. - GREINER, C. Fast Dynamical Evolution of Hadron Resonance Gas via Hagedorn States. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012076., Registrované v: WOS
8. [1.1] BEITEL, M. - GREINER, C. - STOECKER, H. Fast dynamical

evolution of a hadron resonance gas via Hagedorn states. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 021902.,
Registrované v: WOS

9. [1.1] BIERLICH, Christian - CHRISTIANSEN, Jesper Roy. Effects of color reconnection on hadron flavor observables. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 094010., Registrované v: WOS

10. [1.1] BLUM, Kfir - SATO, Ryosuke - TAKIMOTO, Masahiro. e^{+} and (p) over-bar production in pp collisions and the cosmic-ray $e^{+}/(p)$ over-bar ratio. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 6, art. no. 063022., Registrované v: WOS

11. [1.1] BRODSKY, S.J. - LYKASOV, G.I. - LIPATOV, A.V. - SMIESKO, J. Novel heavy-quark physics phenomena. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, SEP 2020, vol. 114., Registrované v: WOS

12. [1.1] D'YACHENKO, A.T. Spectra of Secondary Particles in High-Energy Proton-Proton Collisions in the Thermodynamic Model and the Possibility of Detection of Particles of Dark Matter. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, DEC 2020, vol. 83, no. 11, p. 1597-1601., Registrované v: WOS

13. [1.1] FELIPE DIAZ-CARDENAS, Alfonso - DEL RAYO SANKEY-GARCIA, Maria - DIAZ-FURLONG, Alfonso - ADRIAN DIAZ-FURLONG, Hector - XOXOCOTZI-AGUILAR, Reyna - JAIME VAZQUEZ-LOPEZ, Jose - APAM-GARCIA, Cynthia. Characteristics of the scientific production of Puebla institutions indexed in the Web of Science. In INVESTIGACION BIBLIOTECOLOGICA. ISSN 0187-358X, 2017, pp. 43-77., Registrované v: WOS

14. [1.1] HE, X.W. - WU, F.M. - WEI, H.R. - HONG, B.H. Energy-Dependent Chemical Potentials of Light Hadrons and Quarks Based on Transverse Momentum Spectra and Yield Ratios of Negative to Positive Particles. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, NOV 5 2020, vol. 2020., Registrované v: WOS

15. [1.1] HOMOR, Marietta M. - JAKOVAC, Antal. Particle yields from numerical simulations. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 074504., Registrované v: WOS

16. [1.1] INAM-UL BASHIR - PARRA, R.A. - BHAT, R.A. - UDDIN, S. Particle Transverse Momentum Distributions in p-p Collisions at $\sqrt{s_{NN}}=0.9$ TeV. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2019, vol. 2019., Registrované v: WOS

17. [1.1] JIANG, Kun - ZHU, Yinying - LIU, Weitao - CHEN, Hongfang - LI, Cheng - RUAN, Lijuan - TANG, Zebo - XU, Zhangbu. Onset of radial flow in p plus p collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 2, art. no. 024910., Registrované v: WOS

18. [1.1] JOHNSON, P.D. The use and abuse of term ochlos in Thucydides. In SYNTHESIS-LA PLATA. ISSN 0328-1205, DEC 2020, vol. 27, no. 2., Registrované v: WOS

19. [1.1] KACHELRIESS, M.M. - OSTAPCHENKO, S. - TJEMSLAND, J. Revisiting cosmic ray antinuclei fluxes with a new coalescence model. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, AUG 2020, no. 8., Registrované v: WOS

20. [1.1] KNOSPE, A. G. Resonances as Probes of Heavy-Ion Collisions

at ALICE. In HOT QUARKS 2014: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS. ISSN 1742-6588, 2015, vol. 612, art. no. 012064., Registrované v: WOS

21. [1.1] KOSHELKIN, Andrew V. - WONG, Cheuk-Yin. Dynamics of Quarks in a 2D Flux Tube. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. 01004., Registrované v: WOS

22. [1.1] KUBOS, J. Studies of Hyperon Production in HADES-Cascade Production. In RECENT PROGRESS IN FEW-BODY PHYSICS. ISSN 0930-8989, 2020, vol. 238, p. 987-994., Registrované v: WOS

23. [1.1] LAO, H.L. - GAO, Y.Q. - LIU, F.H. Energy Dependent Chemical Potentials of Light Particles and Quarks from Yield Ratios of Antiparticles to Particles in High Energy Collisions. In UNIVERSE. JUN 2019, vol. 5, no. 6., Registrované v: WOS

24. [1.1] LAO, H.L. - GAO, Y.Q. - LIU, F.H. Light Particle and Quark Chemical Potentials from Negatively to Positively Charged Particle Yield Ratios Corrected by Removing Strong and Weak Decays. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, JAN 9 2020, vol. 2020., Registrované v: WOS

25. [1.1] LI, L.L. - LIU, F.H. Kinetic Freeze-Out Properties from Transverse Momentum Spectra of Pions in High Energy Proton-Proton Collisions. In PHYSICS. JUN 2020, vol. 2, no. 2, p. 277-308., Registrované v: WOS

26. [1.1] LYKASOV, G. I. - MALAKHOV, A. I. Self-consistent analysis of hadron production in pp and AA collisions at mid-rapidity. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 11, art. no. 187., Registrované v: WOS

27. [1.1] MALAKHOV, A.I. - LYKASOV, G.I. Mid-rapidity dependence of pion production in p - p and A - A collisions.. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, APR 16 2020, vol. 56, no. 4., Registrované v: WOS

28. [1.1] MAZELIAUSKAS, A. - FLOERCHINGER, S. - GROSSI, E. - TEANEY, D. Fast resonance decays in nuclear collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2019, vol. 79, no. 3., Registrované v: WOS

29. [1.1] OLIMOV, K.K. - IQBAL, A. - MASOOD, S. Systematic analysis of midrapidity transverse momentum spectra of identified charged particles in p plus p collisions at $(s_{nn})^{1/2}=2.76, 5.02$, and 7 TeV at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, SEP 30 2020, vol. 35, no. 27., Registrované v: WOS

30. [1.1] PALNI, P. - KHUNTIA, A. - BARTALINI, P. Evolution of strange and multi-strange hadron production with relative transverse multiplicity activity in underlying event. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 6 2020, vol. 80, no. 10., Registrované v: WOS

31. [1.1] PARK, C.B. A singular way to search for heavy resonances in missing energy events. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 14 2020, no. 7., Registrované v: WOS

32. [1.1] PARVAN, A.S. - BHATTACHARYYA, T. Hadron transverse momentum distributions of the Tsallis normalized and unnormalized statistics. In

EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, FEB 27 2020, vol. 56, no. 2., Registrované v: WOS

33. [1.1] PISKOUNOVA, O.I. Baryon production at LHC experiments: average $p(t)$ of hyperons versus energy. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, MAY 10 2020, vol. 35, no. 13., Registrované v: WOS

34. [1.1] RAGAB, N.A. - SHE, Z.L. - CHEN, G. Light (anti-)nuclei and (anti-)hypertriton production in pp collisions at $\sqrt{s}=0.90, 2.76$ and 7 TeV. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, SEP 17 2020, vol. 135, no. 9., Registrované v: WOS

35. [1.1] RAMIREZ-SANHEZ, F. - GUTIERREZ-RODRIGUEZ, A. - GONZALEZ-SANCHEZ, Alejandro - HERNANDEZ-RUIZ, M. A. Z' and Higgs Boson Production Associated with a Top Quark Pair as a Probe of the U(1)(B-L) Model at $e(+)e(-)$ Colliders. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2018, art. no. 8523854., Registrované v: WOS

36. [1.1] REINERT, Annika - WINKLER, Martin Wolfgang. A precision search for WIMPs with charged cosmic rays. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 1, art. no. 055., Registrované v: WOS

37. [1.1] RYBCZYNSKI, Maciej - WLODARCZYK, Zbigniew. Imprints of energy limitation in transverse momentum distributions of jets. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 7, art. no. 80., Registrované v: WOS

38. [1.1] RYBCZYNSKI, M. - WLODARCZYK, Z. Similarities in Multiparticle Production Processes in pp Collisions as Imprints of Nonextensive Statistics. In SYMMETRY-BASEL. AUG 2020, vol. 12, no. 8., Registrované v: WOS

39. [1.1] SARASWAT, Kapil - SHUKLA, Prashant - SINGH, Venktesh. Transverse momentum spectra of hadrons in high energy pp and heavy ion collisions. In JOURNAL OF PHYSICS COMMUNICATIONS. ISSN 2399-6528, 2018, vol. 2, no. 3, art. no. 035003., Registrované v: WOS

40. [1.1] SHEN, K.M. Analysis on hadron spectra in heavy-ion collisions with a new non-extensive approach. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, OCT 2019, vol. 46, no. 10., Registrované v: WOS

41. [1.1] TSALLIS, Constantino. On the foundations of statistical mechanics. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2017, vol. 226, no. 7, pp. 1433-1443., Registrované v: WOS

42. [1.1] WEI, Hua-Rong - LIU, Fu-Hu - LACEY, Roy A. Disentangling random thermal motion of particles and collective expansion of source from transverse momentum spectra in high energy collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 12, art. no. 125102., Registrované v: WOS

43. [1.1] WEI, Hua-Rong - LIU, Fu-Hu - LACEY, Roy A. Kinetic freeze-out temperature and flow velocity extracted from transverse momentum spectra of final-state light flavor particles produced in collisions at RHIC and LHC. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 4, art. no. 102., Registrované v: WOS

44. [1.1] WINKLER, Martin Wolfgang. Cosmic ray antiprotons at high energies. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE

PHYSICS. ISSN 1475-7516, 2017, no. 2, art. no. 048., Registrované v: WOS
 45. [1.1] ZHANG, C. - ZHENG, L. - LIU, F. - SHI, S.S. - LIN, Z.W. Update of a multiphase transport model with modern parton distribution functions and nuclear shadowing. In PHYSICAL REVIEW C. ISSN 2469-9985, JUN 24 2019, vol. 99, no. 6., Registrované v: WOS
 46. [1.1] ZHAO, Y.P. Thermodynamic properties and transport coefficients of QCD matter within the nonextensive Polyakov-Nambu-Jona-Lasinio model. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 11 2020, vol. 101, no. 9., Registrované v: WOS
 47. [1.1] ZHENG, H. - ZHU, X.R. - ZHU, L.L. - BONASERA, A. Systematic investigation of the particle spectra in heavy-ion collisions at the Large Hadron Collider. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, JUL 10 2020, vol. 35, no. 21., Registrované v: WOS

ADCA1168 ANTINORI, F. - KRÁLIK, Ivan - ŠÁNDOR, Ladislav. Strangeness enhancements at central rapidity in 40 A GeV/c Pb-Pb collisions. In *Journal of Physics G: Nuclear and particle physics*, 2010, vol. 37, no. 4, art. no. 045105. (2009: 2.124 - IF, Q2 - JCR, 1.758 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0954-3899. Dostupné na: <https://doi.org/10.1088/0954-3899/37/4/045105>

Ohlasy:

1. [1.1] BUFALINO, S. Strangeness and nuclei production in nuclear collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 64-70., Registrované v: WOS
2. [1.1] CIFARELLI, L. - NANIA, R. - NOFERINI, F. - SCAPPARONE, E. - ZICHICHI, A. Insights from the ALICE quark-gluon coloured world at the LHC. In RIVISTA DEL NUOVO CIMENTO. ISSN 0393-697X, 2016, vol. 39, no. 10, pp. 497-545., Registrované v: WOS
3. [1.1] COLELLA, Domencio - COLLABORATION, A. L. I. C. E. Multi-strange baryon production in pp, p Pb and Pb Pb collisions measured with ALICE. In HOT QUARKS 2014: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS. ISSN 1742-6588, 2015, vol. 612, art. no. 012062., Registrované v: WOS
4. [1.1] DRNOYAN, J. - LEVTEROVA, E. - VASENDINA, V. - ZINCHENKO, A. - ZINCHENKO, D. Perspectives of Multistrange Hyperon Study at NICA/MPD from Realistic Monte Carlo Simulation. In PHYSICS OF PARTICLES AND NUCLEI LETTERS. ISSN 1547-4771, JAN 2020, vol. 17, no. 1, p. 32-43., Registrované v: WOS
5. [1.1] KOLESNIKOV, V. - KIREYEU, V. - MUDROKH, A. - VASENDINA, V. - ZINCHENKO, A. Perspective study of strangeness with the MPD detector at NICA. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, NOV 2020, vol. 29, no. 11, SI., Registrované v: WOS
6. [1.1] PREGHENELLA, Roberto. Small systems at the LHC. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 11003., Registrované v: WOS
7. [1.1] TAWFIK, Abdel Nasser - YASSIN, Hayam - ELYAZEED, Eman R. Abo. Strangeness production in high-energy collisions and

Hawking-Unruh radiation. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2017, vol. 26, no. 3, art. no. 1750001., Registrované v: WOS

ADCA1169 AARON, F.D. - BRUNCKO, Dušan - FERENCEI, Jozef - MURÍN, Pavol - TOMASZ, Filip. Strangeness production at low $Q(2)$ in deep-inelastic ep scattering at HERA. In *European Physical Journal C*, 2009, vol. 61, no. 2, p. 185-205. (2008: 2.805 - IF, Q2 - JCR, 1.974 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-009-0995-1>

Ohlasy:

1. [1.1] BIERLICH, Christian - GUSTAFSON, Gosta - LONNBLAD, Leif - TARASOV, Andrey. Effects of overlapping strings in pp collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 3, art. no. 148., Registrované v: WOS

ADCA1170 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Strong evidence for ZZ production in pp collisions at $\sqrt{s}=1.96$ TeV. In *Physical Review Letters*, 2008, vol. 100, no. 20, art. no. 201801. (2007: 6.944 - IF, Q1 - JCR, 5.950 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.100.201801>

Ohlasy:

1. [1.1] AGAEV, S. S. - AZIZI, K. - SUNDU, H. Strong $D\text{-}s^*D\text{-}s$ $\eta(\prime)$ and $B\text{-}s^*B\text{-}s$ $\eta(\prime)$ vertices from QCD light-cone sum rules. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, art. no. 116010., Registrované v: WOS

ADCA1171 ACHARYA, S. - ADAMOVÁ, D. - ADHYA, S.P. - ADLER, A. - ADOLFSSON, J. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Studies of J/psi production at forward rapidity in Pb-Pb collisions at $\sqrt{s(NN)}=5.02$ TeV. In *Journal of High Energy Physics*, 2020, no. 2, art. no. 041. (2019: 5.875 - IF, Q1 - JCR, 0.948 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP02\(2020\)041](https://doi.org/10.1007/JHEP02(2020)041)

Ohlasy:

1. [1.1] WOLSCHIN, G. Bottomonium spectroscopy in the quark-gluon plasma. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, OCT 20 2020, vol. 35, no. 29., Registrované v: WOS

ADCA1172 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - STRÍŽENEC, Pavol. Studies of the performance of the ATLAS detector using cosmic-ray muons. In *European Physical Journal C*, 2011, vol. 71, no. 3, art. no. 1593. (2010: 3.248 - IF, Q2 - JCR, 2.215 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1434-6044.

Ohlasy:

1. [1.1] BERESFORD, L. - LIU, J. Search Strategy for Stopped and Dark Matter Using the LHC as a Photon Collider. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, OCT 3 2019, vol. 123, no. 14., Registrované v:

WOS

2. [1.1] CHENG, Yangyang. The ATLAS Experiment at the Large Hadron Collider. In SEARCH FOR DARK MATTER PRODUCED IN ASSOCIATION WITH A HIGGS BOSON DECAYING TO TWO BOTTOM QUARKS AT ATLAS. ISSN 2190-5053, 2017, pp. 25-39., Registrované v: WOS
3. [1.1] TSISKARIDZE, Shota. The ATLAS Experiment at the Large Hadron Collider. In SEARCH FOR FLAVOR-CHANGING NEUTRAL CURRENT TOP QUARK DECAYS T HQ, WITH H BB, IN PP COLLISIONS AT S = 8 TEV WITH THE ATLAS DETECTOR. ISSN 2190-5053, 2017, pp. 37-58., Registrované v: WOS

ADCA1173 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Studies of Z gamma production in association with a high-mass dijet system in pp collisions at root s=8 TeV with the ATLAS detector. 10.1007/JHEP07(2017)107. In *Journal of High Energy Physics*, 2017, no. 7, art. no. 107. (2016: 6.063 - IF, Q1 - JCR, 1.163 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP07\(2017\)107](https://doi.org/10.1007/JHEP07(2017)107)

Ohlasy:

1. [1.1] ARGANDA, E. - GARCIA-GARCIA, C. - HERRERO, M.J. Probing the Higgs self-coupling through double Higgs production in vector boson scattering at the LHC. In NUCLEAR PHYSICS B. ISSN 0550-3213, AUG 2019, vol. 945., Registrované v: WOS
2. [1.1] HENNING, B. - LOMBARDO, D. - RIEMBAU, M. - RIVA, F. Measuring Higgs Couplings without Higgs Bosons. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, OCT 29 2019, vol. 123, no. 18., Registrované v: WOS

ADCA1174 ADAM, J. - ADAMOVIĆ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Study of cosmic ray events with high muon multiplicity using the ALICE detector at the CERN Large Hadron Collider. In *Journal of Cosmology and Astroparticle Physics*, 2016, no. 1, art. no. 032. (2015: 5.634 - IF, Q1 - JCR, 1.271 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1475-7516. Dostupné na: <https://doi.org/10.1088/1475-7516/2016/01/032>

Ohlasy:

1. [1.1] DEYAZADA, M. - VANDOREN, B. - DRAGAN, D. - DEGEE, H. Experimental investigations on the resistance of masonry walls with AAC thermal break layer. In CONSTRUCTION AND BUILDING MATERIALS. ISSN 0950-0618, 2019, vol. 224, pp. 474-492., Registrované v: WOS
2. [1.1] DEY, Rajat K. - DAM, Sandip. A proposed method for measurement of cosmic-ray mass composition based on geomagnetic spectroscopy. In EXPERIMENTAL ASTRONOMY. ISSN 0922-6435, 2017, vol. 43, no. 1, pp. 75-98., Registrované v: WOS
3. [1.1] EBR, Jan - NECESAL, Petr - RIDKY, Jan. Soft particle production in very high energy hadron interactions. In ASTROPARTICLE PHYSICS. ISSN 0927-6505, 2017, vol. 90, pp. 37-49., Registrované v: WOS
4. [1.1] GAVRILYUK, A. A. - RAMAKOTI, E. N. - TSUKERMAN, I.

- I. Z-Boson Control Region and Search for a Heavy Higgs Boson in $H \rightarrow WW \rightarrow l\nu l\nu$ Decay Channel in Proton-Proton Collisions at 13 TeV with the ATLAS Experiment at LHC. In *PHYSICS OF ATOMIC NUCLEI*. ISSN 1063-7788, 2019, vol. 82, no. 12, pp. 1701-1705., Registrované v: WOS
5. [1.1] HARVEY, T.V. - TANG, A.M. - SEVA, A.D. - DOS SANTOS, C.A. - CARVALHO, S.M.S. - DA ROCHA, C.M.B.M. - OLIVEIRA, B.C.M. - ALBUQUERQUE, G.R. Enteric parasitic infections in children and dogs in resource-poor communities in northeastern Brazil: Identifying priority prevention and control areas. In *PLOS NEGLECTED TROPICAL DISEASES*. ISSN 1935-2735, JUN 2020, vol. 14, no. 6., Registrované v: WOS
6. [1.1] MARUYAMA, T. A woman with primary ovarian insufficiency had two live births resulting from intrauterine inseminations during 10 years of ovarian follicle monitoring. In *JOURNAL OF OBSTETRICS AND GYNAECOLOGY RESEARCH*. ISSN 1341-8076, OCT 2020, vol. 46, no. 10, p. 2159-2163., Registrované v: WOS
7. [1.1] MERAFINA, M. - SATURNI, F.G. - CURCEANU, C. - DEL GRANDE, R. - PISCICCHIA, K. Self-gravitating strange dark matter halos around galaxies. In *PHYSICAL REVIEW D*. ISSN 1550-7998, OCT 15 2020, vol. 102, no. 8., Registrované v: WOS
8. [1.1] RYBCZYNSKI, Maciej - WLODARCZYK, Zbigniew. Puzzle of muons in extensive air showers. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS D*. ISSN 0218-2718, 2019, vol. 28, no. 8., Registrované v: WOS

ADCA1175 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Study of hard double-parton scattering in four-jet events in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS experiment. In *Journal of High Energy Physics*, 2016, vol. 2016, no. 11, art. no. 110. (2015: 6.023 - IF, Q1 - JCR, 1.343 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP11\(2016\)110](https://doi.org/10.1007/JHEP11(2016)110)

Ohlasy:

1. [1.1] ALVIOLI, M. - AZARKIN, M. - BLOK, B. - STRIKMAN, M. Revealing minijet dynamics via centrality dependence of double parton interactions in proton-nucleus collisions. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, JUN 8 2019, vol. 79, no. 6., Registrované v: WOS
2. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In *MULTIPLE PARTON INTERACTIONS AT THE LHC*. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
3. [1.1] BLOK, Boris - JAKEL, Christian D. - STRIKMAN, Marj - WIEDEMANN, Urs Achim. Collectivity from interference. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2017, no. 12, art. no. 074., Registrované v: WOS
4. [1.1] BLOK, B. - CECCOPIERI, F.A. Four -jet production via double parton scattering in pA collisions at the LHC. In *PHYSICAL REVIEW D*. ISSN 1550-7998, MAY 26 2020, vol. 101, no. 9., Registrované v: WOS
5. [1.1] BORSCHENSKY, Christoph - KULESZA, Anna. Double parton scattering in pair production of J/ψ mesons at the LHC revisited. In

- PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 034029.,
Registrované v: WOS
6. [1.1] BUFFING, Maarten G. A. - DIEHL, Markus - KASEMETS, Tomas. Transverse momentum in double parton scattering: factorisation, evolution and matching. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 1, art. no. 044., Registrované v: WOS
7. [1.1] CABOUAT, B. - GAUNT, J.R. Combining single and double parton scatterings in a parton shower. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 1 2020, no. 10., Registrované v: WOS
8. [1.1] CECCOPIERI, Federico Alberto - RINALDI, Matteo - SCOPETTA, Sergio. Parton correlations in same-sign W pair production via double parton scattering at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, art. no. 114030., Registrované v: WOS
9. [1.1] DIEHL, M. - GAUNT, J.R. - PLOSSL, P. - SCHAFER, A. Two-loop splitting in double parton distributions. In SCIPOST PHYSICS. ISSN 2542-4653, AUG 2019, vol. 7, no. 2., Registrované v: WOS
10. [1.1] DIEHL, M. - GAUNT, J.R. - LANG, D.M. - PLOSSL, P. - SCHAFER, A. Sum rule improved double parton distributions in position space. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 25 2020, vol. 80, no. 5., Registrované v: WOS
11. [1.1] D'ENTERRIA, David - SNIGIREV, Alexander M. Triple-parton scatterings in proton-nucleus collisions at high energies. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 5, art. no. 359., Registrované v: WOS
12. [1.1] FEDKEVYCH, O. - LONNBLAD, L. Four-jet double parton scattering production in proton-nucleus collisions within the PYTHIA8 framework. In PHYSICAL REVIEW D. ISSN 1550-7998, JUL 17 2020, vol. 102, no. 1., Registrované v: WOS
13. [1.1] GOTSMAN, E. - LEVIN, E. Double parton interaction: The values of $\sigma(\text{eff})$. In PHYSICS LETTERS B. ISSN 0370-2693, APR 10 2020, vol. 803., Registrované v: WOS
14. [1.1] KUMAR, R. - BANSAL, M. - BANSAL, S. Jet fragmentation as a tool to explore double parton scattering using Z-boson plus jets processes at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 17 2019, vol. 99, no. 9., Registrované v: WOS
15. [1.1] LANSBERG, J.P. - SHAO, H.S. - YAMANAKA, N. - ZHANG, Y.J. - NOUS, C. Complete NLO QCD study of single- and double-quarkonium hadroproduction in the colour-evaporation model at the Tevatron and the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, AUG 10 2020, vol. 807., Registrované v: WOS
16. [1.1] MACIULA, Rafal - SZCZUREK, Antoni. Double-parton scattering effects in associated production of charm mesons and dijets at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, art. no. 074013., Registrované v: WOS
17. [1.1] MACIULA, Rafal - SZCZUREK, Antoni. Double-parton scattering effects in $(\text{DB}^+)-\text{B}^0$ and B^+B^+ meson-meson pair production in proton-proton collisions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 094010., Registrované v: WOS
18. [1.1] MONDAL, C. - MUKHERJEE, A. - NAIR, S. Double parton distributions for a positroniumlike bound state using light-front wave functions.

In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 1 2019, vol. 100, no. 9.,
Registrované v: WOS

19. [1.1] PROKHOROV, A.A. - LIPATOV, A.V. - MALYSHEV, M.A. -
BARANOV, S.P. Revisiting the production of J/psi pairs at the LHC. In
EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 11 2020, vol.
80, no. 11., Registrované v: WOS

20. [1.1] RINALDI, Matteo - CECCOPIERI, Federico Alberto. Hadronic
structure from double parton scattering. In PHYSICAL REVIEW D. ISSN
2470-0010, 2018, vol. 97, no. 7, art. no. 071501., Registrované v: WOS

21. [1.1] RINALDI, M. - CECCOPIERI, F.A. Double parton scattering
and the proton transverse structure at the LHC. In JOURNAL OF HIGH
ENERGY PHYSICS. ISSN 1029-8479, SEP 12 2019, no. 9., Registrované v:
WOS

ADCA1176 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Study of heavy-flavor quarks produced in association with top-quark pairs at root s=7 TeV using the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2014, vol. 89, no. 7, art. no. 072012. (2013: 4.864 - IF, Q1 - JCR, 2.482 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Ohlasy:

1. [1.1] ALVAREZ, Ezequiel - ESTEVEZ, Mariel.
t(t)over-bar b(b)over-bar as a probe of new physics at the LHC. In PHYSICAL
REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, art. no. 035016.,
Registrované v: WOS

ADCA1177 BRUNCKO, Dušan - FERENCEI, Jozef - MURÍN, Pavol - TOMASZ, Filip. Study of charm fragmentation into D (* +/-) mesons in deep-inelastic scattering at HERA. In *European Physical Journal C*, 2009, vol. 59, no. 3, p. 589-606. (2008: 2.805 - IF, Q2 - JCR, 1.974 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-008-0792-2>

Ohlasy:

1. [1.1] LUSZCZAK, Marta - MACIULA, Rafal - SZCZUREK, Antoni.
Single- and central-diffractive production of open charm and bottom mesons at the LHC: Theoretical predictions and experimental capabilities. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 054024.,
Registrované v: WOS

ADCA1178 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Study of jet shapes in inclusive jet production in pp collisions at root s=7 TeV using the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2011, vol. 83, no. 5, art. no. 052003. (2010: 4.964 - IF, Q1 - JCR, 2.759 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.83.052003>

Ohlasy:

1. [1.1] ANDERSEN, Jeppe R. - BROOKS, Helen M. - LONNBLAD, Leif. Merging high energy with soft and collinear logarithms using HEJ and PYTHIA. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018,

- no. 9, art. no. 074., Registrované v: WOS
2. [1.1] BROOKS, H. - PREUSS, C.T. - SKANDS, P. Sector showers for hadron collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 6 2020, no. 7., Registrované v: WOS
 3. [1.1] BROOKS, H. - SKANDS, P. Coherent showers in decays of colored resonances. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 11 2019, vol. 100, no. 7., Registrované v: WOS
 4. [1.1] CAL, P. - RINGER, F. - WAALEWIJN, W.J. The jet shape at NLL. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 23 2019, no. 5., Registrované v: WOS
 5. [1.1] FISCHER, N. - PRESTEL, S. - RITZMANN, M. - SKANDS, P. VINCIA for hadron colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 11, art. no. 589., Registrované v: WOS
 6. [1.1] CHIVUKULA, R. Sekhar - SIMMONS, Elizabeth H. - VIGNAROLI, Natascia. Distinguishing dijet resonances at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 5, art. no. 055019., Registrované v: WOS
 7. [1.1] CHIVUKULA, R. S. - SIMMONS, E. H. - VIGNAROLI, N. The jet energy profile: A BSM analysis tool. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 36, art. no. 1747022., Registrované v: WOS
 8. [1.1] KANG, Zhong-Bo - LEE, Kyle - RINGER, Felix. Jet angularity measurements for single inclusive jet production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 4, art. no. 110., Registrované v: WOS
 9. [1.1] KANG, Zhong-Bo - RINGER, Felix - WAALEWIJN, Wouter J. The energy distribution of subjects and the jet shape. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 7, art. no. 064., Registrované v: WOS
 10. [1.1] KOMISKE, P.T. - MASTANDREA, R. - METODIEV, E.M. - NAIK, P. - THALER, J. Exploring the space of jets with CMS open data. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 11 2020, vol. 101, no. 3., Registrované v: WOS
 11. [1.1] VARGA, Z. - VERTESI, R. - BARNAFOLDI, G.G. Modification of Jet Structure in High-Multiplicity pp Collisions due to Multiple-Parton Interactions and Observing a Multiplicity-Independent Characteristic Jet Size. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2019, vol. 2019., Registrované v: WOS
 12. [1.1] YAN, Y.L. - LIMPHIRAT, A. - ZHOU, D.M. - SRISAWAD, P. - YAN, Y.P. - YANG, C.B. - CAI, X. - SA, B. Comparative study of the forward and backward methods for calculating jet properties in pp collisions at $\sqrt{s}=7$ TeV. In CHINESE PHYSICS C. ISSN 1674-1137, MAR 2020, vol. 44, no. 3., Registrované v: WOS

ADCA1179 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Study of jets produced in association with a W boson in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2012, vol. 85, no. 9, art. no. 092002. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS,

SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/Weak vector boson production with many jets at the LHC root s=13 TeV>

Ohlasy:

1. [1.1] ANGER, F. R. - CORDERO, F. Febres - HOCHÉ, S. - MAITRE, D. Weak vector boson production with many jets at the LHC root s=13 TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 096010., Registrované v: WOS
2. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
3. [1.1] BELLM, J. - BEWICK, G. - RAVASIO, S.F. - GIESEKE, S. - GRELLSCHEID, D. - KIRCHGAESSER, P. - LOSHAJ, F. - MASOUMINIA, M.R. - NAIL, G. - PAPAEFSTATHIOU, A. - PLATZER, S. - PODSKUBKA, R. - RAUCH, M. - REUSCHLE, C. - RICHARDSON, P. - SCHICHEL, P. - SEYMOUR, M.H. - SODMOK, A. - WEBSTER, S. Herwig 7.2 release note. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 20 2020, vol. 80, no. 5., Registrované v: WOS
4. [1.1] BERN, Z. - DIXON, L. J. - FEBRES CORDERO, F. - HOCHÉ, S. - ITA, H. - KOSOWER, D. A. - MAITRE, D. Extrapolating W-associated jet-production ratios at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 1, art. no. 014008., Registrované v: WOS
5. [1.1] HAUTMANN, F. - JUNG, H. Hadron structure beyond collinear level and precision DIS measurements. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. UNSP 07004., Registrované v: WOS
6. [1.1] MAITRE, D. NLO high multiplicity processes. In 16TH INTERNATIONAL WORKSHOP ON ADVANCED COMPUTING AND ANALYSIS TECHNIQUES IN PHYSICS RESEARCH (ACAT2014). ISSN 1742-6588, 2015, vol. 608, art. no. 012075., Registrované v: WOS

ADCA1180 ACHARYA, S. - ACOSTA, F.T. - ADAMOŤ, D. - ADLER, A. - ADOLFSSON, J. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Study of J/psi azimuthal anisotropy at forward rapidity in Pb-Pb collisions at root s(NN)=5.02 TeV. In *Journal of High Energy Physics*, 2019, no. 2, art. no. 012. (2018: 5.833 - IF, Q1 - JCR, 1.016 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP02\(2019\)012](https://doi.org/10.1007/JHEP02(2019)012)

Ohlasy:

1. [1.1] LAFFERTY, D. - ROTHKOPF, A. Improved Gauss law model and in-medium heavy quarkonium at finite density and velocity. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 11 2020, vol. 101, no. 5., Registrované v: WOS
2. [1.1] ROTHKOPF, A. Heavy quarkonium in extreme conditions. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, MAY 10 2020, vol. 858, p. 1-117., Registrované v: WOS

ADCA1181 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Study of orbitally excited B mesons and evidence for a new B pi resonance. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2014, vol. 90, no. 11, art. no.

012013. (2013: 4.864 - IF, Q1 - JCR, 2.482 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.90.012013>

Ohlasy:

1. [1.1] BATRA, Meenakshi - UPADHAYAY, Alka. Strong decay widths and coupling constants of recent charm meson states. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 7, art. no. 319., Registrované v: WOS
2. [1.1] BERNARDONI, Fabio - BLOSSIER, Benoit - BULAVA, John - DELLA MORTE, Michele - FRITZSCH, Patrick - GARRON, Nicolas - GERARDIN, Antoine - HEITGER, Jochen - VON HIPPEL, Georg - SIMMA, Hubert. B-meson spectroscopy in HQET at order $1/m$. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 1. 054509., Registrované v: WOS
3. [1.1] CHEN, Bing - LIU, Xiang - ZHANG, Ailin. Combined study of 2S and 1D open-charm mesons with natural spin-parity. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 034005., Registrované v: WOS
4. [1.1] WURTZ, Mark - LEWIS, Randy - WOLOSHYN, R. M. Free-form smearing for bottomonium and B meson spectroscopy. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 054504., Registrované v: WOS

ADCA1182 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Study of the B-c(+) - J/psi D-s(+) and Bc(+) - J/psi D-s*(+) decays with the ATLAS detector. In *European Physical Journal C*, 2016, vol. 76, no. 1, art. no. 4. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-015-3743-8>

Ohlasy:

1. [1.1] BEREZHNOY, A.V. - BELOV, I.N. - LIKHODED, A.K. - LUHINSKY, A.V. B-c excitations at LHC experiments. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, DEC 28 2019, vol. 34, no. 40., Registrované v: WOS
2. [1.1] CUI, B.Y. - MA, A.J. - FAN, Y.Y. - LIU, F.H. Quasi-two-body decays B-c \rightarrow eta(c) (1S, 2S) D-0*(+) (2400) \rightarrow eta(c) (1S, 2S) D-0 pi(+) in the perturbative QCD approach. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, NOV 30 2019, vol. 34, no. 33., Registrované v: WOS

ADCA1183 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Study of the hard double-parton scattering contribution to inclusive four-lepton production in pp collisions at root s=8 TeV with the ATLAS detector. In *Physics Letters B*, 2019, vol. 790, p. 595-614. (2018: 4.162 - IF, Q2 - JCR, 1.806 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2019.01.062>

Ohlasy:

1. [1.1] DIEHL, M. - GAUNT, J.R. - PLOSSL, P. - SCHAFER, A.

- Two-loop splitting in double parton distributions. In *SCIPOST PHYSICS*. ISSN 2542-4653, AUG 2019, vol. 7, no. 2., Registrované v: WOS
2. [1.1] DIEHL, M. - GAUNT, J.R. - LANG, D.M. - PLOSSL, P. - SCHAFER, A. Sum rule improved double parton distributions in position space. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, MAY 25 2020, vol. 80, no. 5., Registrované v: WOS
3. [1.1] FEDKEVYCH, O. - LONNBLAD, L. Four-jet double parton scattering production in proton-nucleus collisions within the PYTHIA8 framework. In *PHYSICAL REVIEW D*. ISSN 1550-7998, JUL 17 2020, vol. 102, no. 1., Registrované v: WOS
4. [1.1] GOTSMAN, E. - LEVIN, E. Double parton interaction: The values of $\sigma(\text{eff})$. In *PHYSICS LETTERS B*. ISSN 0370-2693, APR 10 2020, vol. 803., Registrované v: WOS
5. [1.1] HELENIUS, I. - PAUKKUNEN, H. Double D-meson production in proton-proton and proton-lead collisions at the LHC. In *PHYSICS LETTERS B*. ISSN 0370-2693, JAN 10 2020, vol. 800., Registrované v: WOS
6. [1.1] HUAYRA, E. - DE OLIVEIRA, E.G. - PASECHNIK, R. Probing double parton scattering via associated open charm and bottom production in ultraperipheral pA collisions. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, OCT 2019, vol. 79, no. 10., Registrované v: WOS
7. [1.1] HUAYRA, E. - DE OLIVEIRA, E.G. - PASECHNIK, R. DPS mechanism for associated $c(c)\text{over-bar}b(b)\text{over-bar}$ production in AA UPCs. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, AUG 25 2020, vol. 80, no. 8., Registrované v: WOS

ADCA1184 ACHARYA, S. - ADAMOVÁ, D. - ADHYA, S.P. - ADLER, A. - ADOLFSSON, J. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Study of the Lambda-Lambda interaction with femtoscopy correlations in pp and p-Pb collisions at the LHC. In *Physics Letters B*, 2019, vol. 797, art. no. 134822. (2018: 4.162 - IF, Q2 - JCR, 1.806 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2019.134822>

Ohlasy:

1. [1.1] HAIDENBAUER, J. Exploring the Lambda-deuteron interaction via correlations in heavy-ion collisions. In *PHYSICAL REVIEW C*. ISSN 0556-2813, SEP 3 2020, vol. 102, no. 3., Registrované v: WOS
2. [1.1] HIYAMA, E. - SASAKI, K. - MIYAMOTO, T. - DOI, T. - HATSUDA, T. - YAMAMOTO, Y. - RIJKEN, T.A. Possible Lightest Xi Hypernucleus with Modern Xi N Interactions. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, MAR 4 2020, vol. 124, no. 9., Registrované v: WOS
3. [1.1] KREIN, G. - PEIXOTO, T.C. Femtoscopy of the Origin of the Nucleon Mass. In *FEW-BODY SYSTEMS*. ISSN 0177-7963, NOV 19 2020, vol. 61, no. 4., Registrované v: WOS
4. [1.1] SASAKI, K. - AOKI, S. - DOI, T. - GONGYO, S. - HATSUDA, T. - IKEDA, Y. - INOUE, T. - IRITANI, T. - ISHII, N. - MURANO, K. - MIYAMOTO, T. Lambda Lambda and N Xi interactions from lattice QCD near the physical point. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, JUN 2020, vol. 998., Registrované v: WOS

AABOUD, M. - AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABDINOV, O. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Study of the rare decays of B^0 and B^- mesons into muon pairs using data collected during 2015 and 2016 with the ATLAS detector. In *Journal of High Energy Physics*, 2019, no. 4, art. no. 098. (2018: 5.833 - IF, Q1 - JCR, 1.016 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP04\(2019\)098](https://doi.org/10.1007/JHEP04(2019)098)

Ohlasy:

1. [1.1] ABOUBRAHIM, A. - NATH, P. Mixed hidden sector-visible sector dark matter and observation of a CP odd Higgs boson at HL-LHC and HE-LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, JUL 29 2019, vol. 100, no. 1., Registrované v: WOS
2. [1.1] ALLANACH, B.C. - CORBETT, T. - MADIGAN, M. Sensitivity of future hadron colliders to leptoquark pair production in the di-muon di-jets channel. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, FEB 22 2020, vol. 80, no. 2., Registrované v: WOS
3. [1.1] ALLANACH, B.C. - DAVIGHI, J. Naturalising the third family hypercharge model for neutral current B-anomalies. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, NOV 2019, vol. 79, no. 11., Registrované v: WOS
4. [1.1] ALOK, A.K. - KUMAR, J. - KUMAR, D. - SHARMA, R. Lepton flavor non-universality in the B-sector: a global analyses of various new physics models. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, AUG 2019, vol. 79, no. 8., Registrované v: WOS
5. [1.1] ALTMANNSHOFER, W. - DAVIGHI, J. - NARDECCHIA, M. Gauging the accidental symmetries of the standard model, and implications for the flavor anomalies. In *PHYSICAL REVIEW D*. ISSN 2470-0010, JAN 7 2020, vol. 101, no. 1., Registrované v: WOS
6. [1.1] ARBEY, A. - HURTH, T. - MAHMOUDI, F. - SANTOS, D.M. - NESHATPOUR, S. Update on the $b \rightarrow s$ anomalies. In *PHYSICAL REVIEW D*. ISSN 2470-0010, JUL 29 2019, vol. 100, no. 1., Registrované v: WOS
7. [1.1] ARCO, F. - HEINEMEYER, S. - HERRERO, M.J. Exploring sizable triple Higgs couplings in the 2HDM. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, SEP 24 2020, vol. 80, no. 9., Registrované v: WOS
8. [1.1] BLAKE, T. - MEINEL, S. - VAN DYK, D. Bayesian analysis of $b \rightarrow s \mu^+ \mu^-$ Wilson coefficients using the full angular distribution of $\Lambda_b \rightarrow \Lambda \pi^+ \mu^+ \mu^-$ decays. In *PHYSICAL REVIEW D*. ISSN 2470-0010, FEB 19 2020, vol. 101, no. 3., Registrované v: WOS
9. [1.1] CARRILLO-MONTEVERDE, A. - GOMEZ-AVILA, S. - LOPEZ-LOZANO, L. On the universal texture in the PA-2HDM for the V-spin case. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, APR 30 2020, vol. 35, no. 11-12., Registrované v: WOS
10. [1.1] DOWDALL, R.J. - DAVIES, C.T.H. - HORGAN, R.R. - LEPAGE, G.P. - MONAHAN, C.J. - SHIGEMITSU, J. - WINGATE, M. Neutral B-meson mixing from full lattice QCD at the physical point. In *PHYSICAL REVIEW D*. ISSN 2470-0010, NOV 25 2019, vol. 100, no. 9., Registrované v: WOS

11. [1.1] FUENTES-MARTIN, J. - ISIDORI, G. - PAGES, J. - YAMAMOTO, K. With or without $U(2)$? Probing non-standard flavor and helicity structures in semileptonic B decays. In PHYSICS LETTERS B. ISSN 0370-2693, JAN 10 2020, vol. 800., Registrované v: WOS
12. [1.1] GHERARDI, V. General correlations to $b \rightarrow s \mu^{(+)}\mu^{(-)}$ anomalies from a rank condition. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, MAR-JUN 2020, vol. 43, no. 2-3., Registrované v: WOS
13. [1.1] LANGENEGGER, U. Recent results on $B \rightarrow \mu^{(+)}\mu^{(-)}$ decays with the CMS experiment. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, NOV 10 2020, vol. 35, no. 34., Registrované v: WOS
14. [1.1] SHAW, A. Looking for $B \rightarrow X(s)l^{(+)}l^{(-)}$ in a nonminimal universal extra dimensional model. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 25 2019, vol. 99, no. 11., Registrované v: WOS

ADCA1186 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Study of the rare decays of $B\text{-}s(0)$ and $B\text{-}0$ into muon pairs from data collected during the LHC Run 1 with the ATLAS detector. In *European Physical Journal C*, 2016, vol. 76, no. 9, art. no. 513. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4338-8>

Ohlasy:

1. [1.1] BAGNASCHI, E. - BORSATO, M. - SAKURAI, K. - BUCHMUELLER, O. - CAVANAUGH, R. - CHOBANOVA, V. - CITRON, M. - COSTA, J. C. - DE ROECK, A. - DOLAN, M. J. - ELLIS, J. R. - FLAECHER, H. - HEINEMEYER, S. - ISIDORI, G. - LUCIO, M. - LUO, F. - MARTINEZ SANTOS, D. - OLIVE, K. A. - RICHARDS, A. - WEIGLEIN, G. Likelihood analysis of the minimal AMSB model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 4, art. no. 268., Registrované v: WOS
2. [1.1] BAGNASCHI, E. - COSTA, J. C. - SAKURAI, K. - BORSATO, M. - BUCHMUELLER, O. - CAVANAUGH, R. - CHOBANOVA, V. - CITRON, M. - DE ROECK, A. - DOLAN, M. J. - ELLIS, J. R. - FLACHER, H. - HEINEMEYER, S. - ISIDORI, G. - LUCIO, M. - MARTINEZ SANTOS, D. - OLIVE, K. A. - RICHARDS, A. - DE VRIES, K. J. - WEIGLEIN, G. Likelihood analysis of supersymmetric $SU(5)$ GUTs. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 2, art. no. 104., Registrované v: WOS
3. [1.1] BANERJEE, Debika - MAJI, Priya - SAHOO, Sukadev. Study of the rare decays $B^*(s,d) \rightarrow l^{(+)}l^{(-)}$ in Z' model. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 14, art. no. 1750075., Registrované v: WOS
4. [1.1] BAZAVOV, A. - BERNARD, C. - BROWN, N. - DETAR, C. - EL-KHADRA, A. X. - GAMIZ, E. - GOTTLIEB, Steven - HELLER, U. M. - KOMIJANI, J. - KRONFELD, A. S. - LAIHO, J. - MACKENZIE, P. B. - NEIL, E. T. - SIMONE, J. N. - SUGAR, R. L. - TOUSSAINT, D. - VAN DE WATER, R. S. B- and D-meson leptonic decay constants from four-flavor lattice QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 074512., Registrované v: WOS
5. [1.1] BLAKE, T. - GERSABECK, M. - HOFER, L. - JAGER, S. -

- LIU, Z. - ZWICKY, R. Round table: Flavour anomalies in $b \rightarrow s l^{(+)} l^{(-)}$ processes. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 01001., Registrované v: WOS
6. [1.1] CELIS, Alejandro - FENG, Wan-Zhe - VOLLMANN, Martin. Dirac dark matter and $b(\cdot) \rightarrow s l^{(+)} l^{(-)}$ with $U(1)$ gauge symmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, art. no. 035018., Registrované v: WOS
7. [1.1] DESCOTES-GENON, Sebastien - KOPPENBURG, Patrick. The CKM Parameters. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 67. ISSN 0163-8998, 2017, vol. 67, pp. 97-127., Registrované v: WOS
8. [1.1] FLEISCHER, Robert - ESPINOSA, Daniela Galarraga - JAARSMA, Ruben - TETLALMATZI-XOLOCOTZI, Gilberto. CP violation in leptonic rare $B \rightarrow S(0)$ decays as a probe of new physics. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 78, no. 1, art. no. 1., Registrované v: WOS
9. [1.1] GERSHON, T. - GLIGOROV, V. V. CP violation in the B system. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2017, vol. 80, no. 4, art. no. 046201., Registrované v: WOS
10. [1.1] VIRTO, Javier. B-decays: Anomalies and Challenges. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 285, pp. 50-56., Registrované v: WOS

ADCA1187 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. In *European Physical Journal C*, 2015, vol. 75, no. 10, art. no. 476. (2014: 5.084 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-015-3685-1>

Ohlasy:

1. [1.1] ALVES, A. - GHOSH, T. - QUEIROZ, F.S. Dark and bright signatures of di-Higgs boson production. In PHYSICAL REVIEW D. ISSN 2470-0010, AUG 26 2019, vol. 100, no. 3., Registrované v: WOS
2. [1.1] BANERJEE, Pulak - DHANI, Prasanna K. - KUMAR, M. C. - MATHEWS, Prakash - RAVINDRAN, V. NNLO QCD corrections to production of a spin-2 particle with nonuniversal couplings in the Drell-Yan process. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 094028., Registrované v: WOS
3. [1.1] BASLER, P. - MEUHLEITNER, M. - WITTBRODT, J. The CP-violating 2HDM in light of a strong first order electroweak phase transition and implications for Higgs pair production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 061., Registrované v: WOS
4. [1.1] BASLER, P. - MUHLLEITNER, M. - MULLER, J. Electroweak phase transition in non-minimal Higgs sectors. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 5 2020, no. 5., Registrované v: WOS
5. [1.1] BROCHET, S. - DELAERE, C. - FRANCOIS, B. - LEMAITRE, V. - MERTENS, A. - SAGGIO, A. - MARONO, M.V. - WERTZ, S. MoMEMta, a modular toolkit for the Matrix Element Method at the LHC. In

EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 11 2019, vol. 79, no. 2., Registrované v: WOS

6. [1.1] COLEPPA, Baradhwaj - KUMAR, Mukesh - KUMAR, Satendra - MELLADO, Bruce. Measuring CP nature of top-Higgs couplings at the future Large Hadron electron Collider. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 770, pp. 335-341., Registrované v: WOS

7. [1.1] CROON, D. - GONZALO, T. - WHITE, G. Gravitational waves from a Pati-Salam phase transition. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 13 2019, no. 2., Registrované v: WOS

8. [1.1] CULLEN, J.M. - PECJAK, B.D. - SCOTT, D.J. NLO corrections to $h \rightarrow b(b)\text{over-bar}$ decay in SMEFT. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 29 2019, no. 8., Registrované v: WOS

9. [1.1] DAWSON, S. - ENGLERT, C. - PLEHN, T. Higgs physics: It ain't over till it is over. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, JUL 3 2019, vol. 816, p. 1-85., Registrované v: WOS

10. [1.1] DE BLAS, Jorge - EBERHARDT, Otto - KRAUSE, Claudius. Current and future constraints on Higgs couplings in the nonlinear Effective Theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 048., Registrované v: WOS

11. [1.1] EGGER, Larissa - MAAS, Axel - SONDENHEIMER, Rene. Pair production processes and flavor in gauge-invariant perturbation theory. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2017, vol. 32, no. 38, art. no. 1750212., Registrované v: WOS

12. [1.1] FARRERA, C.M. - GRANADOS-GONZALEZ, A. - NOVALES-SANCHEZ, H. - TOSCANO, J.J. Quark-flavor-changing Higgs decays from a universal extra dimension. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, AUG 30 2020, vol. 35, no. 24., Registrované v: WOS

13. [1.1] FORTE, S. - LEVY, A. - RIDOLFI, G. From My Vast Repertoire ... Guido Altarelli's Legacy Preface. In FROM MY VAST REPERTOIRE ... : GUIDO ALTARELLI'S LEGACY. 2019, p. V-+., Registrované v: WOS

14. [1.1] FUYUTO, Kaori - HOU, Wei-Shu - SENAHA, Eibun. Electroweak baryogenesis driven by extra top Yukawa couplings. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 776, pp. 402-406., Registrované v: WOS

15. [1.1] GAINER, James S. - GONZALEZ-ALONSO, Martn - GRELJO, Admir - ISAKOVIC, Senad - ISIDORI, Gino - KORYTOV, Andrey - LYKKEN, Joseph - MARZOCCA, David - MATCHEV, Konstantin T. - MILENOVIC, Predrag - MITSELMAKHER, Guenakh - MRENNA, Stephen - PARK, Myeonghun - RINKEVICIUS, Aurelijus - SELIMOVIC, Nudzeim. Adding pseudo-observables to the four-lepton experimentalist's toolbox. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 073., Registrované v: WOS

16. [1.1] GHOSH, T. - GODBOLE, R. - TATA, X. Determining the spacetime structure of bottom-quark couplings to spin-zero particles. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 18 2019, vol. 100, no. 1., Registrované v: WOS

17. [1.1] GRAZZINI, M. - KALLWEIT, S. - WIESEMANN, M. - YOOK, J.Y. W+W- production at the LHC: NLO QCD corrections to the loop-induced gluon fusion channel. In PHYSICS LETTERS B. ISSN 0370-2693, MAY 10 2020, vol. 804., Registrované v: WOS
18. [1.1] GRITSAN, A.V. - ROSKES, J. - SARICA, U. - SCHULZE, M. - XIAO, M. - ZHOU, Y.F. New features in the JHU generator framework: Constraining Higgs boson properties from on-shell and off-shell production. In PHYSICAL REVIEW D. ISSN 1550-7998, SEP 28 2020, vol. 102, no. 5., Registrované v: WOS
19. [1.1] HUANG, P.S. - NG, Y.H. Di-Higgs production in SUSY models at the LHC. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, AUG 17 2020, vol. 135, no. 8., Registrované v: WOS
20. [1.1] CHOI, S.Y. - JEONG, J.H. - SONG, J.H. General spin analysis from angular correlations in two-body decays. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, FEB 3 2020, vol. 135, no. 2., Registrované v: WOS
21. [1.1] ISLAM, R. - KUMAR, M. - RAWOOT, V. kT-factorization approach to the Higgs boson production in $Z \rightarrow 4$ channel at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 28 2019, vol. 79, no. 3., Registrované v: WOS
22. [1.1] JAQUIER, M. - RONTSCH, R. Mixed scalar-pseudoscalar Higgs boson production through next-to-next-to-leading order at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 1 2020, no. 6., Registrované v: WOS
23. [1.1] JENTSCHURA, U.D. Fifth force and hyperfine splitting in bound systems. In PHYSICAL REVIEW A. ISSN 1050-2947, JUN 1 2020, vol. 101, no. 6., Registrované v: WOS
24. [1.1] KANEMURA, Shinya - KANETA, Kunio - MACHIDA, Naoki - ODORI, Shinya - SHINDOU, Tetsuo. Single and double production of the Higgs boson at hadron and lepton colliders in minimal composite Higgs models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015028., Registrované v: WOS
25. [1.1] KRAUSE, Marcel - LOPEZ-VAL, David - MUEHLLEITNER, Margarete - SANTOS, Rui. Gauge-independent renormalization of the N2HDM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 12, art. no. 077., Registrované v: WOS
26. [1.1] KRAUSE, Marcel - MUEHLLEITNER, Margarete - SANTOS, Rui - ZIESCHE, Hanna. Higgs-to-Higgs boson decays in a 2HDM at next-to-leading order. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075019., Registrované v: WOS
27. [1.1] KUMAR, S. - POULOSE, P. - RAHAMAN, R. - SINGH, R.K. Measuring Higgs self-couplings in the presence of VVH and VVHH at the ILC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, JUN 30 2019, vol. 34, no. 18., Registrované v: WOS
28. [1.1] MAAS, A. Brout-Englert-Higgs physics: From foundations to phenomenology. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, MAY 2019, vol. 106, p. 132-209., Registrované v: WOS
29. [1.1] MUEHLLEITNER, Margarete - SAMPAIO, Marco O. P. - SANTOS, Rui - WITTBRODT, Jonas. Phenomenological comparison of models with extended Higgs sectors. In JOURNAL OF HIGH ENERGY PHYSICS.

- ISSN 1029-8479, 2017, no. 8, art. no. 132., Registrované v: WOS
30. [1.1] MUEHLLEITNER, Margarete - SAMPAIO, Marco O. P. - SANTOS, Rui - WITTBRODT, Jonas. The N²HDM under theoretical and experimental scrutiny. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 094., Registrované v: WOS
31. [1.1] MURRONE, A. Measurements of Higgs boson production cross section and CP violation in the H \rightarrow tau tau decay channel with the ATLAS detector. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2018, vol. 41, no. 3, art. no. 97., Registrované v: WOS
32. [1.1] NEUMANN, Tobias - WILLIAMS, Ciaran. Higgs bosons at high p(T). In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 014004., Registrované v: WOS
33. [1.1] NEUMANN, Tobias. NLO Higgs+jet production at large transverse momenta including top quark mass effects. In JOURNAL OF PHYSICS COMMUNICATIONS. ISSN 2399-6528, 2018, vol. 2, no. 9, art. no. 095017., Registrované v: WOS
34. [1.1] QUIGG, Chris. Future colliders symposium in Hong Kong: Scientific overview. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 33, art. no. 1644001., Registrované v: WOS
35. [1.1] RAISSI, D.H. - TIZCHANG, S. - NAJAFABADI, M.M. Loop induced singlet scalar production through the vector like top quark at future lepton colliders. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JUL 2020, vol. 47, no. 7., Registrované v: WOS
36. [1.1] RE, Emanuele - WIESEMANN, Marius - ZANDERIGHI, Giulia. NNLOPS accurate predictions for W+W- production. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 12, art. no. 121., Registrované v: WOS
37. [1.1] SHINDOU, T. A UV Picture of a Loop Induced Neutrino Mass Model and Its Phenomenological Consequences. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JAN 14 2019, vol. 6., Registrované v: WOS
38. [1.1] TORASSA, Ezio. The Standard Model and Higgs physics. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 69-106., Registrované v: WOS
39. [1.1] YUE, Jason Tsz Shing. Higgs Properties at the LHC Implications for the Standard Model and for Cosmology Conclusions. In HIGGS PROPERTIES AT THE LHC: IMPLICATIONS FOR THE STANDARD MODEL AND FOR COSMOLOGY. ISSN 2190-5053, 2017, pp. 109-111., Registrované v: WOS
40. [1.1] ZAGOSKIN, Taras V. - KORCHIN, Alexander Yu. The Higgs boson decay into ZZ decaying to identical fermion pairs. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 27, art. no. 1750166., Registrované v: WOS

ADCA1188 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - SMIEŠKO, Juraj - STRÍŽENEC, Pavol. Study of WW gamma and WZ gamma production in pp collisions at root s=8 TeV and search for anomalous quartic gauge couplings with the ATLAS experiment. In *European Physical Journal C*, 2017, vol. 77, no. 9, art. no. 646. (2016: 5.297 - IF,

Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-017-5180-3>

Ohlasy:

1. [1.1] AHMADOV, A.I. W Boson Pair Production in Association with the Photon in Proton-Proton Collisions at LHC Energies. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, SEP 2019, vol. 58, no. 9, p. 2770-2794., Registrované v: WOS
2. [1.1] ALMEIDA, E.D. - EBOLI, O.J.P. - GONZALEZ-GARCIA, M.C. Unitarity constraints on anomalous quartic couplings. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 26 2020, vol. 101, no. 11., Registrované v: WOS
3. [1.1] ARI, V. - GURKANLI, E. - GUTIERREZ-RODRIGUEZ, A. - HERNANDEI-RUIR, M.A. - KOKSAL, M. Anomalous quartic $W+W-$ gamma gamma couplings in $e(-) p$ collisions at the LHeC and the FCC-he. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, MAR 30 2020, vol. 135, no. 3., Registrované v: WOS
4. [1.1] CAMPBELL, John M. - ROJO, Juan - SLADE, Emma - WILLIAMS, Ciaran. Direct photon production and PDF fits reloaded. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 470., Registrované v: WOS
5. [1.1] GALLINARO, M. Looking forward: exclusive dilepton production with a leading proton. In XIII INTERNATIONAL CONFERENCE ON BEAUTY, CHARM AND HYPERON HADRONS (BEACH 2018). ISSN 1742-6588, 2019, vol. 1137., Registrované v: WOS
6. [1.1] GURKANLI, E. - ARI, V. - GUTIERREZ-RODRIGUEZ, A. - HERNANDEZ-RUIZ, M.A. - KOKSAL, M. Sensitivity physics expected to the measurement of the quartic WW gamma gamma couplings at the LHeC and the FCC-he. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, SEP 2020, vol. 47, no. 9., Registrované v: WOS
7. [1.1] TIZCHANG, S. - ETESAMI, S.M. Pinning down the gauge boson couplings in WW gamma production using forward proton tagging. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 27 2020, no. 7., Registrované v: WOS

ADCA1189 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Study of $(W/Z)H$ production and Higgs boson couplings using $H - WW^*$ decays with the ATLAS detector. In *Journal of High Energy Physics*, 2015, vol. 2015, no. 8, art. no. 137. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479.

Ohlasy:

1. [1.1] ABDUSSALAM, S. - CABRERA, M.E. Revealing mass-degenerate states in Higgs boson signals. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 2019, vol. 79, no. 12., Registrované v: WOS
2. [1.1] ABDUSSALAM, S.S. Testing Higgs boson scenarios in the phenomenological NMSSM. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAY 25 2019, vol. 79, no. 5., Registrované v: WOS

3. [1.1] ALTIN, Z. - KIRCA, Z. - TANIMAK, T. - UN, C.S. Stop search in SUSY SO(10) GUTs with nonuniversal Gaugino masses. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, SEP 4 2020, vol. 80, no. 9., Registrované v: WOS
4. [1.1] DWIVEDI, Siddharth - MONDAL, Subhadeep - MUKHOPADHYAYA, Biswarup. Exploring anomalous $h(b)\overline{b}$ and $h(b)\overline{b}$ gamma couplings in the context of the LHC and an $e(+)e(-)$ collider. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015035., Registrované v: WOS
5. [1.1] FALKOWSKI, Adam - GONZALEZ-ALONSO, Martin - GRELJO, Admir - MARZOCCA, David. Global Constraints on Anomalous Triple Gauge Couplings in the Effective Field Theory Approach. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 1, art. no. 011801., Registrované v: WOS
6. [1.1] GRELJO, Admir - ISIDORI, Gino - LINDERT, Jonas M. - MARZOCCA, David. Pseudo-observables in electroweak Higgs production. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 3, art. no. 158., Registrované v: WOS
7. [1.1] HICYILMAZ, Yasar - SOLMAZ, Levent - TANYILDIZI, Sukru Hanif - UN, Cem Salih. Least fine-tuned U(1) extended SSM. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2018, vol. 933, pp. 275-298., Registrované v: WOS
8. [1.1] CHAKRABORTY, Indrani - MUKHOPADHYAYA, Biswarup - MONDAL, Subhadeep. Lepton flavor violating Higgs boson decay at $e(+)e(-)$ colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 115020., Registrované v: WOS
9. [1.1] JANA, Sudip - NANDI, S. New physics scale from Higgs observables with effective dimension-6 operators. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 783, pp. 51-58., Registrované v: WOS
10. [1.1] JIANG, X.M. - CAI, C.F. - YU, Z.H. - ZENG, Y.P. - ZHANG, H.H. Pseudo-Nambu-Goldstone dark matter and two-Higgs-doublet models. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 10 2019, vol. 100, no. 7., Registrované v: WOS
11. [1.1] KACHANOVICH, A. - NIERSTE, U. - NISANDZIC, I. Higgs boson decay into a lepton pair and a photon revisited. In PHYSICAL REVIEW D. ISSN 2470-0010, APR 16 2020, vol. 101, no. 7., Registrované v: WOS

ADCA1190 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. Summary of the ATLAS experiment's sensitivity to supersymmetry after LHC Run 1-interpreted in the phenomenological MSSM. In *Journal of High Energy Physics*, 2015, vol. 2015, no. 10, art. no. 134. (2014: 6.111 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP10\(2015\)134](https://doi.org/10.1007/JHEP10(2015)134)

Ohlasy:

1. [1.1] ALVES, Alexandre - DIAS, Alex G. - SINHA, Kuver. The 750 GeV S-cion: Where else should we look for it? In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 757, pp. 39-46., Registrované v: WOS
2. [1.1] AMBROGI, Federico - KRAML, Sabine - KULKARNI, Suchita

- LAA, Ursula - LESSA, Andre - MAGERL, Veronika - SONNEVELD, Jory - TRAUB, Michael - WALTENBERGER, Wolfgang. SModelS v1.1 user manual: Improving simplified model constraints with efficiency maps. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2018, vol. 227, pp. 72-98., Registrované v: WOS
3. [1.1] AMBROGI, Federico - KRAML, Sabine - KULKARNI, Suchita - LAA, Ursula - LESSA, Andre - WALTENBERGER, Wolfgang. On the coverage of the pMSSM by simplified model results. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, art. no. 215., Registrované v: WOS
4. [1.1] ANGELESCU, Andrei - DJOUADI, Abdelhak - MOREAU, Gregory. Scenarii for interpretations of the LHC diphoton excess: Two Higgs doublets and vector-like quarks and leptons. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 756, pp. 126-132., Registrované v: WOS
5. [1.1] BADZIAK, Marcin. Interpreting the 750 GeV diphoton excess in minimal extensions of Two-Higgs-Doublet models. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 759, pp. 464-470., Registrované v: WOS
6. [1.1] BAGNASCHI, E. Low-energy SUSY facing LHC constraints. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2017, vol. 40, no. 5, art. no. 190., Registrované v: WOS
7. [1.1] BARGER, Vernon - EVERETT, Lisa L. - GARON, Todd S. Electroweak naturalness and deflected mirage mediation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075024., Registrované v: WOS
8. [1.1] BEGONE, G. - DEISENROTH, M.P. - KIM, J.S. - LIEM, S. - DE AUSTRI, R.R. - WELLING, M. Accelerating the BSM interpretation of LHC data with machine learning. In PHYSICS OF THE DARK UNIVERSE. ISSN 2212-6864, MAR 2019, vol. 24., Registrované v: WOS
9. [1.1] BOOS, E. - VOLOBUEV, I. Simple standard model extension by heavy charged scalar. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095014., Registrované v: WOS
10. [1.1] BRANAHL, J. - HARZ, J. - HERRMANN, B. - KLASSEN, M. - KOVARIK, K. - SCHMIEMANN, S. SUSY QCD-corrected and Sommerfeld-enhanced stau annihilation into heavy quarks with scheme and scale uncertainties. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 3 2019, vol. 100, no. 11., Registrované v: WOS
11. [1.1] BRINGMANN, Torsten - IHLE, Havard Tveit - KERSTEN, Jorn - WALIA, Parampreet. Suppressing structure formation at dwarf galaxy scales and below: Late kinetic decoupling as a compelling alternative to warm dark matter. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 10, art. no. 103529., Registrované v: WOS
12. [1.1] BRINGMANN, Torsten - GALEA, Ahmad J. - WALIA, Parampreet. Leading QCD corrections for indirect dark matter searches: A fresh look. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 4, art. no. 043529., Registrované v: WOS
13. [1.1] CAPORALE, F. - CELIBERTO, F. G. - CHACHAMIS, G. - GORDO GOMEZ, D. - SABIO VERA, A. Inclusive four-jet production at 7 and 13 TeV: Azimuthal profile in multi-Regge kinematics. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 77, no. 1, art. no. 5.,

Registrované v: WOS

14. [1.1] DAS, Kasinath - LI, Tianjun - NANDI, S. - RAI, Santosh Kumar. New signals for vector-like down-type quark in $U(1)$ of E-6. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 1, art. no. 35., Registrované v: WOS
15. [1.1] DEV, P. S. Bhupal - PILAFTSIS, Apostolos. Natural Alignment in the Two Higgs Doublet Model. In FIFTH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES. ISSN 1742-6588, 2017, vol. 873, art. no. UNSP 012008., Registrované v: WOS
16. [1.1] DUAN, Guang Hua - WANG, Wenyu - WU, Lei - YANG, Jin Min - ZHAO, Jun. Probing GeV-scale MSSM neutralino dark matter in collider and direct detection experiments. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 778, pp. 296-302., Registrované v: WOS
17. [1.1] GHORBANI, Karim - GHORBANI, Hossein. Scalar dark matter in scale invariant standard model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 4, art. no. 024., Registrované v: WOS
18. [1.1] GOUDELIS, Andreas - MOHAN, Kirtimaan A. - SENGUPTA, Dipan. Clockworking FIMPs. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 10, art. no. 014., Registrované v: WOS
19. [1.1] GROSS, Christian - LEBEDEV, Oleg - NO, Jose Miguel. Drell-Yan constraints on new electroweak states: LHC as a $pp \rightarrow l^{(+)}l^{(-)}$ precision machine. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2017, vol. 32, no. 16, art. no. 1750094., Registrované v: WOS
20. [1.1] HAN, Chengcheng - NOJIRI, Mihoko M. - PARK, Myeonghun. Apparent unitarity violation in high mass region of M - bW from a "hidden" top partner at high energy colliders. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 760, pp. 775-779., Registrované v: WOS
21. [1.1] HRYCZUK, A. - JODLOWSKI, K. - MOULIN, E. - RINCHIUSO, L. - ROSZKOWSKI, L. - SESSOLO, E.M. - TROJANOWSKI, S. Testing dark matter with Cherenkov light - prospects of HESS and CTA for exploring minimal supersymmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, OCT 4 2019, no. 10., Registrované v: WOS
22. [1.1] HUE, L. T. - ARBUZOV, A. B. - NGAN, N. T. K. - LONG, H. N. Probing neutrino and Higgs sectors in $SU(2)_L \times SU(2)_R \times U(1)_Y$ model with lepton-flavor non-universality. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 5, art. no. 346., Registrované v: WOS
23. [1.1] HUSEMANN, Ulrich. Top-quark physics: Status and prospects. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 95, pp. 48-97., Registrované v: WOS
24. [1.1] CHAKRABORTY, Sabyasachi - MARTIN, Adam - ROY, Tuhin S. Charting generalized supersoft supersymmetry. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 176., Registrované v: WOS
25. [1.1] CHOUDHURY, Arghya - MONDAL, Subhadeep. Revisiting the exclusion limits from direct chargino-neutralino production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055024., Registrované v: WOS
26. [1.1] CHOWDHURY, Debtosh - PATEL, Ketan M. - TATA, Xerxes - VEMPATI, Sudhir K. Indirect searches of the degenerate MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 075025.,

Registrované v: WOS

27. [1.1] KAR, Arpan - MITRA, Sourav - MUKHOPADHYAYA, Biswarup - CHOUDHURY, Tirthankar Roy. Dark matter, extra-terrestrial gamma-rays and the MSSM: a viability study. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 2, art. no. 045., Registrované v: WOS

28. [1.1] KIM, J. S. - ROLBIECKI, K. - RUIZ, R. - TATTERSALL, J. - WEBER, T. Prospects for natural SUSY. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 095013., Registrované v: WOS

29. [1.1] KOWALSKA, Kamila - SESSOLO, Enrico Maria. MSSM fits to the ATLAS 1 lepton excess. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 2, art. no. 79., Registrované v: WOS

30. [1.1] KOWALSKA, Kamila. Phenomenological MSSM in light of new 13 TeV LHC data. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 12, art. no. 684., Registrované v: WOS

31. [1.1] LIU, Ning - WANG, Wenyu - ZHANG, Mengchao - ZHENG, Rui. 750 GeV diphoton resonance in a vector-like extension of Hill model at a 100 TeV hadron collider. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 25, art. no. 1650145., Registrované v: WOS

32. [1.1] MASSIMI, Michela. Perspectival Modeling. In PHILOSOPHY OF SCIENCE. ISSN 0031-8248, 2018, vol. 85, no. 3, pp. 335-359., Registrované v: WOS

33. [1.1] MASSIMI, M. Two Kinds of Exploratory Models. In PHILOSOPHY OF SCIENCE. ISSN 0031-8248, DEC 1 2019, vol. 86, no. 5, p. 869-881., Registrované v: WOS

34. [1.1] MASSIMI, M. 2017 WILKINS-BERNAL-MEDAWAR LECTURE: WHY PHILOSOPHY OF SCIENCE MATTERS TO SCIENCE. In NOTES AND RECORDS-THE ROYAL SOCIETY JOURNAL OF THE HISTORY OF SCIENCE. ISSN 0035-9149, SEP 20 2019, vol. 73, no. 3, p. 353-367., Registrované v: WOS

35. [1.1] MCCOY, C. D. - MASSIMI, Michela. Simplified models: a different perspective on models as mediators. In EUROPEAN JOURNAL FOR PHILOSOPHY OF SCIENCE. ISSN 1879-4912, 2018, vol. 8, no. 1, pp. 99-123., Registrované v: WOS

36. [1.1] MOROZUMI, Takuya - SHIMIZU, Yusuke - TAKAHASHI, Shunya - UMEEDA, Hiroyuki. Effective theory analysis for vector-like quark model. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2018, no. 4, art. no. 043B10., Registrované v: WOS

37. [1.1] POZZO, G. - ZHANG, Y. Constraining resonant dark matter with combined LHC electroweakino searches. In PHYSICS LETTERS B. ISSN 0370-2693, FEB 10 2019, vol. 789, p. 582-591., Registrované v: WOS

38. [1.1] ROSS, Graham G. - SCHMIDT-HOBERG, Kai - STAUB, Florian. Revisiting fine-tuning in the MSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 3, art. no. 021., Registrované v: WOS

39. [1.1] ROSZKOWSKI, Leszek - SESSOLO, Enrico Maria - TROJANOWSKI, Sebastian. WIMP dark matter candidates and searches-current status and future prospects. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2018, vol. 81, no. 6, art. no. 066201., Registrované v: WOS

40. [1.1] SERINO, Mirko. FOUR-JET PRODUCTION IN

k(T)-FACTORIZATION: SINGLE AND DOUBLE PARTON SCATTERING.
In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 6, pp.
1731-1737., Registrované v: WOS

41. [1.1] SCHMIEMANN, S. - HARZ, J. - HERRMANN, B. - KLASSEN,
M. - KOVARIK, K. Squark-pair annihilation into quarks at next-to-leading order.
In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 16 2019, vol. 99, no. 9.,
Registrované v: WOS

42. [1.1] STASSER, C. - SARRAZIN, M. Sub-GeV-scale signatures of
hidden braneworlds up to the Planck scale in a SO(3,1)-broken bulk. In
INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X,
FEB 20 2019, vol. 34, no. 5., Registrované v: WOS

43. [1.1] VIGO, C. - GERCHOW, L. - LISZKAY, L. - RUBBIA, A. -
CRIVELLI, P. First search for invisible decays of orthopositronium confined in a
vacuum cavity. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no.
9, art. no. 092008., Registrované v: WOS

44. [1.1] XIANG, Qian-Fei - BI, Xiao-Jun - YIN, Peng-Fei - YU,
Zhao-Huan. Searching for singlino-Higgsino dark matter in the NMSSM. In
PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055031.,
Registrované v: WOS

45. [1.1] ZHAO, Jun. The Higgs properties in the MSSM after the LHC
Run-2. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN
0217-751X, 2018, vol. 33, no. 11, art. no. 1841001., Registrované v: WOS

46. [1.1] ZHENG, S.B. Minimal vectorlike model in supersymmetric
unification. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR
26 2020, vol. 80, no. 3., Registrované v: WOS

ADCA1191 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN,
R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC,
Pavol. Summary of the searches for squarks and gluinos using root s=8 TeV pp
collisions with the ATLAS experiment at the LHC. In *Journal of High Energy*
Physics, 2015, vol. 2015, no. 10, art. no. 054. (2014: 6.111 - IF, Q1 - JCR, 1.339 -
SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS,
SCOPUS). ISSN 1029-8479. Dostupné na:
[https://doi.org/10.1007/JHEP10\(2015\)054](https://doi.org/10.1007/JHEP10(2015)054)

Ohlasy:

1. [1.1] ABOUBRAHIM, Amin - NATH, Pran. Supersymmetry at a 28
TeV hadron collider: HE-LHC. In PHYSICAL REVIEW D. ISSN 2470-0010,
2018, vol. 98, no. 1, art. no. 015009., Registrované v: WOS

2. [1.1] ALTMANNSHOFER, Wolfgang - NIEHOFF, Christoph -
STRAUB, David M. B-s> mu(+)mu(-) as current and future probe of new
physics. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017,
no. 5, art. no. 076., Registrované v: WOS

3. [1.1] ARBEY, A. - BOUDAUD, M. - MAHMOUDI, F. - ROBBINS,
G. Robustness of dark matter constraints and interplay with collider searches for
New Physics. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479,
2017, no. 11, art. no. 132., Registrované v: WOS

4. [1.1] ARCADI, G. - DJOUADI, A. - RAIDAL, M. Dark Matter
through the Higgs portal. In PHYSICS REPORTS-REVIEW SECTION OF
PHYSICS LETTERS. ISSN 0370-1573, FEB 3 2020, vol. 842, p. 1-180.,
Registrované v: WOS

5. [1.1] AZEVEDO, D. - FERREIRA, P. - MUHLLEITNER, M.M. - SANTOS, R. - WITTBRODT, J. Models with extended Higgs sectors at future $e(+)e(-)$ colliders. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 12 2019, vol. 99, no. 5., Registrované v: WOS
6. [1.1] BARDHAN, Debjyoti - BHATTACHARYYA, Gautam - GHOSH, Diptimoy - PATRA, Monalisa - RAYCHAUDHURI, Sreerup. Detailed analysis of flavor-changing decays of top quarks as a probe of new physics at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, art. no. 015026., Registrované v: WOS
7. [1.1] BASLER, P. - DAWSON, S. - ENGLERT, C. - MUHLLEITNER, M. Showcasing HH production: Benchmarks for the LHC and HL-LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 29 2019, vol. 99, no. 5., Registrované v: WOS
8. [1.1] BENEKE, M. - JENNICHES, L. - MUECK, A. - UBIALI, M. Radiative distortion of kinematic edges in cascade decays. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 770, pp. 539-545., Registrované v: WOS
9. [1.1] BESKIDT, C. - DE BOER, W. - KAZAKOV, D. I. Can we discover a light singlet-like NMSSM Higgs boson at the LHC? In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 782, pp. 69-76., Registrované v: WOS
10. [1.1] BESKIDT, C. - DE BOER, W. Effective scanning method of the NMSSM parameter space. In PHYSICAL REVIEW D. ISSN 2470-0010, SEP 9 2019, vol. 100, no. 5., Registrované v: WOS
11. [1.1] BRINGMANN, Torsten - GALEA, Ahmad J. - WALIA, Parampreet. Leading QCD corrections for indirect dark matter searches: A fresh look. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 4, art. no. 043529., Registrované v: WOS
12. [1.1] CRIVELLIN, Andreas - D'AMBROSIO, Giancarlo - KITAHARA, Teppei - NIERSTE, Ulrich. $K \rightarrow \pi \nu(\nu)\overline{\nu}$ in the MSSM in light of the $\epsilon(K)/\epsilon(K)$ anomaly. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 015023., Registrované v: WOS
13. [1.1] DAO, T.N. - FRITZ, L. - KRAUSE, M. - MUHLLEITNER, M. - PATEL, S. Gauge dependences of higher-order corrections to NMSSM Higgs boson masses and the charged Higgs Decay $H^{\pm} \rightarrow W^{\pm} h(i)$. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 31 2020, vol. 80, no. 3., Registrované v: WOS
14. [1.1] DAO, T.N. - GROBER, R. - KRAUSE, M. - MUHLLEITNER, M. - RZEHA, H. Two-loop $\mathcal{O}(\alpha^2(t))$ corrections to the neutral Higgs boson masses in the CP-violating NMSSM. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 21 2019, no. 8., Registrované v: WOS
15. [1.1] DE SIMONE, Andrea - JACQUES, Thomas. Simplified models vs. effective field theory approaches in dark matter searches. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 7, art. no. 367., Registrované v: WOS
16. [1.1] DEMIRCI, M. - AHMADOV, A. I. Neutralino pair production via photon-photon collisions at the ILC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075025., Registrované v: WOS
17. [1.1] DERCKS, Daniel - DREINER, Herbi - KRAUSS, Manuel E. - OPFERKUCH, Toby - REINERT, Annika. R-parity violation at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12,

art. no. 856., Registrované v: WOS

18. [1.1] DREES, Manuel - KIM, Jong Soo. Minimal natural supersymmetry after the LHC8. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 095005., Registrované v: WOS

19. [1.1] DUDAS, Emilian - GHERGHETTA, Tony - MAMBRINI, Yann - OLIVE, Keith A. Inflation and high-scale supersymmetry with an EeV gravitino. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 115032., Registrované v: WOS

20. [1.1] ELLIS, Sebastian A. R. - GHERGHETTA, Tony - KANETA, Kunio - OLIVE, Keith A. New weak-scale physics from SO(10) with high-scale supersymmetry. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, art. no. 055009., Registrované v: WOS

21. [1.1] EVANS, Jason L. - KADOTA, Kenji - KUWAHARA, Takumi. Revisiting flavor and CP violation in supersymmetric SU(5) with right-handed neutrinos. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075030., Registrované v: WOS

22. [1.1] FLORES-BAEZ, F. V. - BOCK, M. Gomez - MONDRAGON, M. Muon $g-2$ through a flavor structure on soft SUSY terms. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 10, art. no. 561., Registrované v: WOS

23. [1.1] GABRIELLI, E. - KANNIKE, K. - MELE, B. - RAIDAL, M. - SPETHMANN, C. - VEERMAEE, H. A SUSY inspired simplified model for the 750 GeV diphoton excess. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 756, pp. 36-41., Registrované v: WOS

24. [1.1] GARCIA-JIMENEZ, I. - NOVALES-SANCHEZ, H. - TOSCANO, J. J. Distinctive ultraviolet structure of extra-dimensional Yang-Mills theories by integration of heavy Kaluza-Klein modes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 096007., Registrované v: WOS

25. [1.1] CHAKRABORTTY, Joydeep - MAJI, Rinku - PATRA, Sunando Kumar - SRIVASTAVA, Tripurari - MOHANTY, Subhendra. Roadmap of left-right models based on GUTs. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 095010., Registrované v: WOS

26. [1.1] CHAKRABORTY, Amit - CHAKRABORTY, Sabyasachi. Probing $(g-2)_{\mu}$ at the LHC in the paradigm of R-parity violating MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075035., Registrované v: WOS

27. [1.1] CHOUDHURY, Arghya - MONDAL, Subhadeep. Revisiting the exclusion limits from direct chargino-neutralino production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055024., Registrované v: WOS

28. [1.1] KIM, Jong Soo - SCHMEIER, Daniel - TATTERSALL, Jamie. Role of the 'N' in the natural NMSSM for the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 055018., Registrované v: WOS

29. [1.1] KIM, J. S. - ROLBIECKI, K. - RUIZ, R. - TATTERSALL, J. - WEBER, T. Prospects for natural SUSY. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 9, art. no. 095013., Registrované v: WOS

30. [1.1] KITAHARA, Teppei - NIERSTE, Ulrich - TREMPER, Paul. Supersymmetric Explanation of CP Violation in $K \rightarrow \pi \pi$ Decays. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 117, no. 9, art. no. 091802.,

Registrované v: WOS

31. [1.1] KUMAR, Jason - MARFATIA, Danny - YAYLALI, David. Vector dark matter at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 9, art. no. 095027., Registrované v: WOS
32. [1.1] OKADA, Nobuchika - HIEU MINH TRAN. 125 GeV Higgs boson mass and muon $g-2$ in 5D MSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 075016., Registrované v: WOS
33. [1.1] SIGL, G. Astroparticle Physics: Theory and Phenomenology. In ASTROPARTICLE PHYSICS: THEORY AND PHENOMENOLOGY. ISSN 1879-6923, 2017, pp. 1-861., Registrované v: WOS
34. [1.1] SMARANDA, D.D. - MILLER, D.J. Scherk-Schwarz orbifolds at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, OCT 14 2019, vol. 100, no. 7., Registrované v: WOS
35. [1.1] XIANG, Qian-Fei - BI, Xiao-Jun - YIN, Peng-Fei - YU, Zhao-Huan. Searching for singlino-Higgsino dark matter in the NMSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, art. no. 055031., Registrované v: WOS

ADCA1192 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - PASTIRČÁK, Blahoslav - ŠÁNDOR, Ladislav - VALA, Martin. Suppression of high transverse momentum D mesons in central Pb-Pb collisions at root $s(NN)=2.76$ TeV. In *Journal of High Energy Physics*, 2012, vol. 2012, no. 9, art. no. 112. (2011: 5.831 - IF, 1.902 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP09\(2012\)112](https://doi.org/10.1007/JHEP09(2012)112)

Ohlasy:

1. [1.1] ABIR, Raktim - MAJUMDER, Abhijit. Drag-induced radiative energy loss from semihard heavy quarks. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 5, art. no. 054902., Registrované v: WOS
2. [1.1] ALFIKY, M.T. - ELSHERIF, O. - HAMED, A.M. Onset of the Jet Quenching Phenomenon. In JETP LETTERS. ISSN 0021-3640, JAN 2020, vol. 111, no. 1, p. 8-17., Registrované v: WOS
3. [1.1] BERREHRAH, Hamza - BRATKOVSKAYA, Elena. A dynamical quasiparticle approach for the QGP bulk and transport properties. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 7, art. no. 1642003., Registrované v: WOS
4. [1.1] BLAGOJEVIC, Bojana - DJORDJEVIC, Magdalena. Importance of different energy loss effects in jet suppression at the RHIC and the LHC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 7, art. no. 075105., Registrované v: WOS
5. [1.1] BRUNO, Giuseppe Eugenio. CERN achievements in relativistic heavy ion collisions. In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, art. no. 06001., Registrované v: WOS
6. [1.1] CAO, Shanshan - LUO, Tan - QIN, Guang-You - WANG, Xin-Nian. Linearized Boltzmann transport model for jet propagation in the quark-gluon plasma: Heavy quark evolution. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 1, art. no. 014909., Registrované v: WOS
7. [1.1] CAO, Shanshan - LUO, Tan - QIN, Guang-You - WANG,

- Xin-Nian. Heavy and light flavor jet quenching at RHIC and LHC energies. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 777, pp. 255-259.,
Registrované v: WOS
8. [1.1] CAO, S.S. - COCI, G. - DAS, S.K. - KE, W.Y. - LIU, S.Y.F. - PLUMARI, S. - SONG, T. - XU, Y.R. - AICHELIN, J. - BASS, S. - BRATKOVSKAYA, E. - DONG, X. - GOSSIAUX, P.B. - GRECO, V. - HE, M. - NAHRGANE, M. - RAPP, R. - SCARDINA, F. - WANG, X.N. Toward the determination of heavy-quark transport coefficients in quark-gluon plasma. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 28 2019, vol. 99, no. 5.,
Registrované v: WOS
9. [1.1] DAS, Santosh K. - RUGGIERI, Marco - MAZUMDER, Surasree - GRECO, Vincenzo - ALAM, Jan-e. Heavy quark diffusion in the pre-equilibrium stage of heavy ion collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 9, art. no. 095108., Registrované v: WOS
10. [1.1] DAS, Santosh K. - TORRES-RINCON, Juan M. - TOLOS, Laura - MINISSALE, Vincenzo - SCARDINA, Francesco - GRECO, Vincenzo. Propagation of heavy baryons in heavy-ion collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 114039., Registrované v: WOS
11. [1.1] DING, H.T. - KACZMAREK, O. - MUKHERJEE, Swagato - OHNO, H. - SHU, H.T. Stochastic reconstructions of spectral functions: Application to lattice QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 9, art. no. 094503., Registrované v: WOS
12. [1.1] DJORDJEVIC, Magdalena. Dynamical energy loss as a novel Quark-Gluon Plasma tomographic tool. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 633-636., Registrované v: WOS
13. [1.1] DJORDJEVIC, Magdalena - BLAGOJEVIC, Bojana - ZIVKOVIC, Lidija. Mass tomography at different momentum ranges in quark-gluon plasma. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 4, art. no. 044908., Registrované v: WOS
14. [1.1] GAULD, Rhorry. Forward D predictions for pPb collisions, and sensitivity to cold nuclear matter effects. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 1., Registrované v: WOS
15. [1.1] HE, Hang - LIU, Yunpeng - ZHUANG, Pengfei. Omega(ccc) production in high energy nuclear collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 746, pp. 59-63., Registrované v: WOS
16. [1.1] HE, Min - FRIES, Rainer J. - RAPP, Ralf. Modifications of heavy-flavor spectra in root(NN)-N-S=62.4 GeV Au-Au collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 2, art. no. 024904., Registrované v: WOS
17. [1.1] HOROWITZ, W. A. Fluctuating heavy quark energy loss in a strongly coupled quark-gluon plasma. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 8, art. no. 085019., Registrované v: WOS
18. [1.1] CHEN, Baoyi. Elliptic flow as a probe for the psi(2S) production mechanism in relativistic heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 3, art. no. 034908.,
Registrované v: WOS
19. [1.1] CHIEN, Yang-Ting - EMERMAN, Alexander - KANG, Zhong-Bo - OVANESYAN, Grigory - VITEV, Ivan. Jet quenching from QCD

- evolution. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 074030., Registrované v: WOS
20. [1.1] LANG, Thomas - VAN HEES, Hendrik - INGHIRAMI, Gabriele - STEINHEIMER, Jan - BLEICHER, Marcus. Heavy quark transport in heavy ion collisions at energies available at the BNL Relativistic Heavy Ion Collider and at the CERN Large Hadron Collider within the UrQMD hybrid model. In PHYSICAL REVIEW C. ISSN 0556-2813, 2016, vol. 93, no. 1, art. no. 014901., Registrované v: WOS
21. [1.1] LIU, S.Y.F. - HE, M. - RAPP, R. Probing the in-medium QCD force by open heavy-flavor observables. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 6 2019, vol. 99, no. 5., Registrované v: WOS
22. [1.1] LOKHTIN, I.P. - SIDOROVA, A.A. Mechanisms of B Meson Suppression in Ultrarelativistic Heavy Ion Collisions. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, APR 2019, vol. 128, no. 4, p. 586-591., Registrované v: WOS
23. [1.1] MILOV, Alexander. The R-AA and v_2 of muons from heavy-quark decays in Pb plus Pb collisions at $\sqrt{s(NN)}=2.76$ TeV with the ATLAS detector. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 521-524., Registrované v: WOS
24. [1.1] NAHRGANG, Marlene - AICHELIN, Jorg - GOSSIAUX, Pol Bernard - WERNER, Klaus. Toward a consistent evolution of the quark-gluon plasma and heavy quarks. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 4, art. no. 044909., Registrované v: WOS
25. [1.1] OZVENCHUK, V. - AICHELIN, J. - GOSSIAUX, P. B. - GUIOT, B. - NAHRGANG, M. - WERNER, K. D-meson observables in Pb-Pb and p-Pb collisions at LHC with EPOSHQ model. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012033., Registrované v: WOS
26. [1.1] PLUMARI, Salvatore - MINISSALE, Vincenzo - DAS, Santosh K. - SCARDINA, Francesco - GRECO, Vincenzo. Strange and heavy hadrons production from coalescence plus fragmentation in AA collisions at RHIC and LHC. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 13005., Registrované v: WOS
27. [1.1] PLUMARI, S. - MINISSALE, V. - DAS, S. K. - COCI, G. - GRECO, V. Charmed hadrons from coalescence plus fragmentation in relativistic nucleus-nucleus collisions at RHIC and LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 348., Registrované v: WOS
28. [1.1] SCARDINA, Francesco - DAS, Santosh K. - MINISSALE, Vincenzo - PLUMARI, Salvatore - GRECO, Vincenzo. Estimating the charm quark diffusion coefficient and thermalization time from D meson spectra at energies available at the BNL Relativistic Heavy Ion Collider and the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 4, art. no. 044905., Registrované v: WOS
29. [1.1] SHI, S.Z. - LIAO, J.F. - GYULASSY, M. Global constraints from RHIC and LHC on transport properties of QCD fluids in CUJET/CIBJET framework. In CHINESE PHYSICS C. ISSN 1674-1137, APR 2019, vol. 43, no. 4., Registrované v: WOS
30. [1.1] SHI, Wei - ZHA, Wangmei - CHEN, Baoyi. Charmonium

coherent photoproduction and hadroproduction with effects of quark gluon plasma. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 777, pp. 399-405., Registrované v: WOS

31. [1.1] SONG, Taesoo - BERREHRAH, Hamza - CABRERA, Daniel - TORRES-RINCON, Juan M. - TOLOS, Laura - CASSING, Wolfgang - BRATKOVSKAYA, Elena. Tomography of the quark-gluon plasma by charm quarks. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 1, art. no. 014910., Registrované v: WOS

32. [1.1] SONG, Taesoo - BERREHRAH, Hamza. Hadronization time of heavy quarks in nuclear matter. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 3, art. no. 034901., Registrované v: WOS

33. [1.1] SONG, Taesoo - BERREHRAH, Hamza - CABRERA, Daniel - CASSING, Wolfgang - BRATKOVSKAYA, Elena. Charm production in Pb plus Pb collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 3, art. no. 034906., Registrované v: WOS

34. [1.1] SONG, Taesoo - BERREHRAH, Hamza - TORRES-RINCON, Juan M. - TOLOS, Laura - CABRERA, Daniel - CASSING, Wolfgang - BRATKOVSKAYA, Elena. Single electrons from heavy-flavor mesons in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 1, art. no. 014905., Registrované v: WOS

35. [1.1] SONG, Taesoo - CASSING, Wolfgang - MOREAU, Pierre - BRATKOVSKAYA, Elena. Open charm and dileptons from relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 6, art. no. 064907., Registrované v: WOS

36. [1.1] SRIVASTAVA, P. K. - PATRA, Binoy Krishna. Drag and diffusion of heavy quarks in a hot and anisotropic QCD medium. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 6, art. no. 116., Registrované v: WOS

37. [1.1] SUN, Jian. Open Heavy Flavor Measurements in Heavy Ion Collisions with CMS. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 481-484., Registrované v: WOS

38. [1.1] TANG, Z.B. - ZHA, W.M. - ZHANG, Y.F. An experimental review of open heavy flavor and quarkonium production at RHIC. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, AUG 4 2020, vol. 31, no. 8., Registrované v: WOS

39. [1.1] WANG, H. - CHEN, J.H. - MA, Y.G. - ZHANG, S. Charm hadron azimuthal angular correlations in Au plus Au collisions at root s(NN)=200 GeV from parton scatterings. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, DEC 2019, vol. 30, no. 12., Registrované v: WOS

40. [1.1] WANG, Jing. D meson nuclear modification factor in PbPb at 5.02 TeV with CMS. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 249-252., Registrované v: WOS

41. [1.1] XING, W.J. - CAO, S.S. - QIN, G.Y. - XING, H.X. Flavor hierarchy of jet quenching in relativistic heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, JUN 10 2020, vol. 805., Registrované v: WOS

42. [1.1] YOUNUS, Mohammed - COLEMAN-SMITH, Christopher E. - BASS, Steffen A. - SRIVASTAVA, Dinesh K. Charm quark energy loss in

infinite QCD matter using a parton cascade model. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 2, art. no. 024912., Registrované v: WOS 43. [1.1] YU, G.M. - CAI, Y.B. - BAI, Z. - HU, Q. Centrality Dependence of Charmed-Meson Photoproduction in Ultrarelativistic Heavy Ion Collisions. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, MAY 2019, vol. 71, no. 5, p. 563-567., Registrované v: WOS 44. [1.1] ZHAO, J.X. - ZHOU, K. - CHEN, S.L. - ZHUANG, P.F. Heavy flavors under extreme conditions in high energy nuclear collisions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, SEP 2020, vol. 114., Registrované v: WOS 45. [1.1] ZHOU, Kai - CHEN, Zhengyu - ZHUANG, Pengfei. Antishadowing Effect on Charmonium Production at a Fixed-Target Experiment Using LHC Beams. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 439689., Registrované v: WOS 46. [1.1] ZIGIC, D. - SALOM, I. - AUVINEN, J. - DJORDJEVIC, M. - DJORDJEVIC, M. DREENA-B framework: First predictions of R-AA and v_2 within dynamical energy loss formalism in evolving QCD medium. In PHYSICS LETTERS B. ISSN 0370-2693, APR 10 2019, vol. 791, p. 236-241., Registrované v: WOS

ADCA1193 AAMODT, K. - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - ŠÁNDOR, Ladislav - VALA, Martin. Suppression of charged particle production at large transverse momentum in central Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV. In *Physics Letters B*, 2011, vol. 696, no. 1-2, p. 30-39. (2010: 5.255 - IF, Q1 - JCR, 3.103 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2010.12.020>

Ohlasy:

1. [1.1] ABIR, Raktim - MAJUMDER, Abhijit. Drag-induced radiative energy loss from semihard heavy quarks. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 5, art. no. 054902., Registrované v: WOS
2. [1.1] BARI, Waseem - GANI, Qudsia - THOKER, Shamsul H. - TELI, Muzamil A. FORWARD-BACKWARD MULTIPLICITY CORRELATIONS IN RELATIVISTIC HEAVY-ION COLLISIONS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2015, vol. 46, no. 10, pp. 2039-2050., Registrované v: WOS
3. [1.1] BEGUN, Viktor - KIKOLA, Daniel - VOYCHENKO, Volodymyr - WIELANEK, Daniel. Estimation of the freeze-out parameters reachable in a fixed-target experiment at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034905., Registrované v: WOS
4. [1.1] BERTONE, Valerio - CARRAZZA, Stefano - HARTLAND, Nathan P. - NOCERA, Emanuele R. - ROJO, Juan. A determination of the fragmentation functions of pions, kaons, and protons with faithful uncertainties. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 8, art. no. 516., Registrované v: WOS
5. [1.1] BLAIZOT, J.P. - MEHTAR-TANI, Y. Jet structure in heavy ion collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2015, vol. 24, no. 11, art. no. 1530012., Registrované v: WOS

6. [1.1] CAO, Shanshan - LUO, Tan - QIN, Guang-You - WANG, Xin-Nian. Linearized Boltzmann transport model for jet propagation in the quark-gluon plasma: Heavy quark evolution. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 1, art. no. 014909., Registrované v: WOS
7. [1.1] CAO, Shanshan - QIN, Guang-You - BASS, Steffen A. Modeling of heavy-flavor pair correlations in Au-Au collisions at 200A GeV at the BNL Relativistic Heavy Ion Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 5, art. no. 054909., Registrované v: WOS
8. [1.1] COLELLA, Domencio - COLLABORATION, A. L. I. C. E. Multi-strange baryon production in pp, p Pb and Pb Pb collisions measured with ALICE. In HOT QUARKS 2014: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS. ISSN 1742-6588, 2015, vol. 612, art. no. 012062., Registrované v: WOS
9. [1.1] CSANAD, Mate - CSORGO, Tamas - JIANG, Ze-Fang - YANG, Chun-Bin. Initial Energy Density of root s = 7 and 8 TeV p-p Collisions at the LHC. In UNIVERSE. ISSN 2218-1997, 2017, vol. 3, no. 1, art. no. 9., Registrované v: WOS
10. [1.1] DAI, Wei - ZHANG, Ben-Wei - WANG, Enke. Production of $\rho(0)$ mesons with large p(T) at next-to-leading order in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, art. no. 024901., Registrované v: WOS
11. [1.1] DANIEL, Icaza - CABRERA, J. B. - ARIAS, P. Solar energy supply for the Rural Parish GAD's of Ecuador. In 2018 IEEE ANDESCON, 2018., Registrované v: WOS
12. [1.1] EDMONDS, Terrence - LI, Qingfeng - WANG, Fuqiang. Collisional broadening of angular correlations in a multiphase transport model. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 966, pp. 124-134., Registrované v: WOS
13. [1.1] ESPOSITO, A. - GUERRIERI, A. L. - MAIANI, L. - PICCININI, F. - PILLONI, A. - POLOSA, A. D. - RIQUEUR, V. Observation of light nuclei at ALICE and the X(3872) conundrum. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 034028., Registrované v: WOS
14. [1.1] FELIPE DIAZ-CARDENAS, Alfonso - DEL RAYO SANKEY-GARCIA, Maria - DIAZ-FURLONG, Alfonso - ADRIAN DIAZ-FURLONG, Hector - XOXOCOTZI-AGUILAR, Reyna - JAIME VAZQUEZ-LOPEZ, Jose - APAM-GARCIA, Cynthia. Characteristics of the scientific production of Puebla institutions indexed in the Web of Science. In INVESTIGACION BIBLIOTECOLOGICA. ISSN 0187-358X, 2017, pp. 43-77., Registrované v: WOS
15. [1.1] GRABOWSKA-BOLD, I. Vector-boson production in p plus Pb collisions measured with ATLAS at the LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 437-440., Registrované v: WOS
16. [1.1] HE, Yayun - LUO, Tan - WANG, Xin-Nian - ZHU, Yan. Linear Boltzmann transport for jet propagation in the quark-gluon plasma: Elastic processes and medium recoil. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 5, art. no. 054908., Registrované v: WOS
17. [1.1] HOROWITZ, W. A. Corrections and Uncertainties in Energy Loss Model Predictions. In 9TH INTERNATIONAL WORKSHOP ON HIGH-PT PHYSICS AT LHC. ISSN 1742-6588, 2015, vol. 589, art. no. 012011.,

Registrované v: WOS

18. [1.1] CHANDOLA, H. C. - PUNETHA, Garima - DEHNEN, H. Dual QCD thermodynamics and quark-gluon plasma. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 945, pp. 226-247., Registrované v: WOS

19. [1.1] CHANG, Ning-Bo - CAO, Shanshan - QIN, Guang-You. Probing medium-induced jet splitting and energy loss in heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 781, pp. 423-432., Registrované v: WOS

20. [1.1] CHANG, Ning-Bo - QIN, Guang-You. Full jet evolution in quark-gluon plasma and nuclear modification of jet production and jet shape in Pb plus Pb collisions at 2.76A TeV at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024902., Registrované v: WOS

21. [1.1] CHEN SHI-YONG - SHEN KE-MING - DAI WEI - ZHANG BEN-WEI - ZHANG HAN-ZHONG - WANG EN-KE. Centrality Dependence of Productions for Single Hadrons and Inclusive Jets in High-Energy p plus A Collisions with NLO QCD. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2015, vol. 64, no. 1, pp. 95-102., Registrované v: WOS

22. [1.1] CHEN, Lin - QIN, Guang-You - WEI, Shu-Yi - XIAO, Bo-Wen - ZHANG, Han-Zhong. Probing transverse momentum broadening via dihadron and hadron-jet angular correlations in relativistic heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 773, pp. 672-676., Registrované v: WOS

23. [1.1] CHEN, Yi. Jet Substructure through Splitting Functions And Mass in pp and PbPb collisions at 5.02 TeV with CMS. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 512-515., Registrované v: WOS

24. [1.1] CHIEN, Yang-Ting - EMERMAN, Alexander - KANG, Zhong-Bo - OVANESYAN, Grigory - VITEV, Ivan. Jet quenching from QCD evolution. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 074030., Registrované v: WOS

25. [1.1] CHIEN, Yang-Ting - VITEV, Ivan. Towards the understanding of jet shapes and cross sections in heavy ion collisions using soft-collinear effective theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, no. 5, art. no. 023., Registrované v: WOS

26. [1.1] CHIEN, Yang-Ting - VITEV, Ivan. Probing the Hardest Branching within Jets in Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 11, art. no. 112301., Registrované v: WOS

27. [1.1] ISLAM, Chowdhury Aminul - MAJUMDER, Sarbani - HAQUE, Najmul - MUSTAFA, Munshi G. Vector meson spectral function and dilepton production rate in a hot and dense medium within an effective QCD approach. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 2, art. no. 011., Registrované v: WOS

28. [1.1] KANG, Zhong-Bo - LASHOF-REGAS, Robin - OVANESYAN, Grigory - SAAD, Philip - VITEV, Ivan. Jet Quenching Phenomenology from Soft-Collinear Effective Theory with Glauber Gluons. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 9, art. no. 092002., Registrované v: WOS

29. [1.1] LEE, Yen-Jie. Studies of dijet pseudorapidity distributions and

- transverse momentum balance in pPb collisions at $\sqrt{s(NN)}=5.02$ TeV. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 352, pp. 27-34.,
 Registrované v: WOS
30. [1.1] LUO, Tan - CAO, Shanshan - HE, Yayun - WANG, Enke - WANG, Xin-Nian. Study of gamma-jet within a Linear Boltzmann Transport model. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 338-341., Registrované v: WOS
31. [1.1] LUO, Tan - CAO, Shanshan - HE, Yayun - WANG, Xin-Nian. Multiple jets and gamma-jet correlation in high-energy heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 782, pp. 707-716.,
 Registrované v: WOS
32. [1.1] LUO, Tan - HE, Yayun - WANG, Enke - WANG, Xin-Nian. Modification of reconstructed gamma jets in heavy-ion collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 585-588., Registrované v: WOS
33. [1.1] MA, Guo-Liang - NIE, Mao-Wu. Properties of Full Jet in High-Energy Heavy-Ion Collisions from Parton Scatterings. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 967474.,
 Registrované v: WOS
34. [1.1] MEHTAR-TANI, Yacine - TYWONIUK, Konrad. Radiative energy loss of neighboring subjects. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 979, pp. 165-203., Registrované v: WOS
35. [1.1] MEHTAR-TANI, Yacine. Theoretical Developments in QCD Jet Energy Loss. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 168-175., Registrované v: WOS
36. [1.1] NEMCHIK, Jan - PASECHNIK, Roman - POTASHNIKOVA, Irina. A heuristic description of high-p(T) hadron production in heavy ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 2, art. no. 95., Registrované v: WOS
37. [1.1] ORTIZ, Antonio - VAZQUEZ, Omar. Energy density and path-length dependence of the fractional momentum loss in heavy-ion collisions at $\sqrt{s(NN)}$ from 62.4 to 5020 GeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 1, art. no. 014910., Registrované v: WOS
38. [1.1] PANTUEV, V. S. Corona Effect in AA Collisions at the LHC. In JETP LETTERS. ISSN 0021-3640, 2017, vol. 105, no. 10, pp. 631-634.,
 Registrované v: WOS
39. [1.1] PIEROG, T. - KARPENKO, Iu. - KATZY, J. M. - YATSENKO, E. - WERNER, K. EPOS LHC: Test of collective hadronization with data measured at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 92, no. 3, art. no. 034906.,
 Registrované v: WOS
40. [1.1] QIN, Guang-You - MAJUMDER, Abhijit. Jet transport and photon bremsstrahlung via longitudinal and transverse scattering. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 4, art. no. 044906.,
 Registrované v: WOS
41. [1.1] QIN, Guang-You - WANG, Xin-Nian. Jet quenching in high-energy heavy-ion collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2015, vol. 24, no. 11, art. no. 1530014., Registrované v: WOS
42. [1.1] QIN, Guang-You. Anisotropic flow and jet quenching in

- relativistic nuclear collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2015, vol. 24, no. 2, art. no. 1530001., Registrované v: WOS
43. [1.1] RAHAMAN, Mahfuzur - GHOSH, Snigdha - GHOSH, Sabyasachi - SARKAR, Sourav - ALAM, Jan-e. Contribution of a kaon component in the viscosity and conductivity of a hadronic medium. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 035201., Registrované v: WOS
44. [1.1] SAKAGUCHI, Takao. Detailed study of parton energy loss via measurement of fractional momentum loss of high p(T) hadrons in heavy ion collisions. In 10TH INTERNATIONAL WORKSHOP ON HIGH-PT PHYSICS IN THE RHIC/LHC ERA. ISSN 1742-6588, 2017, vol. 805, art. no. UNSP 012012., Registrované v: WOS
45. [1.1] SENZEL, Florian - FOCHLER, Oliver - UPHOFF, Jan - XU, Zhe - GREINER, Carsten. Influence of multiple in-medium scattering processes on the momentum imbalance of reconstructed di-jets. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 11, art. no. 115104., Registrované v: WOS
46. [1.1] SENZEL, F. - XU, Z. - GREINER, C. Studies of the difference between light and heavy flavor energy loss by reconstructed jets. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 225-228., Registrované v: WOS
47. [1.1] SCHULC, Martin - TOMASIK, Boris. The effect of momentum deposition during fireball evolution on flow anisotropy. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 12, art. no. 125106., Registrované v: WOS
48. [1.1] SONG, Li-Hua - YAN, Lin-Wan. Constraining the transport coefficient in cold nuclear matter with the Drell-Yan process. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 4, art. no. 045203., Registrované v: WOS
49. [1.1] SULEYMANOV, M. The meaning behind observed p(T) regions at the LHC energies. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, 2018, vol. 27, no. 1, art. no. 1850008., Registrované v: WOS
50. [1.1] TANNENBAUM, M. J. How do quarks and gluons lose energy in the QGP? In 9TH INTERNATIONAL WORKSHOP ON HIGH-PT PHYSICS AT LHC. ISSN 1742-6588, 2015, vol. 589, art. no. 012019., Registrované v: WOS
51. [1.1] WANG, Quan. High p(T) Harmonics in PbPb Collisions at 5.02 TeV. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 397-400., Registrované v: WOS
52. [1.1] WANG, Rui-qin - SONG, Jun - SHAO, Feng-lan. Yield correlations and p(T) dependence of charmed hadrons in Pb plus Pb collisions at root S-NN=2.76 TeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 91, no. 1, art. no. 014909., Registrované v: WOS
53. [1.1] WANG, Rui-Qin - SONG, Jun - SUN, Kai-Jia - CHEN, Lie-Wen - LI, Gang - SHAO, Feng-Lan. Hidden-charm pentaquark states in heavy ion collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 4, art. no. 044913., Registrované v: WOS

54. [1.1] ZHANG, Le - HOU, De-Fu - QIN, Guang-You. Photon bremsstrahlung from quark jet via transverse and longitudinal scattering: Single versus multiple scattering. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024916., Registrované v: WOS
55. [1.1] ZHANG, S. - MA, Y. G. - CHEN, J. H. - ZHONG, C. Beam Energy Dependence of Hanbury-Brown-Twiss Radii from a Blast-Wave Model. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 9414239., Registrované v: WOS

ADCA1194 ACHARYA, S. - ADAMOVIĆ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Suppression of Lambda(1520) resonance production in central Pb-Pb collisions at root S-NN=2.76 TeV. In *Physical Review C*, 2019, vol. 99, no. 2, art. no. 024905. (2018: 3.132 - IF, Q2 - JCR, 1.502 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.99.024905>

Ohlasy:

1. [1.1] MOTORNENKO, A. - VOVCHENKO, V. - GREINER, C. - STOECKER, H. Kinetic freeze-out temperature from yields of short-lived resonances. In PHYSICAL REVIEW C. ISSN 0556-2813, AUG 13 2020, vol. 102, no. 2., Registrované v: WOS
2. [1.1] REICHERT, Tom - HILLMANN, Paula - LIMPHIRAT, Ayut - HEROLD, Christoph - BLEICHER, Marcus. A hadronic transport analysis on the Delta mass in Au plus Au reactions at 1.23 AGeV. In ASTRONOMISCHE NACHRICHTEN. ISSN 0004-6337, 2019, vol. 340, no. 9-10, pp. 1018-1022., Registrované v: WOS
3. [1.1] REICHERT, Tom - HILLMANN, Paula - LIMPHIRAT, Ayut - HEROLD, Christoph - BLEICHER, Marcus. Delta mass shift as a thermometer of kinetic decoupling in Au plus Au reactions at 1.23 AGeV. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 10, art. no. 105107., Registrované v: WOS
4. [1.1] VOVCHENKO, V. - GALLMEISTER, K. - SCHAFFNER-BIELICH, J. - GREINER, C. Nucleosynthesis in heavy-ion collisions at the LHC via the Saha equation. In PHYSICS LETTERS B. ISSN 0370-2693, JAN 10 2020, vol. 800., Registrované v: WOS

ADCA1195 ABELEV, Betty - ADAM, J. - ADAMOVIĆ, D. - AGGARWAL, M.M. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Suppression of psi(2S) production in p-Pb collisions at root sNN=5.02 TeV. In *Journal of High Energy Physics*, 2014, no. 12, art. no. 073. (2013: 6.220 - IF, Q1 - JCR, 1.173 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP12\(2014\)073](https://doi.org/10.1007/JHEP12(2014)073)

Ohlasy:

1. [1.1] DREES, Axel. Relative Yields and Nuclear Modification of psi ' to J/psi mesons in p plus p, p(He-3)+A Collisions at root S-NN=200 GeV, measured in PHENIX. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 417-420., Registrované v: WOS

2. [1.1] DU, Xiaojian - RAPP, Ralf. In-medium charmonium production in proton-nucleus collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2019, no. 3., Registrované v: WOS
3. [1.1] FRAWLEY, A.D. PHENIX Results on J/psi Production in p plus Al, p+Au and He-3+Au Collisions. In 36TH WINTER WORKSHOP ON NUCLEAR DYNAMICS. ISSN 1742-6588, 2020, vol. 1602., Registrované v: WOS
4. [1.1] GRAZIANI, Giacomo. Results on heavy ion physics at LHCb. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2018). ISSN 1742-6588, 2019, vol. 1271., Registrované v: WOS
5. [1.1] KOPELIOVICH, B. Z. - SCHMIDT, Ivan - SIDDIKOV, M. Suppression versus enhancement of heavy quarkonia in pA collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 6, art. no. 065203., Registrované v: WOS
6. [1.1] MICHELETTI, L. psi(2S) production in p-Pb collisions at root sNN = 8.16 TeV. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2018, vol. 41, no. 3, art. no. 99., Registrované v: WOS

ADCA1196 ABELEV, Betty - ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Suppression of Upsilon(1S) at forward rapidity in Pb-Pb collisions at root s(NN)=2.76 TeV. In *Physics Letters B*, 2014, vol. 738, p. 361-372. (2013: 6.019 - IF, Q1 - JCR, 3.707 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2014.10.001>

Ohlasy:

1. [1.1] AARTS, Gert - ALLTON, Chris - DE BONI, Davide - HANDS, Simon - JAGER, Benjamin - PRAKI, Chrisanthi - SKULLERUD, Jon-Ivar. Light baryons below and above the deconfinement transition: medium effects and parity doubling. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 6, art. no. 034., Registrované v: WOS
2. [1.1] AKAMATSU, Yukinao - ASAKAWA, Masayuki - KAJIMOTO, Shiori - ROTHKOPF, Alexander. Quantum dissipation of a heavy quark from a nonlinear stochastic Schrodinger equation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, art. no. 029., Registrované v: WOS
3. [1.1] BRAMBILLA, Nora - ESCOBEDO, Miguel A. - SOTO, Joan - VAIRO, Antonio. Heavy quarkonium suppression in a fireball. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, art. no. 074009., Registrované v: WOS
4. [1.1] DINH, V.H. - HOELCK, J. - WOLSCHIN, G. Hot-medium effects on Upsilon yields in pPb collisions at root S-NN=8.16 TeV. In PHYSICAL REVIEW C. ISSN 2469-9985, AUG 13 2019, vol. 100, no. 2., Registrované v: WOS
5. [1.1] DU, Xiaojian - HE, Min - RAPP, Ralf. In-Medium Bottomonium Production in Heavy-Ion Collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 904-907., Registrované v: WOS
6. [1.1] DU, X. - HE, M. - RAPP, R. Color screening and regeneration

- of bottomonia in high-energy heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 5, art. no. 054901., Registrované v: WOS
7. [1.1] DU, X.J. - LIU, S.Y.F. - RAPP, R. Extraction of the heavy-quark potential from bottomonium observables in heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, SEP 10 2019, vol. 796, p. 20-25., Registrované v: WOS
8. [1.1] GOSSIAUX, P.B - KATZ, R. Dynamical bottomonium-suppression in a realistic AA background. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012041., Registrované v: WOS
9. [1.1] HOELCK, J. - NENDZIG, F. - WOLSCHIN, G. In-medium Y suppression and feed-down in UU and PbPb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 2, art. no. 024905., Registrované v: WOS
10. [1.1] CHEN, Baoyi - ZHAO, Jiaying. Bottomonium continuous production from unequilibrium bottom quarks in ultrarelativistic heavy ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 772, pp. 819-824., Registrované v: WOS
11. [1.1] KAJIMOTO, Shiori - AKAMATSU, Yukinao - ASAKAWA, Masayuki - ROTHKOPF, Alexander. Dynamical dissociation of quarkonia by wave function decoherence. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 014003., Registrované v: WOS
12. [1.1] KIKOLA, Daniel. Five things you should remember about heavy flavor measurements. In HOT QUARKS 2014: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS. ISSN 1742-6588, 2015, vol. 612, art. no. 012023., Registrované v: WOS
13. [1.1] KROUPPA, Brandon - RYBLEWSKI, Radoslaw - STRICKLAND, Michael. Bottomonia suppression in 2.76 TeV Pb-Pb collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 6, art. no. 061901., Registrované v: WOS
14. [1.1] KUMAR, Vineet - SHUKLA, Prashant - VOGT, Ramona. Quarkonia suppression in PbPb collisions at $\sqrt{s(NN)}=2.76$ TeV. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 2, art. no. 024908., Registrované v: WOS
15. [1.1] KUMAR, V. - SHUKLA, P. - BHATTACHARYYA, A. Suppression of quarkonia in PbPb collisions at $\sqrt{s(NN)}=5.02$ TeV. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JAN 2020, vol. 47, no. 1., Registrované v: WOS
16. [1.1] MIURA, T. - AKAMATSU, Y. - ASAKAWA, M. - ROTHKOPF, A. Quantum Brownian motion of a heavy quark pair in the quark-gluon plasma. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 11 2020, vol. 101, no. 3., Registrované v: WOS
17. [1.1] WOLSCHIN, Georg. Bottomia physics at RHIC and LHC. In XLVI INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2016). ISSN 2100-014X, 2017, vol. 141, art. no. UNSP 05007., Registrované v: WOS
18. [1.1] WOLSCHIN, Georg. Upsilon suppression in the QGP at the LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 729-732., Registrované v: WOS

19. [1.1] WOLSCHIN, G. Aspects of Relativistic Heavy-Ion Collisions. In UNIVERSE. MAY 2020, vol. 6, no. 5., Registrované v: WOS
20. [1.1] WOLSCHIN, G. Bottomonium spectroscopy in the quark-gluon plasma. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, OCT 20 2020, vol. 35, no. 29., Registrované v: WOS
21. [1.1] WOLSCHIN, G. Hot-medium effects on Upsilon yields in p-Pb and Pb-Pb collisions. In XLIX INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2019). ISSN 2100-014X, 2020, vol. 235., Registrované v: WOS
22. [1.1] YU, Gong-Ming - CAI, Yang-Bing - LI, Yun-De - WANG, Jian-Song. Heavy quarkonium photoproduction in ultrarelativistic heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 1, art. no. 014905., Registrované v: WOS
23. [1.1] ZHA, Wangmei - TANG, Zebo. Experimental review of quarkonium production in heavy-ion collisions. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 83-88., Registrované v: WOS

ADCA1197 ACHARYA, S. - ADAM, J. - ADAMOVIĆ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Systematic studies of correlations between different order flow harmonics in Pb-Pb collisions at root s(NN)=2.76 TeV. In *Physical Review C*, 2018, vol. 97, no. 2, art. no. 024906. (2017: 3.304 - IF, Q2 - JCR, 1.443 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na:
<https://doi.org/10.1103/PhysRevC.97.024906>

Ohlasy:

1. [1.1] BHALERAO, Rajeev S. - GIACALONE, Giuliano - OLLITRAULT, Jean-Yves. Primordial non-Gaussianity in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 1, art. no. 014909., Registrované v: WOS
2. [1.1] GIACALONE, Giuliano - YAN, Li - OLLITRAULT, Jean-Yves. Nonlinear coupling of flow harmonics: Hexagonal flow and beyond. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 5, art. no. 054905., Registrované v: WOS
3. [1.1] CHATTOPADHYAY, Chandrodoy - BHALERAO, Rajeev S. - OLLITRAULT, Jean-Yves - PAL, Subrata. Effects of initial-state dynamics on collective flow within a coupled transport and viscous hydrodynamic approach. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034915., Registrované v: WOS
4. [1.1] NIEMI, H. - ESKOLA, K. J. - PAATELAINEN, R. - TUOMINEN, K. Latest predictions from the EbyE NLO EKRT model. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 443-446., Registrované v: WOS
5. [1.1] TURKAN, A. - DAG, H. - SUNGU, J. Y. - VELIEV, E. Veli. Light D-wave axial-tensor K-2(1820) meson at finite temperature. In EPL. ISSN 0295-5075, 2019, vol. 126, no. 5, art. no. 51001., Registrované v: WOS

ADCA1198 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin.

Technical Design Report for the Upgrade of the ALICE Inner Tracking System. In *Journal of Physics G: Nuclear and particle physics*, 2014, vol. 41, no. 8, art. no. 087002. (2013: 2.838 - IF, Q2 - JCR, 2.163 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS). ISSN 0954-3899. Dostupné na: <https://doi.org/10.1088/0954-3899/41/8/087002>

Ohlasy:

1. [1.1] BERAUDO, Andrea. Heavy flavour in high-energy nuclear collisions: a theoretical overview. In TNPI2016 XV CONFERENCE ON THEORETICAL NUCLEAR PHYSICS IN ITALY. ISSN 1742-6588, 2018, vol. 981, art. no. 012016., Registrované v: WOS
2. [1.1] BRUNO, Giuseppe Eugenio. CERN achievements in relativistic heavy ion collisions. In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, art. no. 06001., Registrované v: WOS
3. [1.1] ESHA, Roli - NASIM, Md - HUANG, Huan Zhong. Insight from elliptic flow of open charm mesons using quark coalescence model at RHIC and LHC energies. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 4, art. no. 045109., Registrované v: WOS
4. [1.1] GARCIA-SCIVERES, Maurice - WERMES, Norbert. A review of advances in pixel detectors for experiments with high rate and radiation. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2018, vol. 81, no. 6, art. no. 066101., Registrované v: WOS
5. [1.1] HATSUI, Takaki - GRAAFSMA, Heinz. X-ray imaging detectors for synchrotron and XFEL sources. In IUCRJ. ISSN 2052-2525, 2015, vol. 2, pp. 371-383., Registrované v: WOS
6. [1.1] CHEN, Jinhui - KEANE, Declan - MA, Yu-Gang - TANG, Aihong - XU, Zhangbu. Antinuclei in heavy-ion collisions. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2018, vol. 760, pp. 1-39., Registrované v: WOS
7. [1.1] LAZAREVA, T. V. New detector for studies of cumulative processes in hadron collisions in NA61(SHINE) at the CERN SPS. In INTERNATIONAL CONFERENCE ON PARTICLE PHYSICS AND ASTROPHYSICS. ISSN 1742-6588, 2017, vol. 798, art. no. UNSP 012185., Registrované v: WOS
8. [1.1] MERZLAYA, A. Open Charm Measurements at CERN SPS Energies with the New Vertex Detector of the NA61/SHINE Experiment: Status and Plans. In UNIVERSE. ISSN 2218-1997, JAN 2019, vol. 5, no. 1., Registrované v: WOS
9. [1.1] NASIM, Md. - ESHA, Roli - HUANG, Huan Zhong. An Experimental Review on Heavy-Flavor $v(2)$ in Heavy-Ion Collision. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 7140231., Registrované v: WOS
10. [1.1] POLAKOVIC, T. - ARMSTRONG, W. - KARAPETROV, G. - MEZIANI, Z.E. - NOVOSAD, V. Unconventional Applications of Superconducting Nanowire Single Photon Detectors. In NANOMATERIALS. JUN 2020, vol. 10, no. 6., Registrované v: WOS
11. [1.1] SEIDEL, S. Silicon strip and pixel detectors for particle physics experiments. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, OCT 3 2019, vol. 828, p. 1-34., Registrované v:

WOS

12. [1.1] SHI, Zhan - TANG, Zhenan - FENG, Chong - CAI, Hong. Improvement to the signaling interface for CMOS pixel sensors. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2016, vol. 832, pp. 77-84., Registrované v:

WOS

13. [1.1] SUMOWIDAGDO, Suharyo. Experimental study of matter under the influence non-abelian gauge theory. In CONFERENCE ON THEORETICAL PHYSICS AND NONLINEAR PHENOMENA 2016. ISSN 1742-6588, 2017, vol. 856, art. no. UNSP 012002., Registrované v: WOS

14. [1.1] VARGA-KOFARAGO, M. Medical Applications of the ALPIDE Detector. In UNIVERSE. ISSN 2218-1997, MAY 2019, vol. 5, no. 5., Registrované v: WOS

15. [1.1] WERMES, N. Pixel detectors ... where do we stand?. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, APR 21 2019, vol. 924, p. 44-50., Registrované v: WOS

ADCA1199 AAD, G. - ABBOTT, B. - ABDINOV, O. - ABDALLAH, J. - ABELOOS, B. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Test of CP Invariance in vector-boson fusion production of the Higgs boson using the Optimal Observable method in the ditau decay channel with the ATLAS detector. In *European Physical Journal C*, 2016, vol. 76, no. 12, art. no. 658. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4499-5>

Ohlasy:

1. [1.1] DAWSON, S. - ENGLERT, C. - PLEHN, T. Higgs physics: It ain't over till it is over. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, JUL 3 2019, vol. 816, p. 1-85., Registrované v: WOS

2. [1.1] DEV, P. S. Bhupal - MOHAPATRA, Rabindra N. - ZHANG, Yongchao. Leptogenesis constraints on B L breaking Higgs boson in TeV scale seesaw models. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 3, art. no. 122., Registrované v: WOS

3. [1.1] GHOSH, T. - GODBOLE, R. - TATA, X. Determining the spacetime structure of bottom-quark couplings to spin-zero particles. In PHYSICAL REVIEW D. ISSN 2470-0010, JUL 18 2019, vol. 100, no. 1., Registrované v: WOS

4. [1.1] GULOV, A. V. - MOROZ, Ya. S. Optimal observables for Z' models in annihilation leptonic processes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, art. no. 115014., Registrované v: WOS

5. [1.1] CHEUNG, K. - LEE, J.S. - TSENG, P.Y. New emerging results in Higgs precision analysis updates 2018 after establishment of third-generation Yukawa couplings. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 12 2019, no. 9., Registrované v: WOS

6. [1.1] MA, K. Enhancing CP measurement of the Yukawa interactions of top-quark at $e(-)e(+)$ collider. In PHYSICS LETTERS B. ISSN 0370-2693,

OCT 10 2019, vol. 797., Registrované v: WOS

7. [1.1] MUEHLLEITNER, Margarete - SAMPAIO, Marco O. P. - SANTOS, Rui - WITTBRODT, Jonas. Phenomenological comparison of models with extended Higgs sectors. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 8, art. no. 132., Registrované v: WOS

8. [1.1] WAN, X. - WANG, Y.K. Probing the CP violating H gamma gamma coupling using interferometry. In CHINESE PHYSICS C. ISSN 1674-1137, JUL 2019, vol. 43, no. 7., Registrované v: WOS

ADCA1200 AKTAS, A. - BRUNCKO, Dušan - FERENCEI, Jozef - MURÍN, Pavol - TOMASZ, Filip. Tests of QCD factorisation in the diffractive production of dijets in deep-inelastic scattering and photoproduction at HERA. In *European Physical Journal C*, 2007, vol. 51, no. 3, p. 549-568. (2006: 3.251 - IF, Q2 - JCR, 1.589 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-007-0325-4>

Ohlasy:

1. [1.1] ROYON, Christophe - SAIMPERT, Matthias. Exploring the Pomeron structure at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 8, art. no. 1542008., Registrované v: WOS

ADCA1201 AAMODT, K. - BÁN, Jaroslav - KRÁLIK, Ivan - KRIVDA, Marián - PASTIRČÁK, Blahoslav - ŠÁNDOR, Ladislav. The ALICE experiment at the CERN LHC. In *Journal of Instrumentation* [elektronický zdroj], 2008, vol. 3, art. no. S08002. (2007: 0.216 - SJR, Q3 - SJR, Current Contents - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 1748-0221. Dostupné na: <https://doi.org/10.1088/1748-0221/3/08/S08002>

Ohlasy:

1. [1.1] ADRIANI, O. - BERTI, E. - BONECHI, L. - BONGI, M. - D'ALESSANDRO, R. - DETTI, S. - HAGUENAUER, M. - ITOW, Y. - KASAHARA, K. - MENJO, H. - MURAKI, Y. - OHASHI, K. - PAPINI, P. - RICCIARINI, S. - SAKO, T. - SAKURAI, N. - SATO, K. - TAMURA, T. - TIBERIO, A. - TORII, S. - TRICOMI, A. - TURNER, W.C. - UENO, M. Measurement of energy flow, cross section and average inelasticity of forward neutrons produced in root s=13 TeV proton-proton collisions with the LHCf Arm2 detector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 2 2020, no. 7., Registrované v: WOS

2. [1.1] AI, P. - WANG, D. - HUANG, G. - FANG, N. - XU, D. - ZHANG, F. Timing and characterization of shaped pulses with MHz ADCs in a detector system: a comparative study and deep learning approach. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, MAR 2019, vol. 14., Registrované v: WOS

3. [1.1] ANIELSKI, J. Multiplicity Dependence of (Anti-)Deuteron Production in p-Pb Collisions at root(NN)-N-S=5.02 TeV Measured with ALICE. In HOT QUARKS 2014: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS. ISSN 1742-6588, 2015, vol. 612, art. no. 012014., Registrované v: WOS

4. [1.1] ARAMAKI, T. - BOGGS, S. - BUFALINO, S. - DAL, L. - VON DOETINCHEM, P. - DONATO, F. - FORNENGO, N. - FUKU, H. - GREFE, M. - HAILEY, C. - HAMILTON, B. - IBARRA, A. - MITCHELL, J. -

- MOGNET, I. - ONG, R. A. - PEREIRA, R. - PEREZ, K. - PUTZE, A. - RAKLEV, A. - SALATI, P. - SASAKI, M. - TARLE, G. - URBANO, A. - VITTINO, A. - WILD, S. - XUE, W. - YOSHIMURA, K. Review of the theoretical and experimental status of dark matter identification with cosmic-ray antideuterons. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2016, vol. 618, no., pp. 1-37., Registrované v: WOS
5. [1.1] ARTEM, I. Heavy flavor jets in ALICE. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, NOV 2020, vol. 29, no. 11, SI., Registrované v: WOS
6. [1.1] AYYAD, Y. - BAZIN, D. - BECEIRO-NOVO, S. - CORTESI, M. - MITTIG, W. Physics and technology of time projection chambers as active targets. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 10, art. no. 181., Registrované v: WOS
7. [1.1] AZZOPARDI, G. - SALVACHUA, B. - VALENTINO, G. - REDAELLI, S. - MUSCAT, A. Operational results on the fully automatic LHC collimator alignment. In PHYSICAL REVIEW ACCELERATORS AND BEAMS. ISSN 2469-9888, SEP 30 2019, vol. 22, no. 9., Registrované v: WOS
8. [1.1] BAEK, Y.W. - WILLIAMS, M.C.S. Study of a large strip-type MRPC with single-ended readout. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, OCT 1 2019, vol. 940, p. 283-287., Registrované v: WOS
9. [1.1] BANSAL, S. - VAN HAEVERMAET, H. Forward physics results on jet production and energy flow at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, FEB 10 2020, vol. 35, no. 4., Registrované v: WOS
10. [1.1] BARILE, Francesco. Light (hyper-)nuclei production at the LHC measured with ALICE. In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, no., pp., Registrované v: WOS
11. [1.1] BARNEY, D. Calorimetry in Particle Physics, and the CMS High-Granularity Calorimeter. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, JUL 2020, vol. 15, no. 7., Registrované v: WOS
12. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
13. [1.1] BEHERA, N.K. CUMULANTS OF NET-PROTON NUMBER FLUCTUATIONS FROM ALICE AT THE LHC. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, p. 241-246., Registrované v: WOS
14. [1.1] BIANCHI, A. R&D studies on eco-friendly gas mixtures for the ALICE Muon Identifier. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, SEP 2019, vol. 14., Registrované v: WOS
15. [1.1] BILKI, Burak. Identification of the hadronic interaction layer in a highly granular calorimeter by multivariate techniques. In TURKISH JOURNAL OF PHYSICS. ISSN 1300-0101, 2017, vol. 41, no. 3, pp. 262-268., Registrované v: WOS
16. [1.1] BONAVENTURA, Matias - FOGUELMAN, Daniel -

CASTRO, Rodrigo. Discrete Event Modeling and Simulation-Driven Engineering for the ATLAS Data Acquisition Network. In COMPUTING IN SCIENCE & ENGINEERING. ISSN 1521-9615, 2016, vol. 18, no. 3, pp. 70-83., Registrované v: WOS

17. [1.1] BORNIAKOV, V. G. - BOYDA, D. L. - GOY, V. A. - MOLOCHKOV, A. V. - NAKAMURA, Atsushi - NIKOLAEV, A. A. - ZAKHAROV, V. I. New approach to canonical partition functions computation in N-f=2 lattice QCD at finite baryon density. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 9, art. no. 094506., Registrované v: WOS

18. [1.1] BORNIAKOV, V. G. - BOYDA, D. L. - GOY, V. A. - MOLOCHKOV, A. V. - NAKAMURA, Atsushi - NIKOLAEV, A. A. - ZAKHAROV, V. I. Study of lattice QCD at finite chemical potential using the canonical ensemble approach. In XXIII INTERNATIONAL BALDIN SEMINAR ON HIGH ENERGY PHYSICS PROBLEMS RELATIVISTIC NUCLEAR PHYSICS AND QUANTUM CHROMODYNAMICS (BALDIN ISHEPP XXIII). ISSN 2100-014X, 2017, vol. 138, art. no. UNSP 02002., Registrované v: WOS

19. [1.1] BORNIAKOV, V. G. - BOYDA, D. L. - GOY, V. A. - MOLOCHKOV, A. V. - NAKAMURA, Atsushi - NIKOLAEV, A. A. - ZAKHAROV, V. I. Study of lattice QCD at finite baryon density using the canonical approach. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 07017., Registrované v: WOS

20. [1.1] BRENDLINGER, Kurt. Experimental Apparatus. In PHYSICS WITH ELECTRONS IN THE ATLAS DETECTOR. ISSN 2190-5053, 2018, pp. 15-31., Registrované v: WOS

21. [1.1] BUFALINO, S. Strangeness and nuclei production in nuclear collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, FEB 2019, vol. 982, p. 64-70., Registrované v: WOS

22. [1.1] BUGNON, O. Coherent J/psi photoproduction in peripheral heavy-ion collisions. In EPL. ISSN 0295-5075, FEB 2020, vol. 129, no. 4., Registrované v: WOS

23. [1.1] BZDAK, Adam - MA, Guo-Liang. A remark on the sign change of the four-particle azimuthal cumulant in small systems. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 781, pp. 117-121., Registrované v: WOS

24. [1.1] BZDAK, Adam - MA, Guo-Liang. Elliptic flow coefficients from transverse momentum conservation. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 1, art. no. 014903., Registrované v: WOS

25. [1.1] CARNESECCHI, F. Performance of the ALICE Time-Of-Flight detector at the LHC. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, JUN 2019, vol. 14., Registrované v: WOS

26. [1.1] CASSE, G. New trends in silicon detector technology. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, MAY 2020, vol. 15, no. 5., Registrované v: WOS

27. [1.1] CASULA, Ester Anna Rita. Low mass dimuon production in pp, p-Pb and Pb-Pb collisions with the ALICE muon spectrometer. In HOT QUARKS 2014: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS. ISSN 1742-6588, 2015, vol. 612, art. no. 012025., Registrované v: WOS

28. [1.1] CASULA, Ester Anna Rita. ϕ meson production in Pb-Pb collisions at $\sqrt{s(NN)}=5.02$ TeV with ALICE at the LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 425-428., Registrované v: WOS
29. [1.1] CATALANO, F. Measurement of D-meson production and flow in Pb-Pb collisions with ALICE at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, NOV 2020, vol. 29, no. 11, SI., Registrované v: WOS
30. [1.1] COLELLA, Domencio - COLLABORATION, A. L. I. C. E. Multi-strange baryon production in pp, p Pb and Pb Pb collisions measured with ALICE. In HOT QUARKS 2014: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS. ISSN 1742-6588, 2015, vol. 612, art. no. 012062., Registrované v: WOS
31. [1.1] COLELLA, D. Strangeness Production in pp, p-Pb and Pb-Pb Collisions at the LHC Energies Measured with ALICE. In PROCEEDINGS OF THE 21ST PARTICLES AND NUCLEI INTERNATIONAL CONFERENCE (PANIC 2017). ISSN 2010-1945, 2018, vol. 46, art. no. 1860017., Registrované v: WOS
32. [1.1] DEJA, K. - TRZCINSKI, T. - GRACZYKOWSKI, L. Generative Models for Fast Cluster Simulations in the TPC for the ALICE Experiment. In INFORMATION TECHNOLOGY, SYSTEMS RESEARCH, AND COMPUTATIONAL PHYSICS. ISSN 2194-5357, 2020, vol. 945, p. 267-280., Registrované v: WOS
33. [1.1] DJILKIBAEV, R. M. Investigation of a LYSO Crystal for a Low-Energy Calorimeter. In INSTRUMENTS AND EXPERIMENTAL TECHNIQUES. ISSN 0020-4412, 2017, vol. 60, no. 3, pp. 330-335., Registrované v: WOS
34. [1.1] DREWES, M. - GIAMMANCO, A. - HAJER, J. - LUCENTE, M. New long-lived particle searches in heavy-ion collisions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, MAR 3 2020, vol. 101, no. 5., Registrované v: WOS
35. [1.1] ENE, A.C. - JIPA, A. - GIUBEGA, L.E. Study of Monte Carlo event generators for proton-proton collisions at LHC energies in the forward region. In CHINESE PHYSICS C. ISSN 1674-1137, AUG 2019, vol. 43, no. 8., Registrované v: WOS
36. [1.1] FAIRBAIRN, Malcolm - PINFOLD, James L. MoEDAL a new light on the high-energy frontier. In CONTEMPORARY PHYSICS. ISSN 0010-7514, 2017, vol. 58, no. 1, pp. 1-24., Registrované v: WOS
37. [1.1] FELIPE DIAZ-CARDENAS, Alfonso - DEL RAYO SANKEY-GARCIA, Maria - DIAZ-FURLONG, Alfonso - ADRIAN DIAZ-FURLONG, Hector - XOXOCOTZI-AGUILAR, Reyna - JAIME VAZQUEZ-LOPEZ, Jose - APAM-GARCIA, Cynthia. Characteristics of the scientific production of Puebla institutions indexed in the Web of Science. In INVESTIGACION BIBLIOTECOLOGICA. ISSN 0187-358X, 2017, pp. 43-77., Registrované v: WOS
38. [1.1] FEUILLARD, Victor. Chaimonium production in Pb-Pb collisions measured by ALICE at the LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 389-392., Registrované v: WOS

39. [1.1] FIONDA, F. QUARKONIUM PRODUCTION MEASUREMENTS WITH THE ALICE DETECTOR AT THE LHC. In UKRAINIAN JOURNAL OF PHYSICS. ISSN 2071-0186, 2019, vol. 64, no. 7, p. 566-572., Registrované v: WOS
40. [1.1] FORTE, S. - LEVY, A. - RIDOLFI, G. From My Vast Repertoire ... Guido Altarelli's Legacy Preface. In FROM MY VAST REPERTOIRE ... : GUIDO ALTARELLI'S LEGACY. 2019, p. V-+., Registrované v: WOS
41. [1.1] FRONZE, G. G. Measurements of quarkonium production in p-Pb and Pb-Pb collisions with ALICE at LHC. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2018, vol. 41, no. 1-2, art. no. 14., Registrované v: WOS
42. [1.1] FRONZE, G.G. Measurements of quarkonium production in p-Pb and Pb-Pb collisions with ALICE at the LHC. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, MAR-JUN 2019, vol. 42, no. 2-3., Registrované v: WOS
43. [1.1] GAJDOSOVA, K.K. Collectivity in small and large collision systems at the LHC with ALICE. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2018). ISSN 1742-6588, 2019, vol. 1271., Registrované v: WOS
44. [1.1] GAUCI, J.L. - GATT, E. - CASHA, O. Preparing the ALICE-HMPID RICH for the high-luminosity LHC period 2021-2023. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, FEB 1 2020, vol. 952., Registrované v: WOS
45. [1.1] GAZDZICKI, M. Phase diagram of strongly interacting matter: the last 20 years at the CERN SPS. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 22-23, p. 3507-3516., Registrované v: WOS
46. [1.1] GIAMMANCO, Andrea - SCHWIENHORST, Reinhard. Single top-quark production at the Tevatron and the LHC. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2018, vol. 90, no. 3, art. no. 035001., Registrované v: WOS
47. [1.1] GLIGOROV, V.V. - KNAPEN, S. - NACHMAN, B. - PAPUCCI, M. - ROBINSON, D.J. Leveraging the ALICE/L3 cavern for long-lived particle searches. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 16 2019, vol. 99, no. 1., Registrované v: WOS
48. [1.1] GLITZA, K. W. - MAETTIG, P. - SANNY, B. - SCHMITT, U. - SIEGFANZ, A. - SRINIVASAN, M. Development of diamond powder filled carbon fibre pipes. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2017, vol. 12, art. no. T08005., Registrované v: WOS
49. [1.1] GONZALEZ, V. Characterizing the medium created in Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV by means of the evolution of two-particle transverse momentum correlations. In 36TH WINTER WORKSHOP ON NUCLEAR DYNAMICS. ISSN 1742-6588, 2020, vol. 1602., Registrované v: WOS
50. [1.1] GONZALEZ, V. Two-Particle Transverse Momentum Correlations in Pb-Pb Collisions at $\sqrt{s(NN)}=2.76$ TeV. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, MAY 2020, vol. 51, no. 3, p.

340-344., Registrované v: WOS

51. [1.1] GRACZYKOWSKI, Lukasz Kamil. SOFT QGP PROBES WITH ALICE. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 6, pp. 1473-1487., Registrované v: WOS

52. [1.1] HAAKE, R. - LOIZIDES, C. Machine-learning-based jet momentum reconstruction in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, JUN 17 2019, vol. 99, no. 6., Registrované v: WOS

53. [1.1] HAMON, Julien. D-meson production in proton-proton collisions with ALICE at the LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2018, vol. 294, pp. 32-36., Registrované v: WOS

54. [1.1] HUANG, Ling - MA, Chun-Wang - MA, Guo-Liang. Investigating the quark flavor dependence of the chiral magnetic effect with a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034909., Registrované v: WOS

55. [1.1] CHAREST, Jonathan - BEAUDOIN, Jean-Francois - BERGERON, Melanie - CADORETTE, Jules - ARPIN, Louis - LECOMTE, Roger - BRUNET, Charles-Antoine - FONTAINE, Rejean. Impacts of Intelligent Automated Quality Control on a Small Animal APD-Based Digital PET Scanner. In IEEE TRANSACTIONS ON NUCLEAR SCIENCE. ISSN 0018-9499, 2016, vol. 63, no. 5, pp. 2550-2557., Registrované v: WOS

56. [1.1] CHENG, Yangyang. The ATLAS Experiment at the Large Hadron Collider. In SEARCH FOR DARK MATTER PRODUCED IN ASSOCIATION WITH A HIGGS BOSON DECAYING TO TWO BOTTOM QUARKS AT ATLAS. ISSN 2190-5053, 2017, pp. 25-39., Registrované v: WOS

57. [1.1] CHEN, Jinhui - KEANE, Declan - MA, Yu-Gang - TANG, Aihong - XU, Zhangbu. Antinuclei in heavy-ion collisions. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2018, vol. 760, pp. 1-39., Registrované v: WOS

58. [1.1] CHEN, Lizhu - LI, Zhiming - CUI, Fenping - WU, Yuanfang. Measurement of the ratio of the sixth order to the second order cumulant of net-proton multiplicity distributions in relativistic heavy-ion collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 957, pp. 60-70., Registrované v: WOS

59. [1.1] IDDON, J.P. Commissioning of the new ALICE Inner Tracking System. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, AUG 2020, vol. 15, no. 8., Registrované v: WOS

60. [1.1] INABA, Motoi - CHUJO, Tatsuya - HIRANO, Masahiro. Development of the FoCal-E PAD detector and its electronics for the ALICE experiment at the LHC. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2016, vol. 824, pp. 299-301., Registrované v: WOS

61. [1.1] INABA, M. FoCal pad prototype and its test results. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, DEC 2020, vol. 15, no. 12., Registrované v: WOS

62. [1.1] JACAZIO, Nicolo. Production of identified charged hadrons in Pb-Pb collisions at $\sqrt{s(NN)}=5.02$ TeV. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 421-424., Registrované v: WOS

63. [1.1] JANIĆ, Malgorzata Anna. Exploration of particle production

- mechanisms via angular correlations of π , κ , p , Λ with ALICE in pp collisions at $\sqrt{s}=7$ TeV. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 19003., Registrované v: WOS
64. [1.1] JENA, Satyajit. Recent results on event-by-event fluctuations in ALICE at the LHC. In HOT QUARKS 2014: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS. ISSN 1742-6588, 2015, vol. 612, art. no. 012047., Registrované v: WOS
65. [1.1] JIA, S. - ZHOU, X.Y. - SHEN, C.P. Experimental review of the γ (1S, 2S, 3S) physics at $e^{+}e^{-}$ colliders and the LHC. In FRONTIERS OF PHYSICS. ISSN 2095-0462, AUG 8 2020, vol. 15, no. 6., Registrované v: WOS
66. [1.1] KAWECKA, A. Collective dynamics in relativistic nuclear collisions studied with ALICE at the LHC. In PHOTONICS APPLICATIONS IN ASTRONOMY, COMMUNICATIONS, INDUSTRY, AND HIGH ENERGY PHYSICS EXPERIMENTS 2020. ISSN 0277-786X, 2020, vol. 11581., Registrované v: WOS
67. [1.1] KHAN, R. Forward neutron energy spectra at $\sqrt{s}=7$ TeV. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, JUL 2020, vol. 29, no. 7., Registrované v: WOS
68. [1.1] KHOZE, V. A. - MARTIN, A. D. - RYSKIN, M. G. Can invisible objects be 'seen' via forward proton detectors at the LHC? In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 5, art. no. 055002., Registrované v: WOS
69. [1.1] KLIMENTOV, A.A. Exascale Data Processing in Heterogeneous Distributed Computing Infrastructure for Applications in High Energy Physics. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, NOV 2020, vol. 51, no. 6, p. 995-1068., Registrované v: WOS
70. [1.1] KOFARAGO, Monika. Near-side jet peak broadening in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 342-345., Registrované v: WOS
71. [1.1] KONDRATYUK, E. Photon identification in the ALICE photon spectrometer PHOS with charged-particle veto detector CPV. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, APR 2020, vol. 15, no. 4., Registrované v: WOS
72. [1.1] KOVALENKO, O. NEUTRAL MESON AND DIRECT PHOTON MEASUREMENTS WITH THE ALICE EXPERIMENT. In UKRAINIAN JOURNAL OF PHYSICS. ISSN 2071-0186, 2019, vol. 64, no. 7, p. 602-606., Registrované v: WOS
73. [1.1] KRIZEK, Filip. Event activity-dependence of jet production in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV measured with semi-inclusive hadron plus jet correlations by ALICE. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 321-324., Registrované v: WOS
74. [1.1] KRIZEK, F. - FERENCZI, J. - MATLOCHA, T. - POSPISIL, J. - PRIBELI, P. - RASKINA, V. - ISAKOV, A. - STURSA, J. - VANAT, T. - VYSOKA, K. Irradiation setup at the U-120M cyclotron facility. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED

EQUIPMENT. ISSN 0168-9002, 2018, vol. 894, pp. 87-95., Registrované v: WOS

75. [1.1] LAVICKA, R. Coherent J/psi photoproduction in ultra-peripheral Pb-Pb collisions with ALICE at the LHC. In 4TH INTERNATIONAL CONFERENCE ON PARTICLE PHYSICS AND ASTROPHYSICS (ICPPA-2018). ISSN 1742-6588, 2019, vol. 1390., Registrované v: WOS

76. [1.1] LEONCINO, Marco. Forward rapidity $\psi(2S)$ meson production in pp, p-Pb and Pb-Pb collisions with ALICE at the LHC. In HOT QUARKS 2014: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS. ISSN 1742-6588, 2015, vol. 612, art. no., Registrované v: WOS

77. [1.1] MARCHISONE, Massimiliano. Performance of a resistive plate chamber equipped with a new prototype of amplified front-end electronics in the ALICE detector. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP 2017. ISSN 1742-6588, 2017, vol. 889, art. no. UNSP 012011., Registrované v: WOS

78. [1.1] MATRI, Pierre - PEREZ, Maria S. - COSTAN, Alexandru - BOUGE, Luc - ANTONIU, Gabriel. Keeping up with storage: Decentralized, write-enabled dynamic geo-replication. In FUTURE GENERATION COMPUTER SYSTEMS-THE INTERNATIONAL JOURNAL OF ESCIENCE. ISSN 0167-739X, 2018, vol. 86, pp. 1093-1105., Registrované v: WOS

79. [1.1] MAZELIAUSKAS, A. - VISLAVICIUS, V. Temperature and fluid velocity on the freeze-out surface from π , K, and p spectra in pp, p-Pb, and Pb-Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, JAN 17 2020, vol. 101, no. 1., Registrované v: WOS

80. [1.1] MENINNO, E. Dilepton measurements with the ALICE experiment at the LHC. In 36TH WINTER WORKSHOP ON NUCLEAR DYNAMICS. ISSN 1742-6588, 2020, vol. 1602., Registrované v: WOS

81. [1.1] METZ, A. - VOSSEN, A. Parton fragmentation functions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 91, pp. 136-202., Registrované v: WOS

82. [1.1] MICHELETTI, L. $\psi(2S)$ production in p-Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2018, vol. 41, no. 3, art. no. 99., Registrované v: WOS

83. [1.1] MILANO, Leonardo. Identified charged hadron production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ALICE experiment at the LHC. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2015, vol. 130, no. 10, art. no. 193., Registrované v: WOS

84. [1.1] MOGLIACCI, S. - KOLBE, I. - HOROWITZ, W.A. Geometrically confined thermal field theory: Finite size corrections and phase transitions. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 23 2020, vol. 102, no. 11., Registrované v: WOS

85. [1.1] NAIK, B. Measurement of azimuthal correlations of D mesons with charged particles in pp collisions at $\sqrt{s} = 13$ TeV with ALICE at the LHC. In MESON 2018 - 15TH INTERNATIONAL WORKSHOP ON MESON PHYSICS. ISSN 2100-014X, 2019, vol. 199., Registrované v: WOS

86. [1.1] NISATI, A. - TONELLI, G. The discovery of the Higgs boson at the Large Hadron Collider. In RIVISTA DEL NUOVO CIMENTO. ISSN 0393-697X, 2015, vol. 38, no. 11, pp. 507-573., Registrované v: WOS

87. [1.1] PALNI, P. MULTIPLICITY DEPENDENCE OF STRANGENESS AND CHARGED PARTICLE PRODUCTION IN PROTON-PROTON COLLISIONS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, JUN 2019, vol. 50, no. 6, p. 1185-1190., Registrované v: WOS
88. [1.1] PALNI, P. - KHUNTIA, A. - BARTALINI, P. Evolution of strange and multi-strange hadron production with relative transverse multiplicity activity in underlying event. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 6 2020, vol. 80, no. 10., Registrované v: WOS
89. [1.1] PAL, Kausik. Possible ferromagnetism of dense quark matter. In CANADIAN JOURNAL OF PHYSICS. ISSN 0008-4204, 2018, vol. 96, no. 11, pp. 1163-1172., Registrované v: WOS
90. [1.1] PATTON, H. - NACHMAN, B. The optimal use of silicon pixel charge information for particle identification. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, JAN 1 2019, vol. 913, p. 91-96., Registrované v: WOS
91. [1.1] PINFOLD, J. L. The MoEDAL Experiment at the LHC a New Light on the Terascale Frontier. In 4TH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES (DISCRETE2014). ISSN 1742-6588, 2015, vol. 631, art. no. 012014., Registrované v: WOS
92. [1.1] PROSPERI, Laurent - COSTAN, Alexandru - SILVA, Pedro - ANTONIU, Gabriel. Planner: Cost-efficient Execution Plans Placement for Uniform Stream Analytics on Edge and Cloud. In PROCEEDINGS OF WORKS 2018: 13TH IEEE/ACM WORKSHOP ON WORKFLOWS IN SUPPORT OF LARGE-SCALE SCIENCE (WORKS), 2018, pp. 42-51., Registrované v: WOS
93. [1.1] RABBERTZ, Klaus. Jet Measurement. In JET PHYSICS AT THE LHC: THE STRONG FORCE BEYOND THE TEV SCALE. ISSN 0081-3869, 2017, vol. 268, pp. 61-110., Registrované v: WOS
94. [1.1] RASKINA, V. - KRIZEK, F. Characterization of Highly Irradiated ALPIDE Silicon Sensors. In UNIVERSE. ISSN 2218-1997, APR 2019, vol. 5, no. 4., Registrované v: WOS
95. [1.1] REICHEL, Patrick. Low-Mass Dielectron Production in pp, p-Pb and Pb-Pb Collisions with ALICE. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 433-436., Registrované v: WOS
96. [1.1] RUSTAMOV, Anar. Net-baryon fluctuations measured with ALICE at the CERN LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 453-456., Registrované v: WOS
97. [1.1] SAHOO, Sarita. Resonance Measurements in p-Pb Collisions at $\sqrt{s(NN)}=5.02$ TeV with ALICE. In XXII DAE HIGH ENERGY PHYSICS SYMPOSIUM. ISSN 0930-8989, 2018, vol. 203, pp. 741-743., Registrované v: WOS
98. [1.1] SAVCHENKO, A. A. - TISHCHENKO, A. A. - SHULGA, E. A. - ROMANIOUK, A. S. - SMIRNOV, Yu. S. - STRIKHANOV, M. N. X-Ray Transition Radiation from a Polypropylene Radiator: Experiment and Geant4. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2018, vol. 81, no. 11, pp. 1618-1621., Registrované v: WOS
99. [1.1] SAVCHENKO, A.A. - SERGEEVA, D.Y. - TISHCHENKO, A.A. - STRIKHANOV, M.N. Small-angle x-ray transition radiation from multilayered structures. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 25 2019, vol. 99, no. 1., Registrované v: WOS

100. [1.1] SAVCHENKO, A.A. - TISHCHENKO, A.A. - SERGEEVA, D.Y. - BELYAEV, N. - CHERRY, M. - DACHS, F. - DORONIN, S. - FILIPPOV, K. - FUSCO, P. - GARGANO, F. - KONOVALOV, S. - LOPARCO, F. - MASCAGNA, V. - MAZZIOTTA, M.N. - NECHAEVA, S. - PONOMARENKO, D. - ROMANIOUK, A. - SCHIOPPA, E.J. - SMIRNOV, S. - SMIRNOV, Y. - SOLDANI, M. - SPINELLI, P. - STRIKHANOV, M.N. - TETERIN, P. - TIKHOMIROV, V.O. - VOROBEOV, K. - ZHUKOV, K. Fine structure of angular distribution of x-ray transition radiation from multilayered radiator in Geant4. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, JUN 2020, vol. 15, no. 6., Registrované v: WOS
101. [1.1] SEIDEL, S. Silicon strip and pixel detectors for particle physics experiments. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, OCT 3 2019, vol. 828, p. 1-34., Registrované v: WOS
102. [1.1] SERBANESCU, Vlad - POP, Florin - CRISTEA, Valentin - ANTONIU, Gabriel. A formal method for rule analysis and validation in distributed data aggregation service. In WORLD WIDE WEB-INTERNET AND WEB INFORMATION SYSTEMS. ISSN 1386-145X, 2015, vol. 18, no. 6, pp. 1717-1736., Registrované v: WOS
103. [1.1] SHEIKH, A.I. Measurements of heavy-flavor jets with ALICE at the LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, JAN-MAR 2020, vol. 309, p. 174-180., Registrované v: WOS
104. [1.1] SIKLER, Ferenc. A combination of analysis techniques for efficient track reconstruction of high multiplicity events in silicon detectors. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 6, art. no. 113., Registrované v: WOS
105. [1.1] SIKLER, Ferenc. Combination of various data analysis techniques for efficient track reconstruction in very high multiplicity events. In CONNECTING THE DOTS/INTELLIGENT TRACKERS 2017 (CTD/WIT 2017). ISSN 2100-014X, 2017, vol. 150, art. no. UNSP 00011., Registrované v: WOS
106. [1.1] SINGH, J. - NAGU, S. - SINGH, J. - SINGH, R.B. Quantifying multinucleon effect in Argon using high-pressure TPC. In NUCLEAR PHYSICS B. ISSN 0550-3213, AUG 2020, vol. 957., Registrované v: WOS
107. [1.1] SULTANOV, Rishat. Jet measurements by ALICE at LHC. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2015, vol. 78, no. 14, pp. 1587-1590., Registrované v: WOS
108. [1.1] SUMOWIDAGDO, Suharyo. Experimental study of matter under the influence non-abelian gauge theory. In CONFERENCE ON THEORETICAL PHYSICS AND NONLINEAR PHENOMENA 2016. ISSN 1742-6588, 2017, vol. 856, art. no. UNSP 012002., Registrované v: WOS
109. [1.1] SUN, Yifeng - KO, Che Ming - LI, Feng. Anomalous transport model study of chiral magnetic effects in heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 4, art. no. 045204., Registrované v: WOS
110. [1.1] SUN, Y.F. - PLUMARI, S. - GRECO, V. Study of collective anisotropies $v(2)$ and $v(3)$ and their fluctuations in pA collisions at LHC within a relativistic transport approach. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 10 2020, vol. 80, no. 1., Registrované v: WOS
111. [1.1] TALEBI, Nahid. Schrodinger electrons interacting with optical

gratings: quantum mechanical study of the inverse Smith-Purcell effect. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2016, vol. 18, art. no. 123006., Registrované v: WOS

112. [1.1] TAMBAVE, Ganesh - VELURE, Arild. Qualification of the ALICE SAMPA ASIC With a High-Speed Continuous DAQ System. In IEEE TRANSACTIONS ON NUCLEAR SCIENCE. ISSN 0018-9499, 2017, vol. 64, no. 6, pp. 1461-1466., Registrované v: WOS

113. [1.1] TANGWANCHAROEN, S. - LYNCH, W. G. - BARNEY, J. - ESTEE, J. - SHANE, R. - TSANG, M. B. - ZHANG, Y. - ISOBE, T. - KURATA-NISHIMURA, M. - MURAKAMI, T. - XIAO, Z. G. - ZHANG, Y. F. A gating grid driver for time projection chambers. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2017, vol. 853, pp. 44-52., Registrované v: WOS

114. [1.1] TANNENBAUM, M. J. Highlights from BNL and RHIC 2015. In FUTURE OF OUR PHYSICS INCLUDING NEW FRONTIERS, 2017, vol. 53., Registrované v: WOS

115. [1.1] TANNENBAUM, M. J. How hadron collider experiments contributed to the development of QCD: from hard-scattering to the perfect liquid. In EUROPEAN PHYSICAL JOURNAL H. ISSN 2102-6459, 2018, vol. 43, no. 2, pp. 119-183., Registrované v: WOS

116. [1.1] TERLIZZI, L. The ALICE Muon IDentifier (MID). In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, OCT 2020, vol. 15, no. 10., Registrované v: WOS

117. [1.1] TIMMINS, Anthony. Highlights of experimental results from ALICE. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 43-50., Registrované v: WOS

118. [1.1] TKACIK, M. - JADLOVSKY, J. - JADLOVSKA, S. - KOSKA, L. - JADLOVSKA, A. - DONADONI, M. FRED-Flexible Framework for Frontend Electronics Control in ALICE Experiment at CERN. In PROCESSES. MAY 2020, vol. 8, no. 5., Registrované v: WOS

119. [1.1] TRZCINSKI, T. - GRACZYKOWSKI, L. - GLINKA, M. Using Random Forest Classifier for Particle Identification in the ALICE Experiment. In INFORMATION TECHNOLOGY, SYSTEMS RESEARCH, AND COMPUTATIONAL PHYSICS. ISSN 2194-5357, 2020, vol. 945, p. 3-17., Registrované v: WOS

120. [1.1] TSUKERMAN, I.I. Study of the Standard Model Higgs Boson in the ATLAS and CMS Experiments at the LHC. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, MAR 2020, vol. 83, no. 2, p. 219-227., Registrované v: WOS

121. [1.1] TURILLI, Matteo - SANTCROOS, Mark - JHA, Shantenu. A Comprehensive Perspective on Pilot-Job Systems. In ACM COMPUTING SURVEYS. ISSN 0360-0300, 2018, vol. 51, no. 2, art. no. 43., Registrované v: WOS

122. [1.1] VASILEIOU, M. Measurement of the Hadronic Resonance Production with ALICE at the CERN LHC. In UNIVERSE. ISSN 2218-1997, JAN 2019, vol. 5, no. 1., Registrované v: WOS

123. [1.1] VASILIU, Laura - POP, Florin - NEGRU, Catalin - MOCANU, Mariana - CRISTEA, Valentin - KOLODZIEJ, Joanna. A HYBRID

SCHEDULER FOR MANY TASK COMPUTING IN BIG DATA SYSTEMS.
In INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS AND
COMPUTER SCIENCE. ISSN 1641-876X, 2017, vol. 27, no. 2, pp. 385-399.,
Registrované v: WOS

124. [1.1] WAKAYAMA, M. - BORNIAKOV, V.G. - BOYDA, D.L. -
GOY, V.A. - IIDA, H. - MOLOCHKOV, A.V. - NAKAMURA, A. -
ZAKHAROV, V.I. Lee-Yang zeros in lattice QCD for searching phase transition
points. In PHYSICS LETTERS B. ISSN 0370-2693, JUN 10 2019, vol. 793, p.
227-233., Registrované v: WOS

125. [1.1] WERMES, N. Depleted CMOS pixels for LHC proton-proton
experiments. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS
RESEARCH SECTION A-ACCELERATORS SPECTROMETERS
DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2016, vol.
824, pp. 483-486., Registrované v: WOS

126. [1.1] WERMES, N. From hybrid to CMOS pixels ... a possibility for
LHC's pixel future? In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221,
2015, vol. 10, art. no. C12023., Registrované v: WOS

127. [1.1] WIGMANS, Richard. New developments in calorimetric
particle detection Richard Wigmans. In PROGRESS IN PARTICLE AND
NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 103, pp. 109-161.,
Registrované v: WOS

128. [1.1] YANG, Ji-Chong - YANG, Mao-Zhi. Effect of the charged
Higgs bosons in the radiative leptonic decays of B- and D- mesons. In MODERN
PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 3, art. no. 1650012.,
Registrované v: WOS

129. [1.1] YANG, Ji-Chong - YANG, Mao-Zhi. Factorization of radiative
leptonic decays of B- and D- mesons including the soft photon region. In
NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 914, pp. 301-345.,
Registrované v: WOS

130. [1.1] ZHOU, You. Measurements of correlations of anisotropic flow
harmonics in Pb-Pb Collisions with ALICE. In NUCLEAR PHYSICS A. ISSN
0375-9474, 2016, vol. 956, pp. 296-299., Registrované v: WOS

131. [1.1] ZHU, J. - YOU, Z. - ZHANG, Y. - LI, Z. - ZHANG, S. - LIN, T.
- LI, W. A method of detector and event visualization with Unity in JUNO. In
JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, JAN 2019, vol. 14.,
Registrované v: WOS

ADCA1202 ACHARYA, S. - ADAM, J. - ADAMOVIĆ, D. - ADLER, C. -
ADOLFSSON, J. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián -
MUŠINSKÝ, Ján - VALA, Martin. The ALICE Transition Radiation Detector:
Construction, operation, and performance. In *Nuclear Instruments and Methods in
Physics Research A. Accelerators, Spectrometers, Detectors and Associated
Equipment*, 2018, vol. 881, p. 88-127. (2017: 1.336 - IF, Q2 - JCR, 0.814 - SJR, Q1
- SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN
0168-9002. Dostupné na: <https://doi.org/10.1016/j.nima.2017.09.028>

Ohlasy:

1. [1.1] BARBOSA, F. - FENKER, H. - FURLETOV, S. -
FURLETOVAN, Y. - GNANVO, K. - LIYANAGE, N. - PENTCHEV, L. -
POSIK, M. - STANISLAV, C. - SURROW, B. - ZIHLMANN, B. A new
Transition Radiation detector based on GEM technology. In NUCLEAR

INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION
A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED
EQUIPMENT. ISSN 0168-9002, 2019, vol. 942, art. no. 162356., Registrované
v: WOS

2. [1.1] HUANG, B. - LIU, H.B. - HUANG, X.F. - XU, M. - DONG,
Y.W. - WEI, X.T. - LIU, X.W. - FENG, H.B. - YANG, Q.H. - GU, J.Y. - CHEN,
S. - XIE, X.C. - ZHANG, J. - HUANG, Y.B. - LIANG, E.W. Side-On transition
radiation detector: A detector prototype for TeV energy scale calibration of
calorimeters in space. In NUCLEAR INSTRUMENTS & METHODS IN
PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS
DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, MAY 11
2020, vol. 962., Registrované v: WOS

3. [1.1] SINGH, A.G. - BERNARD, E.P. - BIEKERT, A. - BOULTON,
E.M. - CAHN, S.B. - DESTEFANO, N. - EDWARDS, B.N.V. - GAI, M. -
HORN, M. - LARSEN, N. - RIFFARD, Q. - TENNYSON, B. - VELAN, V. -
WAHL, C. - MCKINSEY, D.N. Analysis of Kr-83m prompt scintillation signals
in the PIXeY detector. In JOURNAL OF INSTRUMENTATION. ISSN
1748-0221, JAN 2020, vol. 15, no. 1., Registrované v: WOS

ADCA1203 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef
- KLADIVA, Eduard - STRÍŽENEC, Pavol. The ATLAS Inner Detector
commissioning and calibration. In *European Physical Journal C*, 2010, vol. 70, no.
3, p. 787-821. (2009: 2.746 - IF, Q2 - JCR, 1.859 - SJR, Q1 - SJR, Current Contents
- CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na:
<https://doi.org/10.1140/epjc/s10052-010-1366-7>

Ohlasy:

1. [1.1] BRENDLINGER, Kurt. Alignment of the TRT. In PHYSICS
WITH ELECTRONS IN THE ATLAS DETECTOR. ISSN 2190-5053, 2018, pp.
33-51., Registrované v: WOS

2. [1.1] HAGIWARA, Kaoru - MA, Kai - MORI, Shingo. Probing CP
Violation in $h \rightarrow \tau(-) \tau(+)$ at the LHC. In PHYSICAL REVIEW LETTERS.
ISSN 0031-9007, 2017, vol. 118, no. 17, art. no. 171802., Registrované v: WOS

3. [1.1] CHENG, Yangyang. The ATLAS Experiment at the Large
Hadron Collider. In SEARCH FOR DARK MATTER PRODUCED IN
ASSOCIATION WITH A HIGGS BOSON DECAYING TO TWO BOTTOM
QUARKS AT ATLAS. ISSN 2190-5053, 2017, pp. 25-39., Registrované v: WOS

4. [1.1] KROLL, I. Joseph. Detector Alignment. In ROAD TO
DISCOVERY: DETECTOR ALIGNMENT, ELECTRON IDENTIFICATION,
PARTICLE MISIDENTIFICATION, WW PHYSICS, AND THE DISCOVERY
OF THE HIGGS BOSON. ISSN 2190-5053, 2015, pp. 37-62., Registrované v:
WOS

5. [1.1] KROLL, I. Joseph. The ATLAS Experiment. In ROAD TO
DISCOVERY: DETECTOR ALIGNMENT, ELECTRON IDENTIFICATION,
PARTICLE MISIDENTIFICATION, WW PHYSICS, AND THE DISCOVERY
OF THE HIGGS BOSON. ISSN 2190-5053, 2015, pp. 15-23., Registrované v:
WOS

6. [1.1] KROLL, I. Joseph. TRT Alignment. In ROAD TO
DISCOVERY: DETECTOR ALIGNMENT, ELECTRON IDENTIFICATION,
PARTICLE MISIDENTIFICATION, WW PHYSICS, AND THE DISCOVERY
OF THE HIGGS BOSON. ISSN 2190-5053, 2015, pp. 63-100., Registrované v:

WOS

7. [1.1] MAZNAS, Ioannis. FTK: The hardware Fast TracKer of the ATLAS experiment at CERN. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. 12001., Registrované v: WOS
8. [1.1] MORA, Y. - HOU, W. - GEORGIEV, V. Characterization of a newly developed readout electronics system for strip detectors. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, MAR 2020, vol. 15, no. 3., Registrované v: WOS
9. [1.1] OBLAKOWSKA-MUCHA, A. Radiation Hard Silicon Particle Detectors for Phase-II LHC Trackers. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2017, vol. 12, art. no. C02054., Registrované v: WOS
10. [1.1] SIERRA, Yesid Mora - GEORGIEV, Vjaceslav. Readout Interface for Strip Detectors with Spectrometry Applications. In 2016 21ST INTERNATIONAL CONFERENCE ON APPLIED ELECTRONICS (AE). ISSN 1803-7232, 2016, pp. 223-226., Registrované v: WOS

ADCA1204 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - STRÍŽENEC, Pavol. The ATLAS Simulation Infrastructure. In *European Physical Journal C*, 2010, vol. 70, no. 3, p. 823-874. (2009: 2.746 - IF, Q2 - JCR, 1.859 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-010-1429-9>

Ohlasy:

1. [1.1] ALLAIRE, C. A High-Granularity Timing Detector in ATLAS: Performance at the HL-LHC. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, APR 21 2019, vol. 924, p. 355-359., Registrované v: WOS
2. [1.1] BORISYAK, M. - GAINTESEVA, T. - USTYUZHANIN, A. Adaptive divergence for rapid adversarial optimization. In PEERJ COMPUTER SCIENCE. ISSN 2376-5992, MAY 18 2020., Registrované v: WOS
3. [1.1] BOYE, D. - MAPEKULA, X. Search for a Higgs boson decaying through $Z(\gamma)$ to 4 leptons. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2018). ISSN 1742-6588, 2019, vol. 1271., Registrované v: WOS
4. [1.1] CHENG, Yangyang. Dark Matter plus Higgs($\rightarrow b\bar{b}$): Physics Objects. In SEARCH FOR DARK MATTER PRODUCED IN ASSOCIATION WITH A HIGGS BOSON DECAYING TO TWO BOTTOM QUARKS AT ATLAS. ISSN 2190-5053, 2017, pp. 67-83., Registrované v: WOS
5. [1.1] KROLL, I. Joseph. Detector Alignment. In ROAD TO DISCOVERY: DETECTOR ALIGNMENT, ELECTRON IDENTIFICATION, PARTICLE MISIDENTIFICATION, WW PHYSICS, AND THE DISCOVERY OF THE HIGGS BOSON. ISSN 2190-5053, 2015, pp. 37-62., Registrované v: WOS
6. [1.1] MAHAJAN, Shubhangi - PATHARKAR, Abhimanyu - KUCHE, Kaushik - MAHESHWARI, Rahul - DEB, Pran Kishore - KALIA, Kiran - TEKADE, Rakesh K. Functionalized carbon nanotubes as emerging delivery system for the treatment of cancer. In INTERNATIONAL JOURNAL OF PHARMACEUTICS. ISSN 0378-5173, 2018, vol. 548, no. 1, pp. 540-558.,

Registrované v: WOS

7. [1.1] MACHADO, C. - SELITTO, M. A. - MORANDI, M. I. W. SYSTEMIC DYNAMICS AND LEARNING SCENARIOS FOR PROCESS IMPROVEMENT AND REGIONAL RESILIENCE: A STUDY IN THE FOOTWEAR INDUSTRY OF SOUTHERN BRAZIL. In 24TH INTERNATIONAL CONFERENCE ON PRODUCTION RESEARCH (ICPR). ISSN 2475-885X, 2017, pp. 666-671., Registrované v: WOS
8. [1.1] MACHADO, C.P. - MORANDI, M.I.W. - SELITTO, M. System Dynamics and Learning Scenarios for Process Improvement and Regional Resilience: A Study in The Footwear Industry of Southern Brazil. In SYSTEMIC PRACTICE AND ACTION RESEARCH. ISSN 1094-429X, DEC 2019, vol. 32, no. 6, p. 663-686., Registrované v: WOS
9. [1.1] PAGANINI, Michela - DE OLIVEIRA, Luke - NACHMAN, Benjamin. CALOGAN: Simulating 3D high energy particle showers in multilayer electromagnetic calorimeters with generative adversarial networks. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, art. no. 014021., Registrované v: WOS
10. [1.1] PAGANINI, Michela - DE OLIVEIRA, Luke - NACHMAN, Benjamin. Accelerating Science with Generative Adversarial Networks: An Application to 3D Particle Showers in Multilayer Calorimeters. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 4, art. no. 042003., Registrované v: WOS
11. [1.1] SAVCHENKO, A.A. - SERGEEVA, D.Y. - TISHCHENKO, A.A. - STRIKHANOV, M.N. Small-angle x-ray transition radiation from multilayered structures. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 25 2019, vol. 99, no. 1., Registrované v: WOS
12. [1.1] SHARMAZANASHVILI, A. - TSUTSKIRIDZE, Niko. Simulation Loop Between Cad Systems, GEANT-4 and GeoModel: Implementation and Results. In PHYSICS OF PARTICLES AND NUCLEI LETTERS. ISSN 1547-4771, 2016, vol. 13, no. 5, pp. 724-727., Registrované v: WOS
13. [1.1] The ATLAS Experiment. In SEARCHING FOR DARK MATTER WITH THE ATLAS DETECTOR. ISSN 2190-5053, 2017, pp. 27-54., Registrované v: WOS
14. [1.1] The Large Hadron Collider and the ATLAS Experiment. In HIGH JET MULTIPLICITY PHYSICS AT THE LHC. ISSN 2190-5053, 2016, pp. 25-42., Registrované v: WOS
15. [1.1] TSISKARIDZE, Shota. Event Simulation. In SEARCH FOR FLAVOR-CHANGING NEUTRAL CURRENT TOP QUARK DECAYS T HQ, WITH H BB, IN PP COLLISIONS AT S = 8 TEV WITH THE ATLAS DETECTOR. ISSN 2190-5053, 2017, pp. 59-71., Registrované v: WOS
16. [1.1] TSISKARIDZE, Shota. Event Samples and Preselection. In SEARCH FOR FLAVOR-CHANGING NEUTRAL CURRENT TOP QUARK DECAYS T HQ, WITH H BB, IN PP COLLISIONS AT S = 8 TEV WITH THE ATLAS DETECTOR. ISSN 2190-5053, 2017, pp. 103-124., Registrované v: WOS
17. [1.1] UTTEKAR, P.S. - LAKADE, S.H. - BELDAR, V.K. - HARDE, M.T. Facile synthesis of multi-walled carbon nanotube via folic acid grafted nanoparticle for precise delivery of doxorubicin. In IET

ADCA1205 ADAMS, J.H. Jr. - AHMAD, Salleh - ALBERT, J.N. - ALLARD, D. - ANCHORDOQUI, L. - BOBÍK, Pavol - KUDELA, Karel - PASTIRČÁK, Blahoslav - PUTIŠ, Marián. The atmospheric monitoring system of the JEM-EUSO instrument. In *Experimental Astronomy*, 2015, vol. 40, p. 45-60. (2014: 1.990 - IF, Q2 - JCR, 1.130 - SJR, Q2 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0922-6435. Dostupné na: <https://doi.org/10.1007/s10686-014-9378-1>

Ohlasy:

1. [1.1] BOZZO, Enrico - BURCH, Thomas - CIAPPONI, Alessandra - HEESE, Clemens - HOOGERWERF, Arno - LAN, Nicholas - NERONOV, Andrii - REVOL, Vincent - STANLEY, Ross. LIC and LID considerations in the design and implementation of the MEMS laser pointing mechanism for the EUSO UV laser altimeter. In *PACIFIC RIM LASER DAMAGE 2016 OPTICAL MATERIALS FOR HIGH-POWER LASERS*. ISSN 0277-786X, 2016, vol. 9983, art. no. UNSP 998315., Registrované v: WOS

ADCA1206 AAD, G. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. The differential production cross section of the $\phi(1020)$ meson in $\sqrt{s}=7$ TeV pp collisions measured with the ATLAS detector. In *European Physical Journal C*, 2014, vol. 74, no. 7, art. no. 2895. (2013: 5.436 - IF, Q1 - JCR, 2.323 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1434-6044.

Ohlasy:

1. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In *MULTIPLE PARTON INTERACTIONS AT THE LHC*. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS

2. [1.1] NASIM, Md. - BAIRATHI, Vipul - SHARMA, Mukesh Kumar - MOHANTY, Bedangadas - BHASIN, Anju. A Review on ϕ Meson Production in Heavy-Ion Collision. In *ADVANCES IN HIGH ENERGY PHYSICS*. ISSN 1687-7357, 2015, art. no. 197930., Registrované v: WOS

ADCA1207 ADAMS, J.H. Jr. - AHMAD, Salleh - ALBERT, J.N. - ALLARD, D. - ANCHORDOQUI, L. - BOBÍK, Pavol - KUDELA, Karel - PASTIRČÁK, Blahoslav - PUTIŠ, Marián. The EUSO-Balloon pathfinder. In *Experimental Astronomy*, 2015, vol. 40, no. 1, p. 281-299. (2014: 1.990 - IF, Q2 - JCR, 1.130 - SJR, Q2 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0922-6435. Dostupné na: <https://doi.org/10.1007/s10686-015-9467-9>

Ohlasy:

1. [1.1] ANTONOV, R. A. - BONVECH, E. A. - CHERNOV, D. V. - DZHATDOEV, T. A. - GALKIN, V. I. - PODGRUDKOV, D. A. - ROGANOVA, T. M. Spatial and temporal structure of EAS reflected Cherenkov light signal. In *ASTROPARTICLE PHYSICS*. ISSN 0927-6505, 2019, vol. 108, pp. 24-39., Registrované v: WOS

2. [1.1] BOEZIO, Mirko - MUNINI, Riccardo - PICOZZA, Piergiorgio. Cosmic ray detection in space. In *PROGRESS IN PARTICLE AND NUCLEAR*

PHYSICS. ISSN 0146-6410, 2020, vol. 112., Registrované v: WOS
 3. [1.1] MANDAT, D. - PALATKA, M. - PECH, M. - SCHOVANEK, P. - TRAVNICEK, P. - NOZKA, L. - HRABOVSKY, M. - HORVATH, P. - FUJII, T. - PRIVITERA, P. - MALACARI, M. - FARMER, J. - GALIMOVA, A. - MATALON, A. - MEROLLE, M. - NI, X. - BELLIDO, J. A. - MATTHEWS, J. N. - THOMAS, S. B. The prototype opto-mechanical system for the Fluorescence detector Array of Single-pixel Telescopes. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2017, vol. 12., Registrované v: WOS
 4. [1.2] PLEBANIAK, Z. - SZABELSKI, J. - PRZYBYLAK, M. - PIOTROWSKI, L. W. - DJAKONOW, A. - KRÓLIK, K. Calibration of the EUSO-TA detector with stars. In Proceedings of Science, 2019-01-01, 358., Registrované v: SCOPUS

ADCA1208 ABT, I. - BÁN, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - GAŽO, Emil - KRIVÁŇ, František - KURČA, Tibor - MURÍN, Pavol - SEMAN, Michal - ŠPALEK, Jozef - ŠTEFAN, Pavol. The H1 detector at HERA. In *Nuclear Instruments and Methods in Physics Research A. Accelerators, Spectrometers, Detectors and Associated Equipment*, 1997, vol. 386, no. 2-3, p. 310-347. (1996: 1.038 - IF, Current Contents - CCC). (1997 - Current Contents, SCOPUS). ISSN 0168-9002. Dostupné na: [https://doi.org/10.1016/S0168-9002\(96\)00893-5](https://doi.org/10.1016/S0168-9002(96)00893-5)
 Ohlasy:
 1. [1.1] BEHNKE, O. - GEISER, A. - LISOVYI, M. Charm, beauty and top at HERA. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2015, vol. 84, pp. 1-72., Registrované v: WOS

ADCA1209 ADAMS, J.H. Jr. - AHMAD, Salleh - ALBERT, J.N. - ALLARD, D. - ANCHORDOQUI, L. - BOBÍK, Pavol - KUDELA, Karel - PASTIRČÁK, Blahoslav - PUTIŠ, Marián. The infrared camera onboard JEM-EUSO. In *Experimental Astronomy*, 2015, vol. 40, no. 1, p. 61-89. (2014: 1.990 - IF, Q2 - JCR, 1.130 - SJR, Q2 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0922-6435. Dostupné na: <https://doi.org/10.1007/s10686-014-9402-5>
 Ohlasy:
 1. [1.1] BOZZO, Enrico - BURCH, Thomas - CIAPPONI, Alessandra - HEESE, Clemens - HOOGERWERF, Arno - LAN, Nicholas - NERONOV, Andrii - REVOL, Vincent - STANLEY, Ross. LIC and LID considerations in the design and implementation of the MEMS laser pointing mechanism for the EUSO UV laser altimeter. In PACIFIC RIM LASER DAMAGE 2016 OPTICAL MATERIALS FOR HIGH-POWER LASERS. ISSN 0277-786X, 2016, vol. 9983, art. no. UNSP 998315., Registrované v: WOS

ADCA1210 ADAMS, J.H. Jr. - AHMAD, Salleh - ALBERT, J.N. - ALLARD, D. - ANCHORDOQUI, L. - BOBÍK, Pavol - KUDELA, Karel - PASTIRČÁK, Blahoslav - PUTIŠ, Marián. The JEM-EUSO mission: An introduction. In *Experimental Astronomy*, 2015, vol. 40, no. 1, p. 3-17. (2014: 1.990 - IF, Q2 - JCR, 1.130 - SJR, Q2 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0922-6435. Dostupné na: <https://doi.org/10.1007/s10686-015-9482-x>
 Ohlasy:
 1. [1.1] ANTONOV, R. A. - BONVECH, E. A. - CHERNOV, D. V. -

- DZHATDOEV, T. A. - GALKIN, V. I. - PODGRUDKOV, D. A. -
ROGANOVA, T. M. Spatial and temporal structure of EAS reflected Cherenkov
light signal. In ASTROPARTICLE PHYSICS. ISSN 0927-6505, 2019, vol. 108,
pp. 24-39., Registrované v: WOS
2. [1.1] BATISTA, Rafael Alves - BITEAU, Jonathan -
BUSTAMANTE, Mauricio - DOLAG, Klaus - ENGEL, Ralph - FANG, Ke -
KAMPERT, Karl-Heinz - KOSTUNIN, Dmitriy - MOSTAFA, Miguel -
MURASE, Kohta - OIKONOMOU, Foteini - OLINTO, Angela - PANASYUK,
Mikhail - SIGL, Guenter - TAYLOR, Andrew M. - UNGER, Michael. Open
Questions in Cosmic-Ray Research at Ultrahigh Energies. In FRONTIERS IN
ASTRONOMY AND SPACE SCIENCES. ISSN 2296-987X, 2019, vol. 6.,
Registrované v: WOS
3. [1.1] BOZZO, Enrico - BURCH, Thomas - CIAPPONI, Alessandra -
HEESE, Clemens - HOOGERWERF, Arno - LAN, Nicholas - NERONOV,
Andrii - REVOL, Vincent - STANLEY, Ross. LIC and LID considerations in the
design and implementation of the MEMS laser pointing mechanism for the
EUSO UV laser altimeter. In PACIFIC RIM LASER DAMAGE 2016 OPTICAL
MATERIALS FOR HIGH-POWER LASERS. ISSN 0277-786X, 2016, vol.
9983, art. no. UNSP 998315., Registrované v: WOS
4. [1.1] DA DEPPO, Vania - SANDRI, Paolo - MAZZINGHI, Piero -
MARCHI, Alessandro Zuccaro. A lightweight Schmidt space telescope
configuration for ultra-high energy cosmic ray detection. In INTERNATIONAL
CONFERENCE ON SPACE OPTICS-ICSO 2018. ISSN 0277-786X, 2018, vol.
11180., Registrované v: WOS
5. [1.1] HOMOLA, Piotr - BEZNOSKO, Dmitriy - BHATTA, Gopal -
BIBRZYCKI, Lukasz - BORCZYNSKA, Michalina - BRATEK, Lukasz -
BUDNEV, Nikolay - BURAKOWSKI, Dariusz - ALVAREZ-CASTILLO, David
E. - ALMEIDA CHEMINANT, Kevin - CWIKLA, Aleksander - DAM-O,
Punsiri - DHITAL, Niraj - DUFFY, Alan R. - GLOWNIA, Piotr -
GORZKIEWICZ, Krzysztof - GORA, Dariusz - GUPTA, Alok C. -
HLAVKOVA, Zuzana - HOMOLA, Martin - JALOCHA, Joanna - KAMINSKI,
Robert - KARBOWIAK, Michal - KASZTELAN, Marcin - KIEREPKO, Renata
- KNAP, Marek - KOVACS, Peter - KULINSKI, Szymon - LOZOWSKI,
Bartosz - MAGRYS, Marek - MEDVEDEV, Mikhail V. - MEDRALA, Justyna -
MIETELSKI, Jerzy W. - MISZCZYK, Justyna - MOZGOVA, Alona -
NAPOLITANO, Antonio - NAZARI, Vahab - NG, Y. Jack - NIEDZWIECKI,
Michal - OANCEA, Cristina - OGAN, Boguslaw - OPILA, Gabriela -
OZIOMEK, Krzysztof - PAWLIK, Maciej - PIEKARCZYK, Marcin -
PONCYLJUSZ, Boezna - PRYGA, Jerzy - ROSAS, Matias - RZECKI, Krzysztof
- ZAMORA-SAA, Jilberto - SMELCERZ, Katarzyna - SMOLEK, Karel -
STANEK, Weronika - STASIELAK, Jaroslaw - STUGLIK, Slawomir - SULMA,
Jolanta - SUSHCHOV, Oleksandr - SVANIDZE, Manana - TAM, Kyle M. -
TURSUNOV, Arman - VAQUERO, Jose M. - WIBIG, Tadeusz - WOZNIAK,
Krzysztof W. Cosmic-Ray Extremely Distributed Observatory. In
SYMMETRY-BASEL, 2020, vol. 12, no. 11., Registrované v: WOS
6. [1.1] LI, Siyang - SMOOT, George F. - GROSSAN, Bruce - LAU,
Albert Wai Kit - BEKBALANOVA, Marzhan - SHAFIEE, Mehdi -
STEZELBERGER, Thorsten. Program objectives and specifications for the
Ultra-Fast Astronomy observatory. In SPACE OPTICS, TELESCOPES, AND
INSTRUMENTATION (AOPC 2019). ISSN 0277-786X, 2019, vol. 11341.,

Registrované v: WOS

7. [1.1] NERONOV, A. - SEMIKOZ, D. Mapping large-scale diffuse gamma-ray emission in the 10-100 TeV band with Cherenkov telescopes. In *ASTRONOMY & ASTROPHYSICS*. ISSN 0004-6361, 2020, vol. 637.,

Registrované v: WOS

8. [1.1] SANDRI, Paolo - MAZZINGHI, Piero - DA DEPPO, Vania. Double Donut Schmidt Camera, a wide-field, large-aperture, and lightweight space telescope for the detection of ultrahigh energy cosmic rays. In *APPLIED OPTICS*. ISSN 1559-128X, 2018, vol. 57, no. 12, pp. 3078-3087., Registrované v: WOS

9. [1.2] FENU, Francesco. Results from the first missions of the JEM-EUSO program. In *Proceedings of Science*, 2019-01-01, 358., Registrované v: SCOPUS

ADCA1211 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABELOOS, B. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. The performance of the jet trigger for the ATLAS detector during 2011 data taking. In *European Physical Journal C*, 2016, vol. 76, no. 10, art. no. 526. (2015: 4.912 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-016-4325-0>

Ohlasy:

1. [1.1] KOMISKE, P.T. - MASTANDREA, R. - METHODIEV, E.M. - NAIK, P. - THALER, J. Exploring the space of jets with CMS open data. In *PHYSICAL REVIEW D*. ISSN 2470-0010, FEB 11 2020, vol. 101, no. 3., Registrované v: WOS

ADCA1212 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCÉI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Time-dependent angular analysis of the decay $B \rightarrow s(0) J/\psi \phi$ and extraction of $\Delta\Gamma$ and the CP-violating weak phase ϕ by ATLAS. In *Journal of High Energy Physics*, 2012, vol. 2012, no. 12, art. no. 072. (2011: 5.831 - IF, 1.902 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1029-8479.

Ohlasy:

1. [1.1] GERSHON, Timothy - NEEDHAM, Matthew. Heavy flavour physics at the LHC. In *COMPTES RENDUS PHYSIQUE*. ISSN 1631-0705, 2015, vol. 16, no. 4, pp. 435-447., Registrované v: WOS

ADCA1213 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Top Quark Mass Measurement in the lepton plus jets Channel Using a Matrix Element Method and in situ Jet Energy Calibration. In *Physical Review Letters*, 2010, vol. 105, no. 25, art. no. 252001. (2009: 7.328 - IF, 6.325 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.105.252001>

Ohlasy:

1. [1.1] BRANDT, O. - GUTIERREZ, G. - WANG, M. H. L. S. - YE, Z. Acceleration of matrix element computations for precision measurements. In *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND*

ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2015, vol. 775, pp. 27-33.,
Registrované v: WOS

ADCA1214 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. In *European Physical Journal C*, 2017, vol. 77, no. 7, art. no. 490. (2016: 5.297 - IF, Q1 - JCR, 1.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-017-5004-5>

Ohlasy:

1. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS

ADCA1215 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Top-quark mass measurement in events with jets and missing transverse energy using the full CDF data set. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2013, vol. 88, no. 1, art. no. R011101. (2012: 4.691 - IF, Q1 - JCR, 2.725 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.88.011101>

Ohlasy:

1. [1.1] BOOS, E. E. - BRANDT, O. E. - DENISOV, D. S. - DENISOV, S. P. - GRANNIS, P. D. The top quark (20 years after its discovery). In *PHYSICS-USPEKHI*. ISSN 1063-7869, 2015, vol. 58, no. 12, pp. 1133-1158., Registrované v: WOS

2. [1.1] DENISOV, Dmitri - VELLIDIS, Costas. The TOP QUARK, 20 years after its discovery. In *PHYSICS TODAY*. ISSN 0031-9228, 2015, vol. 68, no. 4, pp. 46-52., Registrované v: WOS

ADCA1216 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Top-quark mass measurement in the all-hadronic $t(\bar{t})$ over-bar decay channel at $\sqrt{s}=8$ TeV with the ATLAS detector. In *Journal of High Energy Physics*, 2017, no. 9, art. no. 118. (2016: 6.063 - IF, Q1 - JCR, 1.163 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP09\(2017\)118](https://doi.org/10.1007/JHEP09(2017)118)

Ohlasy:

1. [1.1] BROOKS, H. - SKANDS, P. Coherent showers in decays of colored resonances. In *PHYSICAL REVIEW D*. ISSN 2470-0010, OCT 11 2019, vol. 100, no. 7., Registrované v: WOS

2. [1.1] CORCELLA, G. The Top-Quark Mass: Challenges in Definition and Determination. In *FRONTIERS IN PHYSICS*. ISSN 2296-424X, APR 24 2019, vol. 7., Registrované v: WOS

ADCA1217 ANTINORI, F. - BOMBARA, Marek - KRÁLIK, Ivan - PASTIRČÁK, Blahoslav - ŠÁNDOR, Ladislav. Transverse dynamics of Pb-Pb collisions at 40 A GeV/c viewed by strange hadrons (NA57 Collaboration). In *Journal of Physics G: Nuclear and particle physics*, 2006, vol. 32, no. 11, p. 2065-2080. (2005: 2.173 - IF,

Q2 - JCR, 1.104 - SJR, Q2 - SJR, Current Contents - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 0954-3899.

Ohlasy:

1. [1.1] PARVAN, A.S. Scaled variables and the quark-hadron duality. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, JUL 27 2020, vol. 56, no. 7., Registrované v: WOS

ADCA1218 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABED ABUD, A. - ABELING, K. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Transverse momentum and process dependent azimuthal anisotropies in root S-NN=8.16 TeV p plus Pb collisions with the ATLAS detector. In *European Physical Journal C*, 2020, vol. 80, no. 1, art. no. 73. (2019: 4.389 - IF, Q1 - JCR, 1.763 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-020-7624-4>

Ohlasy:

1. [1.1] TANG, T.P. - ZHOU, H. - LIU, N. Probing single stop production at the FCC-hh/SPPC. In NUCLEAR PHYSICS B. ISSN 0550-3213, OCT 2020, vol. 959., Registrované v: WOS

ADCA1219 AALTONEN, T. - ANTOŠ, Jaroslav - LYSÁK, Roman. Transverse momentum cross section of $e^{+}e^{-}$ pairs in the Z-boson region from $p(p)$ over-bar collisions at root s=1.96 TeV. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2012, vol. 86, no. 5, art. no. 052010. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.86.052010>

Ohlasy:

1. [1.1] ANGELES-MARTINEZ, R. - BACCHETTA, A. - BALITSKY, I. I. - BOER, D. - BOGLIONE, M. - BOUSSARIE, R. - CECCOPIERI, F. A. - CHEREDNIKOV, I. O. - CONNOR, P. - ECHEVARRIA, M. G. - FERRERA, G. - LUYANDO, J. Grados - HAUTMANN, F. - JUNG, H. - KASEMETS, T. - KUTAK, K. - LANSBERG, J. P. - LELEK, A. - LYKASOV, G. - MARTINEZ, J. D. Madrigal - MULDER, P. J. - NOCERA, E. R. - PETRESKA, E. - PISANO, C. - PLACAKYTE, R. - RADESCU, V. - RADICI, M. - SCHNELL, G. - SCIMEMI, I. - SIGNORI, A. - SZYMANOWSKI, L. - MONFARED, S. Taheri - VAN DER VEKEN, F. F. - VAN HAEVERMAET, H. J. - VAN MECHELEN, P. - VLADIMIROV, A. A. - WALLON, S. TRANSVERSE MOMENTUM DEPENDENT (TMD) PARTON DISTRIBUTION FUNCTIONS: STATUS AND PROSPECTS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2015, vol. 46, no. 12, pp. 2501-2534., Registrované v: WOS
2. [1.1] PROKUDIN, Alexei - SUN, Peng - YUAN, Feng. Scheme dependence and transverse momentum distribution interpretation of Collins-Soper-Sterman resummation. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 750, pp. 533-538., Registrované v: WOS

ADCA1220 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Transverse momentum dependence of D-meson production in Pb-Pb collisions at root

S-NN=2.76 TeV. In *Journal of High Energy Physics*, 2016, vol. 2016, no. 3, art. no. 081. (2015: 6.023 - IF, Q1 - JCR, 1.343 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP03\(2016\)081](https://doi.org/10.1007/JHEP03(2016)081)

Ohlasy:

1. [1.1] BUCHHEIM, T. - HILGER, T. - KAEMPFER, B. - LEUPOLD, S. Chiral-partner D mesons in a heat bath within QCD sum rules. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 8, art. no. 085104., Registrované v: WOS
2. [1.1] DONG, Xin. Heavy Flavor Production, Energy Loss and Flow-Experimental Overview. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 192-199., Registrované v: WOS
3. [1.1] HELENIUS, Ilkka - PAUKKUNEN, Hannu. Revisiting the D-meson hadroproduction in general-mass variable flavour number scheme. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 196., Registrované v: WOS
4. [1.1] KELLY, Aoife - ROTHKOPF, Alexander - SKULLERUD, Jon-Ivar. Bayesian study of relativistic open and hidden charm in anisotropic lattice QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 114509., Registrované v: WOS
5. [1.1] KELLY, Aoife - SKULLERUD, Jon-Ivar. Thermal D mesons from anisotropic lattice QCD. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, art. no. UNSP 07025., Registrované v: WOS
6. [1.1] KOLBE, Isobel - HOROWITZ, W. A. Short-path-length corrections to Djordjevic-Gyulassy-Levai-Vitev energy loss. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2., Registrované v: WOS
7. [1.1] KOPELIOVICH, B. Z. - NEMCHIK, J. - POTASHNIKOVA, I. K. - SCHMIDT, Ivan. Novel scenario for production of heavy flavored mesons in heavy ion collisions. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 01018., Registrované v: WOS
8. [1.1] MA, Rongrong. Experimental summary for heavy flavor production. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. UNSP 012020., Registrované v: WOS
9. [1.1] SAMBATARO, M.L. - PLUMARI, S. - GRECO, V. Impact of off-shell dynamics on the transport properties and the dynamical evolution of charm quarks at RHIC and LHC temperatures. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, DEC 11 2020, vol. 80, no. 12., Registrované v: WOS
10. [1.1] SONG, Taesoo - AICHELIN, Joerg - BRATKOVSKAYA, Elena. Production of primordial J / psi in relativistic p plus p and heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 1, art. no. 014907., Registrované v: WOS
11. [1.1] SONG, Taesoo - BERREHRAH, Hamza. Hadronization time of heavy quarks in nuclear matter. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 3, art. no. 034901., Registrované v: WOS
12. [1.1] SONG, Taesoo - BERREHRAH, Hamza - TORRES-RINCON, Juan M. - TOLOS, Laura - CABRERA, Daniel - CASSING, Wolfgang -

BRATKOVSKAYA, Elena. Single electrons from heavy-flavor mesons in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 1, art. no. 014905., Registrované v: WOS

13. [1.1] SONG, Taesoo - CASSING, Wolfgang - MOREAU, Pierre - BRATKOVSKAYA, Elena. Open charm and dileptons from relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 6, art. no. 064907., Registrované v: WOS

14. [1.1] XU, Peng-Zhi - ZHANG, Wei-Ning. Squeezed back-to-back correlations of bosons with nonzero widths in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 1., Registrované v: WOS

ADCA1221 ABELEV, Betty - ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav. Transverse momentum dependence of inclusive primary charged-particle production in p-Pb collisions at root S-NN=5.02 TeV. In *European Physical Journal C*, 2014, vol. 74, no. 9, art. no. 3054. (2013: 5.436 - IF, Q1 - JCR, 2.323 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-014-3054-5>

Ohlasy:

1. [1.1] ABDEL-WAGED, Khaled - FELEMBAN, Nuha. Interpretation of charged-particle spectra in p plus p and p plus Pb collisions at energies available at the CERN Large Hadron Collider using an improved HIJING code with a collective cascade. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 3, art. no. 034908., Registrované v: WOS
2. [1.1] ARLEO, Francois. Aspects of hard QCD processes in proton-nucleus collisions. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 71-76., Registrované v: WOS
3. [1.1] DUCLOUE, B. - LAPPI, T. - MANTYSAARI, H. Isolated photon production in proton-nucleus collisions at forward rapidity. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 054023., Registrované v: WOS
4. [1.1] CHEN SHI-YONG - SHEN KE-MING - DAI WEI - ZHANG BEN-WEI - ZHANG HAN-ZHONG - WANG EN-KE. Centrality Dependence of Productions for Single Hadrons and Inclusive Jets in High-Energy p plus A Collisions with NLO QCD. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2015, vol. 64, no. 1, pp. 95-102., Registrované v: WOS
5. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS
6. [1.1] NALLY, Richard - RABEN, Timothy - TAN, Chung-I. Inclusive production through AdS/CFT. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 11, art. no. 075., Registrované v: WOS
7. [1.1] PEREPELITSA, Dennis V. Hard processes in small systems. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 113-120., Registrované v: WOS

8. [1.1] SUN, Y.F. - PLUMARI, S. - GRECO, V. Study of collective anisotropies $v(2)$ and $v(3)$ and their fluctuations in pA collisions at LHC within a relativistic transport approach. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JAN 10 2020, vol. 80, no. 1., Registrované v: WOS
9. [1.1] TANNENBAUM, M. J. Is (q)over-cap a physical quantity or just a parameter? and other unanswered questions in high-p(T) physics. In 10TH INTERNATIONAL WORKSHOP ON HIGH-PT PHYSICS IN THE RHIC/LHC ERA. ISSN 1742-6588, 2017, vol. 805, art. no. UNSP 012005., Registrované v: WOS
10. [1.1] WATANABE, Kazuhiro - XIAO, Bo-Wen - YUAN, Feng - ZASLAVSKY, David. Implementing the exact kinematical constraint in the saturation formalism. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, art. no. 034026., Registrované v: WOS
11. [1.1] ZHAO, W.B. - KO, C.M. - LIU, Y.X. - QIN, G.Y. - SONG, H.C. Probing the Partonic Degrees of Freedom in High-Multiplicity p-Pb collisions at root s(NN)=5.02 TeV. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, AUG 12 2020, vol. 125, no. 7., Registrované v: WOS
12. [1.1] ZHENG, H. - ZHU, Lilin. Can Tsallis Distribution Fit All the Particle Spectra Produced at RHIC and LHC? In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 180491., Registrované v: WOS

ADCA1222 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - ŠÁNDOR, Ladislav - VALA, Martin. Transverse Momentum Distribution and Nuclear Modification Factor of Charged Particles in p plus Pb Collisions at root(NN)-N-s=5.02 TeV. In *Physical Review Letters*, 2013, vol. 110, no. 8, art. no. 082302. (2012: 7.943 - IF, Q1 - JCR, 6.292 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.110.082302>

Ohlasy:

1. [1.1] ABDEL-WAGED, Khaled - FELEMBAN, Nuha. Interpretation of charged-particle spectra in p plus p and p plus Pb collisions at energies available at the CERN Large Hadron Collider using an improved HIJING code with a collective cascade. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 3, art. no. 034908., Registrované v: WOS
2. [1.1] ALI, Y. - TABASSAM, U. - SULEYMANOV, M. - BHATTI, A. S. Comparison study of the p(T) distributions of the charged particles in p-Pb interactions at LHC energies. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2017, vol. 32, no. 31, art. no. 1750167., Registrované v: WOS
3. [1.1] BRATKOVSKAYA, E. L. - CASSING, W. - KONCHAKOVSKI, V. P. - TONEEV, V. D. The QGP dynamics in relativistic collisions. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2014). ISSN 1742-6588, 2015, vol. 623, art. no. 012005., Registrované v: WOS
4. [1.1] DAI, W. - XING, H.X. - ZHANG, B.W. - WANG, E.K. - WANG, X.N. Multiple scattering and parton energy loss in nuclei. In SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA. ISSN 1674-7275, 2019, vol. 49, no. 10., Registrované v: WOS
5. [1.1] DUCLOUE, B. - LAPPI, T. - MANTYSAARI, H. Isolated photon production in proton-nucleus collisions at forward rapidity. In

- PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, art. no. 054023.,
Registrované v: WOS
6. [1.1] DUMITRU, Adrian - KAPILEVICH, Gary - SKOKOV, Vladimir. The small-x gluon distribution in centrality biased p A and pp collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 974, pp. 106-123., Registrované v: WOS
 7. [1.1] DURAES, F. O. - GIANNINI, A. V. - GONCALVES, V. P. - NAVARRA, F. S. Rapidity dependence of the average transverse momentum in hadronic collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024917., Registrované v: WOS
 8. [1.1] DUSLING, Kevin - LI, Wei - SCHENKE, Bjoern. Novel collective phenomena in high-energy proton-proton and proton-nucleus collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 1, art. no. 1630002., Registrované v: WOS
 9. [1.1] HARRIS, John W. Introduction to Hard Scattering Processes and Recent Results from Hard Probes at RHIC and LHC. In XXXVII BRAZILIAN MEETING ON NUCLEAR PHYSICS. ISSN 1742-6588, 2015, vol. 630, art. no. 012052., Registrované v: WOS
 10. [1.1] CHIEN, Yang-Ting - EMERMAN, Alexander - KANG, Zhong-Bo - OVANESYAN, Grigory - VITEV, Ivan. Jet quenching from QCD evolution. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 074030., Registrované v: WOS
 11. [1.1] KANG, Zhong-Bo - VITEV, Ivan - WANG, Enke - XING, Hongxi - ZHANG, Cheng. Multiple scattering effects on heavy meson production in p plus A collisions at backward rapidity. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 740, pp. 23-29., Registrované v: WOS
 12. [1.1] KOPELIOVICH, B. Z. - NEMCHIK, J. - POTASHNIKOVA, I. K. - SCHMIDT, Ivan. High-p(T) hadrons in pA and AA collisions : Impact of energy conservation. In 9TH INTERNATIONAL WORKSHOP ON HIGH-PT PHYSICS AT LHC. ISSN 1742-6588, 2015, vol. 589, art. no. 012013., Registrované v: WOS
 13. [1.1] LV, M. - MA, Y. G. - CHEN, J. H. - FANG, D. Q. - ZHANG, G. Q. Medium effect on the nuclear modification factor of protons and pions in intermediate-energy heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 2, art. no. 024614., Registrované v: WOS
 14. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS
 15. [1.1] PARVAN, A. S. Finite size effects in the thermodynamics of a free neutral scalar field. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2018, vol. 496, pp. 410-433., Registrované v: WOS
 16. [1.1] PIEROG, T. - KARPENKO, Iu. - KATZY, J. M. - YATSENKO, E. - WERNER, K. EPOS LHC: Test of collective hadronization with data measured at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 92, no. 3, art. no. 034906., Registrované v: WOS
 17. [1.1] SHEN, Chun - PARK, Chanwook - PAQUET, Jean-Francois -

DENICOL, Gabriel S. - JEON, Sangyong - GALE, Charles. Direct photon production and jet energy-loss in small systems. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 741-744., Registrované v: WOS

18. [1.1] SUZUKI, T. - ITOW, Y. - KASAHARA, K. - SAKO, T. - TORII, S. Monte Carlo study of a new experiment at RHIC measuring the nuclear effect for cosmic ray observations. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2017, vol. 12, art. no. P09016., Registrované v: WOS

19. [1.1] TABASSAM, U. - ALI, Y. - SULEYMANOV, M. - BHATTI, A. S. - BUTT, J. B. - AMJAD, M. S. Transverse momentum distribution of primary charged particles in the p-Pb interactions using HIJING 1.0. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 24, art. no. 1650136., Registrované v: WOS

20. [1.1] WAGNER, Jan. Measurement of electrons from charm and beauty-hadron decays in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV with ALICE at the LHC. In HOT QUARKS 2014: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS. ISSN 1742-6588, 2015, vol. 612, art. no. 012031., Registrované v: WOS

ADCA1223 ACHARYA, S. - ACOSTA, F.T. - ADAMOVIĆ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Transverse momentum spectra and nuclear modification factors of charged particles in pp, p-Pb and Pb-Pb collisions at the LHC. In *Journal of High Energy Physics*, 2018, no. 11, art. no. 013. (2017: 5.541 - IF, Q1 - JCR, 1.227 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP11\(2018\)013](https://doi.org/10.1007/JHEP11(2018)013)

Ohlasy:

1. [1.1] ARLEO, F. - COUGOULIC, F. - PEIGNE, S. Fully coherent energy loss effects on light hadron production in pA collisions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 30 2020, no. 9., Registrované v: WOS
2. [1.1] CASTORINA, P. - IORIO, A. - LANTERI, D. - SATZ, H. - SPOUSTA, M. Universality in hadronic and nuclear collisions at high energy. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 11 2020, vol. 101, no. 5., Registrované v: WOS
3. [1.1] DJORDJEVIC, Magdalena - STOJKU, Stefan - DJORDJEVIC, Marko - HUOVINEN, Pasi. Shape of the quark gluon plasma droplet reflected in the high-p(perpendicular to) data. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 3, art. no. 031901., Registrované v: WOS
4. [1.1] DJORDJEVIC, Magdalena - ZIGIC, Dusan - DJORDJEVIC, Marko - AUVINEN, Jussi. How to test path-length dependence in energy-loss mechanisms: Analysis leading to a new observable. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 6, art. no. 061902., Registrované v: WOS
5. [1.1] ESKOLA, K.J. - HELENIUS, I. - KUHA, M. - PAUKKUNEN, H. Shadowing in Inelastic Nucleon-Nucleon Cross Section?. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, NOV 18 2020, vol. 125, no. 21., Registrované v: WOS
6. [1.1] GARDIM, Fernando G. - GRASSI, Frederique - ISHIDA, Pedro

- LUZUM, Matthew - OLLITRAULT, Jean-Yves. p(T)-dependent particle number fluctuations from principal-component analyses in hydrodynamic simulations of heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 5, art. no. 054905., Registrované v: WOS
- 7. [1.1] GARDIM, F.G. - GIACALONE, G. - LUZUM, M. - OLLITRAULT, J.Y. Thermodynamics of hot strong-interaction matter from ultrarelativistic nuclear collisions. In NATURE PHYSICS. ISSN 1745-2473, JUN 2020, vol. 16, no. 6, p. 615-+., Registrované v: WOS
- 8. [1.1] GOTSMAN, E. - LEVIN, E. Thermal radiation and inclusive production in the Kharzeev-Levin-Nardi model for ion-ion collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 3, art. no. 034013., Registrované v: WOS
- 9. [1.1] HE, Yayun - CAO, Shanshan - CHEN, Wei - LUO, Tan - PANG, Long-Gang - WANG, Xin-Nian. Interplaying mechanisms behind single inclusive jet suppression in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 5, art. no. 054911., Registrované v: WOS
- 10. [1.1] CHANG, N.B. - TACHIBANA, Y. - QIN, G.Y. Nuclear modification of jet shape for inclusive jets and gamma-jets at the LHC energies. In PHYSICS LETTERS B. ISSN 0370-2693, FEB 10 2020, vol. 801., Registrované v: WOS
- 11. [1.1] KURKELA, Aleksi - WIEDEMANN, Urs Achim - WU, Bin. Flow in AA and pA as an interplay of fluid-like and non-fluid like excitations. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 11, art. no. 965., Registrované v: WOS
- 12. [1.1] SHI, Shuzhe - LIAO, Jinfeng - GYULASSY, Miklos. Global constraints from RHIC and LHC on transport properties of QCD fluids in CUJET/CIBJET framework. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 4, art. no. 044101., Registrované v: WOS
- 13. [1.1] WOLSCHIN, G. Aspects of Relativistic Heavy-Ion Collisions. In UNIVERSE. MAY 2020, vol. 6, no. 5., Registrované v: WOS
- 14. [1.1] XING, W.J. - CAO, S.S. - QIN, G.Y. - XING, H.X. Flavor hierarchy of jet quenching in relativistic heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, JUN 10 2020, vol. 805., Registrované v: WOS
- 15. [1.1] YOUN, J. - BEN, L.E. - STUART, M.B. - ELDAR, Y.C. - VAN SLOUN, R.J.G. - JENSEN, J.A. Deep Learning Models for Fast Ultrasound Localization Microscopy. In PROCEEDINGS OF THE 2020 IEEE INTERNATIONAL ULTRASONICS SYMPOSIUM (IUS). ISSN 1948-5719, 2020., Registrované v: WOS
- 16. [1.1] ZAKHAROV, B.G. Jet Quenching with T-dependent Running Coupling. In JETP LETTERS. ISSN 0021-3640, DEC 2020, vol. 112, no. 11, p. 681-687., Registrované v: WOS
- 17. [1.1] ZHAO, W.B. - KO, C.M. - LIU, Y.X. - QIN, G.Y. - SONG, H.C. Probing the Partonic Degrees of Freedom in High-Multiplicity p-Pb collisions at root s(NN)=5.02 TeV. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, AUG 12 2020, vol. 125, no. 7., Registrované v: WOS
- 18. [1.1] ZHENG, H. - ZHU, X.R. - ZHU, L.L. - BONASERA, A. Systematic investigation of the particle spectra in heavy-ion collisions at the Large Hadron Collider. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, JUL 10 2020, vol. 35, no. 21., Registrované v: WOS
- 19. [1.1] ZIGIC, Dusan - SALOM, Igor - AUVINEN, Jussi -

DJORDJEVIC, Marko - DJORDJEVIC, Magdalena. DREENA-C framework: joint $R(\text{AA})$ and $v(2)$ predictions and implications to QGP tomography. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 8, art. no. 085101., Registrované v: WOS
20. [1.1] ZIGIC, D. - ILIC, B. - DJORDJEVIC, M. - DJORDJEVIC, M. Exploring the initial stages in heavy-ion collisions with high- p (perpendicular to) theory and data. In PHYSICAL REVIEW C. ISSN 0556-2813, JUN 25 2020, vol. 101, no. 6., Registrované v: WOS

ADCA1224 ACHARYA, S. - ACOSTA, F.T. - ADAMOVIĆ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - MUŠINSKÝ, Ján - VALA, Martin. Transverse momentum spectra and nuclear modification factors of charged particles in Xe-Xe collisions at $\sqrt{s(\text{NN})}=5.44$ TeV. In *Physics Letters B*, 2019, vol. 788, p. 166-179. (2018: 4.162 - IF, Q2 - JCR, 1.806 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.10.052>

Ohlasy:

1. [1.1] CARZON, P. - RAO, S. - LUZUM, M. - SIEVERT, M. - NORONHA-HOSTLER, J. Possible octupole deformation of Pb-208 and the ultracentral $v(2)$ to $v(3)$ puzzle. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 9 2020, vol. 102, no. 5., Registrované v: WOS
2. [1.1] CASTORINA, P. - IORIO, A. - LANTERI, D. - SATZ, H. - SPOUSTA, M. Universality in hadronic and nuclear collisions at high energy. In PHYSICAL REVIEW C. ISSN 2469-9985, MAY 11 2020, vol. 101, no. 5., Registrované v: WOS
3. [1.1] ESKOLA, K.J. - HELENIUS, I. - KUHA, M. - PAUKKUNEN, H. Shadowing in Inelastic Nucleon-Nucleon Cross Section?. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, NOV 18 2020, vol. 125, no. 21., Registrované v: WOS
4. [1.1] GARDIM, F.G. - GIACALONE, G. - OLLITRAULT, J.Y. The mean transverse momentum of ultracentral heavy-ion collisions: A new probe of hydrodynamics. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS
5. [1.1] GARDIM, F.G. - GIACALONE, G. - LUZUM, M. - OLLITRAULT, J.Y. Thermodynamics of hot strong-interaction matter from ultrarelativistic nuclear collisions. In NATURE PHYSICS. ISSN 1745-2473, JUN 2020, vol. 16, no. 6, p. 615-+., Registrované v: WOS
6. [1.1] GIANNINI, Andre - GRASSI, Frederique - LUZUM, Matthew. Bulk quantities in nuclear collisions from running-coupling $k(T)$ factorization and hybrid simulations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 1, art. no. 014912., Registrované v: WOS
7. [1.1] PARVAN, A.S. - BHATTACHARYYA, T. Hadron transverse momentum distributions of the Tsallis normalized and unnormalized statistics. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, FEB 27 2020, vol. 56, no. 2., Registrované v: WOS
8. [1.1] SHAPOVAL, V.M. - ADZHYMAMBETOV, M.D. - SINYUKOV, Y.M. Femtoscopy scales and particle production in the relativistic heavy ion collisions from Au+Au at 200 AGeV to Xe+Xe at 5.44 ATeV within the integrated hydrokinetic model. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, OCT 12 2020, vol. 56, no. 10., Registrované v: WOS

9. [1.1] SHI, Shuzhe - LIAO, Jinfeng - GYULASSY, Miklos. Global constraints from RHIC and LHC on transport properties of QCD fluids in CUJET/CIBJET framework. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 4, art. no. 044101., Registrované v: WOS
10. [1.1] SCHENKE, B. - SHEN, C. - TRIBEDY, P. Running the gamut of high energy nuclear collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, OCT 15 2020, vol. 102, no. 4., Registrované v: WOS
11. [1.1] XIE, Man - WEI, Shu-Yi - QIN, Guang-You - ZHANG, Han-Zhong. Extracting jet transport coefficient via single hadron and dihadron productions in high-energy heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 7, art. no. 589., Registrované v: WOS
12. [1.1] XU, X.M. - WEBER, H.J. Inelastic meson-meson scattering in hadronic matter. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, OCT 30 2020, vol. 35, no. 33., Registrované v: WOS
13. [1.1] ZHAO, H.F. - LI, B.C. - DONG, H.W. Investigation of Particle Distributions in Xe-Xe Collision at $\sqrt{s}(\text{NN})=5.44$ TeV with the Tsallis Statistics. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, FEB 11 2020, vol. 2020., Registrované v: WOS
14. [1.1] ZHENG, H. - ZHU, X.R. - ZHU, L.L. - BONASERA, A. Systematic investigation of the particle spectra in heavy-ion collisions at the Large Hadron Collider. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, JUL 10 2020, vol. 35, no. 21., Registrované v: WOS
15. [1.1] ZHU, Lilin - ZHENG, Hua - KONG, Ruimin. Centrality and transverse momentum dependencies of hadrons in Pb plus Pb collisions at $\sqrt{s}\text{-NN}=5.02$ TeV and Xe plus Xe collisions at $\sqrt{s}\text{-NN}=5.44$ TeV from a multi-phase transport model. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 11, art. no. 205., Registrované v: WOS
16. [1.1] ZIGIC, Dusan - SALOM, Igor - AUVINEN, Jussi - DJORDJEVIC, Marko - DJORDJEVIC, Magdalena. DREENA-B framework: First predictions of R-AA and $v(2)$ within dynamical energy loss formalism in evolving QCD medium. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 791, pp. 236-241., Registrované v: WOS

ADCA1225 AAMODT, K. - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - PASTIRČÁK, Blahoslav - ŠÁNDOR, Ladislav - VALA, Martin. Transverse momentum spectra of charged particles in proton-proton collisions at $\sqrt{s}=900$ GeV with ALICE at the LHC. In *Physics Letters B*, 2010, vol. 693, no. 2, p. 53-68. (2009: 5.083 - IF, 2.886 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2010.08.026>

Ohlasy:

1. [1.1] AJAZ, M. - KHAN, I. - ALI, Y. - KHAN, K.H. Charged Particles $p(T)$ Spectra and the Correlation between $p(T)$ and all Charged Particles at $\sqrt{s}=900$ GeV. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, JUN 2019, vol. 58, no. 6, p. 2027-2032., Registrované v: WOS
2. [1.1] ARTEMENKOV, D. A. - LYKASOV, G. I. - MALAKHOV, A. I. Self-similarity of hadron production in pp and AA collisions at high energies. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN

- 0217-751X, 2015, vol. 30, no. 21, art. no. 1550127., Registrované v: WOS
3. [1.1] BAGCHI, Debarshee - TSALLIS, Constantino. Long-ranged Fermi-Pasta-Ulam systems in thermal contact: Crossover from q-statistics to Boltzmann-Gibbs statistics. In PHYSICS LETTERS A. ISSN 0375-9601, 2017, vol. 381, no. 13, pp. 1123-1128., Registrované v: WOS
4. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
5. [1.1] BIALAS, A. Tsallis p(perpendicular to) distribution from statistical clusters. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 190-192., Registrované v: WOS
6. [1.1] BRITO, Samurai - DA SILVA, L. R. - TSALLIS, Constantino. Role of dimensionality in complex networks. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, art. no. 27992., Registrované v: WOS
7. [1.1] BRODSKY, S.J. - LYKASOV, G.I. - LIPATOV, A.V. - SMIESKO, J. Novel heavy-quark physics phenomena. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, SEP 2020, vol. 114., Registrované v: WOS
8. [1.1] BYLINKIN, A. A. - CHERNYAVSKAYA, N. S. - ROSTOVTSEV, A. A. Predictions on the transverse momentum spectra for charged particle production at LHC-energies from a two component model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 4, art. no. 166., Registrované v: WOS
9. [1.1] EL-DAHSHAN, El-Sayed A. - EL-BAKRY, Mahmoud Y. Modeling of Transverse Momentum Spectra for Charged Particles in Proton-Proton Collisions Based on Soft Computing Approaches. In JOURNAL OF COMPUTATIONAL AND THEORETICAL TRANSPORT. ISSN 2332-4309, 2017, vol. 46, no. 6-7, pp. 410-426., Registrované v: WOS
10. [1.1] FELIPE DIAZ-CARDENAS, Alfonso - DEL RAYO SANKEY-GARCIA, Maria - DIAZ-FURLONG, Alfonso - ADRIAN DIAZ-FURLONG, Hector - XOXOCOTZI-AGUILAR, Reyna - JAIME VAZQUEZ-LOPEZ, Jose - APAM-GARCIA, Cynthia. Characteristics of the scientific production of Puebla institutions indexed in the Web of Science. In INVESTIGACION BIBLIOTECOLOGICA. ISSN 0187-358X, 2017, pp. 43-77., Registrované v: WOS
11. [1.1] GAO, L.N. - LIU, F.H. Transverse momentum spectra of heavy baryons and mesons in forward rapidity range in small collision system at the LHC. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, SEP 2020, vol. 94, no. 9, p. 1431-1450., Registrované v: WOS
12. [1.1] GHAFARY, Tooraj. Charged Particles Multiplicity and Scaling Violation of Fragmentation Functions in Electron-Positron Annihilation. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 4506809., Registrované v: WOS
13. [1.1] KOSHELKIN, Andrew V. - WONG, Cheuk-Yin. Dynamics of Quarks in a 2D Flux Tube. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, art. no. 01004., Registrované v: WOS
14. [1.1] KURGYIS, Balint - CSANAD, Mate. Perturbative Accelerating Solutions of Relativistic Hydrodynamics. In UNIVERSE. ISSN 2218-1997,

2017, vol. 3, no. 4, art. no. 84., Registrované v: WOS

15. [1.1] LI, Bao-Chun - BAI, Ting - GUO, Yuan-Yuan - LIU, Fu-Hu. On J/psi and Upsilon Transverse Momentum Distributions in High Energy Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, art. no. 9383540., Registrované v: WOS

16. [1.1] LI, Bao-Chun - ZHANG, Guo-Xing - GUO, Yuan-Yuan. Transverse Momentum Spectra of K-S(0) and K*(0) at Midrapidity in d plus Au, Cu plus Cu, and p plus p Collisions at root S-NN=200 GeV. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 684950., Registrované v: WOS

17. [1.1] LI, Li-Li - LIU, Fu-Hu. Energy dependent kinetic freeze-out temperature and transverse flow velocity in high energy collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 10, art. no. 169., Registrované v: WOS

18. [1.1] LI, L.L. - LIU, F.H. Kinetic Freeze-Out Properties from Transverse Momentum Spectra of Pions in High Energy Proton-Proton Collisions. In PHYSICS. JUN 2020, vol. 2, no. 2, p. 277-308., Registrované v: WOS

19. [1.1] LYKASOV, G. I. - MALAKHOV, A. I. Self-consistent analysis of hadron production in pp and AA collisions at mid-rapidity. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 11, art. no. 187., Registrované v: WOS

20. [1.1] MALAKHOV, A.I. - LYKASOV, G.I. Mid-rapidity dependence of pion production in p - p and A - A collisions.. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, APR 16 2020, vol. 56, no. 4., Registrované v: WOS

21. [1.1] OSADA, Takeshi - ISHIHARA, Masamichi. Event-by-event mean p(T) fluctuations and transverse size of color flux tube generated in p-p collisions at root s=0.90 TeV. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 1, art. no. 015104., Registrované v: WOS

22. [1.1] OSADA, T. - KUMAOKA, T. Saturation momentum scale extracted from semi-inclusive transverse spectra in high-energy pp collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, SEP 26 2019, vol. 100, no. 3., Registrované v: WOS

23. [1.1] PARVAN, A. S. Comparison of Tsallis statistics with the Tsallis-factorized statistics in the ultrarelativistic pp collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 12, art. no. 355., Registrované v: WOS

24. [1.1] PARVAN, A. S. Self-consistent thermodynamics for the Tsallis statistics in the grand canonical ensemble: Nonrelativistic hadron gas. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 9, art. no. 108., Registrované v: WOS

25. [1.1] PARVAN, A.S. - BHATTACHARYYA, T. Hadron transverse momentum distributions of the Tsallis normalized and unnormalized statistics. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, FEB 27 2020, vol. 56, no. 2., Registrované v: WOS

26. [1.1] QIU, Hui-Bin - LIU, San-Qiu. Nonlinear behavior of plasma: Connection with nonextensive statistics. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2018, vol. 510, pp.

486-491., Registrované v: WOS

27. [1.1] QIU, Hui-Bin - LIU, San-Qiu. Dispersion relation of longitudinal oscillation in relativistic plasmas with nonextensive distribution. In PHYSICS OF PLASMAS. ISSN 1070-664X, 2018, vol. 25, no. 10, art. no. 102102., Registrované v: WOS

28. [1.1] RISTEA, Oana - RISTEA, Catalin - JIPA, Alexandru. Rapidity dependence of charged pion production at relativistic energies using Tsallis statistics. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 5, art. no. 91., Registrované v: WOS

29. [1.1] RUIZ, Guiomar - TIRNAKLI, Ugur - BORGES, Ernesto P. - TSALLIS, Constantino. Statistical characterization of the standard map. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2017, art. no. 063403., Registrované v: WOS

30. [1.1] RYBCZYNSKI, Maciej - WLODARCZYK, Zbigniew. Imprints of energy limitation in transverse momentum distributions of jets. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 7, art. no. 80., Registrované v: WOS

31. [1.1] RYBCZYNSKI, M. - WLODARCZYK, Z. Similarities in Multiparticle Production Processes in pp Collisions as Imprints of Nonextensive Statistics. In SYMMETRY-BASEL. AUG 2020, vol. 12, no. 8., Registrované v: WOS

32. [1.1] SHEN, K.M. Analysis on hadron spectra in heavy-ion collisions with a new non-extensive approach. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, OCT 2019, vol. 46, no. 10., Registrované v: WOS

33. [1.1] TRAINOR, Thomas A. Charge-multiplicity and collision-energy dependence of p(t) spectra from p-p collisions at the relativistic heavy-ion collider and large hadron collider. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 7, art. no. 075008., Registrované v: WOS

34. [1.1] TSALLIS, Constantino. THERMODYNAMICS AND STATISTICAL MECHANICS FOR COMPLEX SYSTEMS FOUNDATIONS AND APPLICATIONS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2015, vol. 46, no. 6, pp. 1089-1101., Registrované v: WOS

35. [1.1] TSALLIS, Constantino - HAUBOLD, Hans J. Boltzmann-Gibbs entropy is sufficient but not necessary for the likelihood factorization required by Einstein. In EPL. ISSN 0295-5075, 2015, vol. 110, no. 3, art. no. 30005., Registrované v: WOS

36. [1.1] TSALLIS, Constantino. Inter-occurrence times and universal laws in finance, earthquakes and genomes. In CHAOS SOLITONS & FRACTALS. ISSN 0960-0779, 2016, vol. 88, pp. 254-266., Registrované v: WOS

37. [1.1] TSALLIS, Constantino. On the foundations of statistical mechanics. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2017, vol. 226, no. 7, pp. 1433-1443., Registrované v: WOS

38. [1.1] TSALLIS, Constantino. Generalization of the possible algebraic basis of q-triplets. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2017, vol. 226, no. 3, pp. 455-466., Registrované v: WOS

39. [1.1] WANG, Jun-Zhen - LI, Bao-Chun. Angular Dependence of eta Photoproduction in Photon-Induced Reaction. In ADVANCES IN HIGH

ENERGY PHYSICS. ISSN 1687-7357, 2018, art. no. 1260124., Registrované v: WOS

40. [1.1] WANG, Q. - LIU, F.H. Initial and Final State Temperatures of Antiproton Emission Sources in High Energy Collisions. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, DEC 2019, vol. 58, no. 12, p. 4119-4138., Registrované v: WOS

41. [1.1] WANG, Q. - LIU, F.H. Excitation Function of Initial Temperature of Heavy Flavor Quarkonium Emission Source in High Energy Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, AUG 17 2020, vol. 2020., Registrované v: WOS

42. [1.1] WANG, Q. - YANG, P.P. - LIU, F.H. Comparing a few distributions of transverse momenta in high energy collisions. In RESULTS IN PHYSICS. ISSN 2211-3797, MAR 2019, vol. 12, p. 259-267., Registrované v: WOS

43. [1.1] WAQAS, M. - LIU, F.H. - FAKHRADDIN, S. - RAHIM, M.A. Possible scenarios for single, double, or multiple kinetic freeze-out in high-energy collisions. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, OCT 2019, vol. 93, no. 10, p. 1329-1343., Registrované v: WOS

44. [1.1] WAQAS, M. - LIU, F.H. - LI, L.L. - ALFANDA, H.M. Effective (kinetic freeze-out) temperature, transverse flow velocity, and kinetic freeze-out volume in high energy collisions. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, NOV 7 2020, vol. 31, no. 11., Registrované v: WOS

45. [1.1] WAQAS, M. - LIU, F.H. - WAZIR, Z. Dependence of Temperatures and Kinetic Freeze-Out Volume on Centrality in Au-Au and Pb-Pb Collisions at High Energy. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, MAY 27 2020, vol. 2020., Registrované v: WOS

46. [1.1] WAQAS, M. - LIU, F.H. Initial, effective, and kinetic freeze-out temperatures from transverse momentum spectra in high-energy proton(deuteron)-nucleus and nucleus-nucleus collisions. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, JAN 28 2020, vol. 135, no. 2., Registrované v: WOS

47. [1.1] YANG, P.P. - WANG, Q. - LIU, F.H. Mutual Derivation Between Arbitrary Distribution Forms of Momenta and Momentum Components. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, AUG 2019, vol. 58, no. 8, p. 2603-2618., Registrované v: WOS

ADCA1226 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Transverse momentum, rapidity, and centrality dependence of inclusive charged-particle production in root s(NN)=5.02 TeV p+Pb collisions measured by the ATLAS experiment. In *Physics Letters B*, 2016, vol. 763, p. 313-336. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2016.10.053>

Ohlasy:

1. [1.1] ALVIOLI, M. - AZARKIN, M. - BLOK, B. - STRIKMAN, M. Revealing minijet dynamics via centrality dependence of double parton interactions in proton-nucleus collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, JUN 8 2019, vol. 79, no. 6., Registrované v:

WOS

2. [1.1] ARLEO, Francois. Aspects of hard QCD processes in proton-nucleus collisions. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 71-76., Registrované v: WOS
3. [1.1] BLOK, B. - CECCOPIERI, F.A. Z plus jets production via double parton scattering in pA collisions at the LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 20 2020, vol. 80, no. 8., Registrované v: WOS
4. [1.1] BLOK, B. - CECCOPIERI, F.A. Four -jet production via double parton scattering in pA collisions at the LHC. In PHYSICAL REVIEW D. ISSN 1550-7998, MAY 26 2020, vol. 101, no. 9., Registrované v: WOS
5. [1.1] BLOK, B. - CECCOPIERI, F.A. Double parton scattering in pA collisions at the LHC revisited. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, MAR 27 2020, vol. 80, no. 3., Registrované v: WOS
6. [1.1] CONNORS, Megan - NATTRASS, Christine - REED, Rosi - SALUR, Sevil. Jet measurements in heavy ion physics. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2018, vol. 90, no. 2, art. no. 025005., Registrované v: WOS
7. [1.1] DUMITRU, Adrian - KAPILEVICH, Gary - SKOKOV, Vladimir. The small-x gluon distribution in centrality biased p A and pp collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 974, pp. 106-123., Registrované v: WOS
8. [1.1] KHALEK, R.A. - ETHIER, J.J. - ROJO, J. - VAN WEELDEN, G. nNNPDF2.0: quark flavor separation in nuclei from LHC data. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, SEP 28 2020, no. 9., Registrované v: WOS
9. [1.1] ORTIZ, Antonio - VAZQUEZ, Omar. Energy density and path-length dependence of the fractional momentum loss in heavy-ion collisions at root S (N N) from 62.4 to 5020 GeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 1, art. no. 014910., Registrované v: WOS

ADCA1227 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - PASTIRČÁK, Blahoslav - ŠÁNDOR, Ladislav - VALA, Martin. Transverse sphericity of primary charged particles in minimum bias proton-proton collisions at root s=0.9, 2.76 and 7 TeV. In *European Physical Journal C*, 2012, vol. 72, no. 9, art. no. 2124. (2011: 3.631 - IF, Q2 - JCR, 2.962 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-012-2124-9>

Ohlasy:

1. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
2. [1.1] KUNDU, S.K. - SARKAR, T. - MAITY, M. Optimizing the parton shower model in PYTHIA with pp collision data at A root s=13 TeV. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, NOV 30 2019, vol. 34, no. 33., Registrované v: WOS
3. [1.1] ORTIZ VELASQUEZ, Antonio. Mean p(T) scaling with m/n(q)

at the LHC: Absence of (hydro) flow in small systems? In NUCLEAR PHYSICS
A. ISSN 0375-9474, 2015, vol. 943, pp. 9-17., Registrované v: WOS

ADCA1228 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef
- KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Triggers for
displaced decays of long-lived neutral particles in the ATLAS detector. In *Journal of
Instrumentation*, 2013, vol. 8, art. no. P07015. (2012: 1.656 - IF, Q2 - JCR, 0.383 -
SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN
1748-0221.

Ohlasy:

1. [1.1] CSAKI, Csaba - KUFLIK, Eric - LOMBARDO, Salvator -
SLONE, Oren. Searching for displaced Higgs boson decays. In PHYSICAL
REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, art. no. 073008.,
Registrované v: WOS
2. [1.1] CHEUNG, K. - WANG, Z.S. Probing long-lived particles at
Higgs factories. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 5 2020, vol.
101, no. 3., Registrované v: WOS
3. [1.1] REDINO, C. S. - WACKEROTH, D. Exploring the hadronic
axion window via delayed neutralino decay to axinos at the LHC. In PHYSICAL
REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 075022.,
Registrované v: WOS

ADCA1229 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan -
KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Two-
and three-pion quantum statistics correlations in Pb-Pb collisions at root S-NN=2.76
TeV at the CERN Large Hadron Collider. In *Physical Review C. Nuclear physics*,
2014, vol. 89, no. 2, art. no. 024911. (2013: 3.881 - IF, Q1 - JCR, 2.584 - SJR, Q1 -
SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN
2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.89.024911>

Ohlasy:

1. [1.1] BARY, Ghulam - RU, Peng - ZHANG, Wei-Ning. Analyses of
multi-pion Hanbury Brown-Twiss correlations for the pion-emitting sources with
Bose-Einstein condensation. In JOURNAL OF PHYSICS G-NUCLEAR AND
PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 6, art. no. 065102.,
Registrované v: WOS
2. [1.1] BARY, G. - RU, P. - ZHANG, W.N. Normalized multi-pion
Hanbury-Brown-Twiss correlation functions of pion-emitting sources with
Bose-Einstein condensation. In JOURNAL OF PHYSICS G-NUCLEAR AND
PARTICLE PHYSICS. ISSN 0954-3899, NOV 2019, vol. 46, no. 11.,
Registrované v: WOS
3. [1.1] BEGUN, Viktor - FLORKOWSKI, Wojciech. Bose-Einstein
condensation of pions in heavy-ion collisions at energies available at the CERN
Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol.
91, no. 5, art. no. 054909., Registrované v: WOS
4. [1.1] BEGUN, Viktor. Fluctuations as a test of chemical
nonequilibrium at energies available at the CERN Large Hadron Collider. In
PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 5, art. no. 054904.,
Registrované v: WOS
5. [1.1] BLUM, K. - TAKIMOTO, M. Nuclear coalescence from
correlation functions. In PHYSICAL REVIEW C. ISSN 2469-9985, APR 18

2019, vol. 99, no. 4., Registrované v: WOS

6. [1.1] CAO, X.M. - LIU, H. - LI, D.N. Pion quasiparticles and QCD phase transitions at finite temperature and isospin density from holography. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 8 2020, vol. 102, no. 12., Registrované v: WOS

7. [1.1] DERRADI DE SOUZA, R. - KOIDE, T. - KODAMA, T. Hydrodynamic approaches in relativistic heavy ion reactions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 86, pp. 35-85., Registrované v: WOS

8. [1.1] GANGADHARAN, Dhevan. Techniques for multiboson interferometry. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 1, art. no. 014902., Registrované v: WOS

9. [1.1] GAVRILIK, A. M. - MISHCHENKO, Yu. A. Correlation function intercepts for $(\mu)^{\text{over-tilde}}$, q-deformed Bose gas model implying effective accounting for interaction and compositeness of particles. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 891, pp. 466-481., Registrované v: WOS

10. [1.1] OKOROKOV, V. A. Geometry and Space-Time Extent of Pion Emission Region at FCC Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 5972709., Registrované v: WOS

11. [1.1] PARVAN, A. S. Finite size effects in the thermodynamics of a free neutral scalar field. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2018, vol. 496, pp. 410-433., Registrované v: WOS

12. [1.1] PLUMBERG, C. Hanbury-Brown-Twiss interferometry and collectivity in p plus p, p plus Pb, and Pb plus Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 13 2020, vol. 102, no. 5., Registrované v: WOS

13. [1.1] PLUMBERG, Christopher - HEINZ, Ulrich. Interferometric signatures of the temperature dependence of the specific shear viscosity in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 5, art. no. 054905., Registrované v: WOS

14. [1.1] RU, Peng - BARY, Ghulam - ZHANG, Wei-Ning. Pion transverse-momentum spectrum and elliptic anisotropy of partially coherent source. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 777, pp. 79-85., Registrované v: WOS

ADCA1230 AAD, G. - ABBOTT, B. - ABDEL KHALEK, S. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol. Two-particle Bose-Einstein correlations in pp collisions at root s=0.9 and 7 TeV measured with the ATLAS detector. In *European Physical Journal C*, 2015, vol. 75, no. 10, art. no. 466. (2014: 5.084 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-015-3644-x>

Ohlasy:

1. [1.1] AKKELIN, S.V. Quasi equilibrium state of expanding quantum fields and two-pion Bose-Einstein correlations in pp collisions at the LHC. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, MAY 23 2019, vol. 55, no. 5., Registrované v: WOS

2. [1.1] BIYAJIMA, Minoru - MIZOGUCHI, Takuya. Analyses of

multiplicity distributions and Bose-Einstein correlations at the LHC using negative binomial distribution and generalized Glauber-Lachs formula. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 6, art. no. 105., Registrované v: WOS

3. [1.1] BIYAJIMA, M. - MIZOGUCHI, T. Unified description of multiplicity distributions and Bose-Einstein correlations at the LHC based on the three-negative binomial distribution. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, NOV 10 2019, vol. 34, no. 31., Registrované v: WOS

4. [1.1] KUCHARCZYK, M. TWO-PARTICLE CORRELATIONS AT THE LHCb. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 4, p. 909-914., Registrované v: WOS

5. [1.1] MALECKI, B. Bose-Einstein Correlations in pp and pPb Collisions at LHCb. In UNIVERSE. ISSN 2218-1997, APR 2019, vol. 5, no. 4., Registrované v: WOS

6. [1.1] MALECKI, B. TWO-PARTICLE CORRELATIONS AT THE LHCb. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, p. 223-228., Registrované v: WOS

7. [1.1] METZGER, Wesley J. The tau-model of Bose-Einstein Correlations: Some recent results. In XLV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2015). ISSN 2100-014X, 2016, vol. 120, art. no. 01003., Registrované v: WOS

8. [1.1] OKOROKOV, V. A. Levy Distributions for One-Dimensional Analysis of the Bose-Einstein Correlations. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, art. no. 5465398., Registrované v: WOS

9. [1.1] PADULA, S.S. FEMTOSCOPIC BOSE-EINSTEIN CORRELATIONS OF CHARGED HADRONS IN pp COLLISIONS AT 13 TeV IN CMS. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, p. 187-192., Registrované v: WOS

10. [1.1] RU, P. - ZHANG, W.N. Long-range azimuthal correlations for partially coherent pion emission in proton-proton collisions. In PHYSICS LETTERS B. ISSN 0370-2693, OCT 10 2020, vol. 809., Registrované v: WOS

11. [1.1] SCHÖBER, S. - SCHILBACH, K. - DOERING, M. - STANCHI, S.K.M. - HOLZER, U. - KASTELEINER, P. - SCHITTENHELM, J. - SCHAEFER, J.F. - MUELLER, I. - LANG, P. - HANDGRETINGER, R. Allogeneic hematopoietic stem cell transplantation in two brothers with DNA ligase IV deficiency: a case report and review of the literature. In BMC PEDIATRICS. OCT 11 2019, vol. 19, no. 1., Registrované v: WOS

12. [1.1] ZDYBAL, M. PARTICLE CORRELATIONS AT LHCb. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2020, vol. 51, no. 6, p. 1593-1597., Registrované v: WOS

ADCA1231 AAMODT, K. - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - ŠÁNDOR, Ladislav - VALA, Martin. Two-pion Bose-Einstein correlations in central Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. In *Physics Letters B*, 2011, vol. 696, no. 4, p. 328-337. (2010: 5.255 - IF, Q1 - JCR, 3.103 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS,

SCOPUS). ISSN 0370-2693. Dostupné na:
<https://doi.org/10.1016/j.physletb.2010.12.053>

Ohlasy:

1. [1.1] DERRADI DE SOUZA, R. - KOIDE, T. - KODAMA, T. Hydrodynamic approaches in relativistic heavy ion reactions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 86, pp. 35-85., Registrované v: WOS
2. [1.1] FELIPE DIAZ-CARDENAS, Alfonso - DEL RAYO SANKEY-GARCIA, Maria - DIAZ-FURLONG, Alfonso - ADRIAN DIAZ-FURLONG, Hector - XOXOCOTZI-AGUILAR, Reyna - JAIME VAZQUEZ-LOPEZ, Jose - APAM-GARCIA, Cynthia. Characteristics of the scientific production of Puebla institutions indexed in the Web of Science. In INVESTIGACION BIBLIOTECOLOGICA. ISSN 0187-358X, 2017, pp. 43-77., Registrované v: WOS
3. [1.1] GANGADHARAN, Dhevan. Techniques for multiboson interferometry. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 1, art. no. 014902., Registrované v: WOS
4. [1.1] HABICH, M. - NAGLE, J. L. - ROMATSCHKE, P. Particle spectra and HBT radii for simulated central nuclear collisions of C plus C, Al plus Al, Cu plus Cu, Au plus Au, and Pb plus Pb from $\sqrt{s}=62.4-2760$ GeV. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 1, art. no. 15., Registrované v: WOS
5. [1.1] HE, Qing-Hua. An energy sum constraint of event mixing for Bose-Einstein correlations in reactions with $\pi\pi X$ final states around 1 GeV. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 7, art. no. 074004., Registrované v: WOS
6. [1.1] HE, Q. An event-mixing method using energy hierarchy constraint for two-pion Bose-Einstein correlations measurements in $\pi\pi x$ system. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, 2018, vol. 27, no. 11, art. no. 1850095., Registrované v: WOS
7. [1.1] HE, Q. H. Study of event mixing for Bose Einstein correlations in reactions with $\pi\pi X$ final states around 1 GeV. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2017, vol. 32, no. 23, art. no. 1750118., Registrované v: WOS
8. [1.1] HE, Q. - AI, J. - ISHIKAWA, T. - LI, T. - MA, L. - MA, J. - MIYABE, M. - MURAMATSU, N. - SHIMIZU, H. - TSUCHIKAWA, Y. - XIANG, Y. - YAMAZAKI, H. - ZHANG, Y. A study of event mixing for two-pion Bose-Einstein correlations in the $\gamma p \rightarrow \pi(0)\pi(0)p$ reaction. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2017, no. 3, art. no. 033D02., Registrované v: WOS
9. [1.1] HE, Q. - HE, X. - LI, T. MEASURING INTENSITY INTERFERENCE IN A LOW MULTIPLICITY SYSTEM $\pi\pi X$ WITH A NEW OBSERVING METHOD. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2020, vol. 51, no. 2, p. 463-471., Registrované v: WOS
10. [1.1] HE, Q. - LI, T. - HE, X. - ZHUANG, K. Sub-regional event mixing constraints for two-pion Bose-Einstein correlations measurements in $\pi\pi x$ system. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, APR 2019, vol. 28, no. 4., Registrované v: WOS
11. [1.1] HOELCK, J. - WOLSCHIN, G. Electromagnetic field effects on Gamma-meson dissociation in PbPb collisions at LHC energies. In EUROPEAN

PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 12, art. no. 241.,
Registrované v: WOS

12. [1.1] IRFAN, S. - AKRAM, F. - MASUD, B. - SHAFaq, B.
Interactions of B-c mesons in relativistic heavy-ion collisions. In PHYSICAL
REVIEW C. ISSN 2469-9985, DEC 18 2019, vol. 100, no. 6., Registrované v:
WOS

13. [1.1] KANNIKA, Jakapat - HEROLD, Christoph - LIMPHIRAT,
Ayut - KOBDAJ, Chinorat - YAN, Yupeng. Dynamical formation of center
domains in quark-gluon plasma. In PHYSICAL REVIEW C. ISSN 2469-9985,
2017, vol. 95, no. 3, art. no. 034903., Registrované v: WOS

14. [1.1] KEANE, Declan. The Beam Energy Scan at the Relativistic
Heavy Ion Collider. In INTERNATIONAL WORKSHOP ON DISCOVERY
PHYSICS AT THE LHC. ISSN 1742-6588, 2017, vol. 878, art. no. UNSP
012015., Registrované v: WOS

15. [1.1] KNOSPE, A. G. - MARKERT, C. - WERNER, K. -
STEINHEIMER, J. - BLEICHER, M. Hadronic resonance production and
interaction in partonic and hadronic matter in the EPOS3 model with and without
the hadronic afterburner UrQMD. In PHYSICAL REVIEW C. ISSN 2469-9985,
2016, vol. 93, no. 1, art. no. 014911., Registrované v: WOS

16. [1.1] LACEY, Roy A. Indications for a Critical End Point in the
Phase Diagram for Hot and Dense Nuclear Matter. In PHYSICAL REVIEW
LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 14, art. no. 142301.,
Registrované v: WOS

17. [1.1] LEDNICKY, R. Correlation Femtoscopy: Origins and
Achievements. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796,
MAY 2020, vol. 51, no. 3, p. 221-226., Registrované v: WOS

18. [1.1] MALECKI, B. Bose-Einstein Correlations in pp and pPb
Collisions at LHCb. In UNIVERSE. ISSN 2218-1997, APR 2019, vol. 5, no. 4.,
Registrované v: WOS

19. [1.1] MIHAYLOV, D. L. - SARTI, V. Mantovani - ARNOLD, O. W.
- FABBIIETTI, L. - HOHLWEGGER, B. - MATHIS, A. M. A femtoscopic
correlation analysis tool using the Schrodinger equation (CATS). In EUROPEAN
PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 5, art. no. 394.,
Registrované v: WOS

20. [1.1] MINISSALE, Vincenzo - SCARDINA, Francesco - GRECO,
Vincenzo. Hadrons from coalescence plus fragmentation in AA collisions at
energies available at the BNL Relativistic Heavy Ion Collider to the CERN Large
Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 92,
no. 5, art. no. 054904., Registrované v: WOS

21. [1.1] MOGLIACCI, Sylvain - KOLBE, Isobel - HOROWITZ, W. A.
From Heavy-Ion Collisions to Compact Stars: Equation of State and Relevance of
the System Size. In UNIVERSE. ISSN 2218-1997, 2018, vol. 4, no. 1, art. no.
14., Registrované v: WOS

22. [1.1] NIGMATKULOV, G. Femtoscopic Probes with Strange
Particles in STAR. In PHYSICS OF PARTICLES AND NUCLEI. ISSN
1063-7796, MAY 2020, vol. 51, no. 3, p. 248-251., Registrované v: WOS

23. [1.1] OKOROKOV, V.A. Global Characteristics of the Medium
Produced in Ultra-High Energy Cosmic Ray Collisions. In PHYSICS OF
ATOMIC NUCLEI. ISSN 1063-7788, NOV 2019, vol. 82, no. 6, p. 838-844.,
Registrované v: WOS

24. [1.1] RAFIEI, Azam - JAVIDAN, Kurosh. Colliding solitary waves in quark gluon plasmas. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 3, art. no. 034904., Registrované v: WOS
25. [1.1] RISTEA, C. - JIPA, A. - RISTEA, O. - LAZANU, I. - BESLIU, C. - ESANU, T. - CALIN, M. - TUTURAS, N. G. - BABAN, V. - ARGINTARU, D. HYDRODYNAMIC FLOW AND PHASE TRANSITIONS IN RELATIVISTIC NUCLEAR COLLISIONS REFLECTED BY HUBBLE TYPE FIREBALL EVOLUTION. In ROMANIAN REPORTS IN PHYSICS. ISSN 1221-1451, 2016, vol. 68, no. 3, pp. 1060-1068., Registrované v: WOS
26. [1.1] SHAPOVAL, V.M. - ADZHYMAMBETOV, M.D. - SINYUKOV, Y.M. Femtoscopy scales and particle production in the relativistic heavy ion collisions from Au+Au at 200 AGeV to Xe+Xe at 5.44 ATeV within the integrated hydrokinetic model. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, OCT 12 2020, vol. 56, no. 10., Registrované v: WOS
27. [1.1] SINYUKOV, Y.M. - ADZHYMAMBETOV, M.D. - SHAPOVAL, V.M. Correlation analysis of high-energy heavy-ion collisions within the integrated hydrokinetic model. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 22-23, p. 3551-3557., Registrované v: WOS
28. [1.1] SINYUKOV, Y.M. - ADZHYMAMBETOV, M.D. - SHAPOVAL, V.M. - NABOKA, V.Y. Femtoscopic Structure of Relativistic Heavy Ion Collisions in the Integrated HydroKinetic Model. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, MAY 2020, vol. 51, no. 3, p. 258-262., Registrované v: WOS
29. [1.1] WANG, Ting-Ting - MA, Yu-Gang - ZHANG, Chun-Jian - ZHANG, Zheng-Qiao. Effect of in-medium nucleon-nucleon cross section on proton-proton momentum correlation in intermediate-energy heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, art. no. 034617., Registrované v: WOS
30. [1.1] YANG, Jing - REN, Yan-Yu - ZHANG, Wei-Ning. Pion Transverse Momentum Spectrum, Elliptic Flow, and Interferometry in the Granular Source Model for RHIC and LHC Heavy Ion Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 846154., Registrované v: WOS
31. [1.1] YASSIN, H. - ELYAZEED, E.R.A. TRANSVERSE MOMENTUM $p(T)$ SPECTRA OF STRANGE PARTICLES PRODUCTION IN DIFFERENT COLLISIONS AT $\sqrt{s(NN)}=2.76, 5.02$ AND 7 TeV. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, JAN 2019, vol. 50, no. 1, p. 37-54., Registrované v: WOS
32. [1.1] ZHANG, S. - MA, Y. G. - CHEN, J. H. - ZHONG, C. Beam Energy Dependence of Hanbury-Brown-Twiss Radii from a Blast-Wave Model. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 9414239., Registrované v: WOS
33. [1.1] ZHAO, W.B. - SHEN, C. - KO, C.M. - LIU, Q.S. - SONG, H.C. Beam-energy dependence of the production of light nuclei in Au plus Au collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, OCT 26 2020, vol. 102, no. 4., Registrované v: WOS

Martin. Two-pion Bose-Einstein correlations in pp collisions at $\sqrt{s}=900$ GeV. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2010, vol. 82, no. 5, art. no. 052001. (2009: 4.922 - IF, 2.792 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.82.052001>

Ohlasy:

1. [1.1] ARTEMENKOV, D. A. - LYKASOV, G. I. - MALAKHOV, A. I. Self-similarity of hadron production in pp and AA collisions at high energies. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2015, vol. 30, no. 21, art. no. 1550127., Registrované v: WOS
2. [1.1] BLUM, Kfir - NG, Kenny Chun Yu - SATO, Ryosuke - TAKIMOTO, Masahiro. Cosmic rays, antihelium, and an old navy spotlight. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 96, no. 10, art. no. 103021., Registrované v: WOS
3. [1.1] BLUM, K. - TAKIMOTO, M. Nuclear coalescence from correlation functions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, APR 18 2019, vol. 99, no. 4., Registrované v: WOS
4. [1.1] BRODSKY, S.J. - LYKASOV, G.I. - LIPATOV, A.V. - SMIESKO, J. Novel heavy-quark physics phenomena. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, SEP 2020, vol. 114., Registrované v: WOS
5. [1.1] GANGADHARAN, Dhevan. Techniques for multiboson interferometry. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2015, vol. 92, no. 1, art. no. 014902., Registrované v: WOS
6. [1.1] LYKASOV, G. I. - MALAKHOV, A. I. Self-consistent analysis of hadron production in pp and AA collisions at mid-rapidity. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2018, vol. 54, no. 11, art. no. 187., Registrované v: WOS
7. [1.1] MALAKHOV, A.I. - LYKASOV, G.I. Mid-rapidity dependence of pion production in p - p and A - A collisions.. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, APR 16 2020, vol. 56, no. 4., Registrované v: WOS
8. [1.1] NIGMATKULOV, Grigory. Beam and target dependencies of two-kaon femtoscopic correlations in SELEX. In *XXIII INTERNATIONAL BALDIN SEMINAR ON HIGH ENERGY PHYSICS PROBLEMS RELATIVISTIC NUCLEAR PHYSICS AND QUANTUM CHROMODYNAMICS (BALDIN ISHEPP XXIII)*. ISSN 2100-014X, 2017, vol. 138, art. no. UNSP 03013., Registrované v: WOS
9. [1.1] OKOROKOV, V. A. Levy Distributions for One-Dimensional Analysis of the Bose-Einstein Correlations. In *ADVANCES IN HIGH ENERGY PHYSICS*. ISSN 1687-7357, 2017, art. no. 5465398., Registrované v: WOS
10. [1.1] OSADA, Takeshi - ISHIHARA, Masamichi. Event-by-event mean $p(T)$ fluctuations and transverse size of color flux tube generated in p-p collisions at $\sqrt{s}=0.90$ TeV. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*. ISSN 0954-3899, 2018, vol. 45, no. 1, art. no. 015104., Registrované v: WOS
11. [1.1] PARVAN, A. S. Comparison of Tsallis statistics with the Tsallis-factorized statistics in the ultrarelativistic pp collisions. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2016, vol. 52, no. 12, art. no. 355., Registrované v: WOS

12. [1.1] PARVAN, A. S. Self-consistent thermodynamics for the Tsallis statistics in the grand canonical ensemble: Nonrelativistic hadron gas. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 9, art. no. 108., Registrované v: WOS
13. [1.1] XU, Hong-ge - LI, Di-kai - CHEN, Gang - LI, Liang. Study on space-time structure of Higgs jet with the HBT correlation method in $e(+)e(-)$ collision at $\sqrt{s}=250$ GeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 10, art. no. 202., Registrované v: WOS

ADCA1233 ADAM, J. - ADAMOVIĆ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Two-pion femtoscopy in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. In *Physical Review C. Nuclear physics*, 2015, vol. 91, no. 3, art. no. 034906. (2014: 3.733 - IF, Q1 - JCR, 2.480 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.91.034906>

Ohlasy:

1. [1.1] BLUM, Kfir - TAKIMOTO, Masahiro. Nuclear coalescence from correlation functions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4., Registrované v: WOS
2. [1.1] BOZEK, Piotr - BYSIAK, Sebastian. Interferometry correlations in central p plus Pb collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 1, art. no. 53., Registrované v: WOS
3. [1.1] BOZEK, Piotr - BZDAK, Adam - MA, Guo-Liang. Rapidity dependence of elliptic and triangular flow in proton-nucleus collisions from collective dynamics. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 748, pp. 301-305., Registrované v: WOS
4. [1.1] BOZEK, Piotr. Small systems hydrodynamics. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 208-215., Registrované v: WOS
5. [1.1] CLARK, Michael. Femtoscopy in $\sqrt{s_{NN}}=5.02$ TeV p+Pb collisions with ATLAS. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 365-368., Registrované v: WOS
6. [1.1] DUSLING, Kevin - LI, Wei - SCHENKE, Bjoern. Novel collective phenomena in high-energy proton-proton and proton-nucleus collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 1, art. no. 1630002., Registrované v: WOS
7. [1.1] HEINZ, Ulrich - MORELAND, J. Scott. Hydrodynamic flow in small systems or: "How the heck is it possible that a system emitting only a dozen particles can be described by fluid dynamics?". In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2018). ISSN 1742-6588, 2019, vol. 1271., Registrované v: WOS
8. [1.1] KASZA, Gabor - CSORGO, Tamas. Lifetime estimations from RHIC Au plus Au data. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2019, vol. 34, no. 26., Registrované v: WOS
9. [1.1] MANTYSAARI, Heikki - SCHENKE, Bjorn - SHEN, Chun - TRIBEDY, Prithwish. Imprints of fluctuating proton shapes on flow in proton-lead collisions at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693,

2017, vol. 772, pp. 681-686., Registrované v: WOS

10. [1.1] MOGLIACCI, Sylvain - KOLBE, Isobel - HOROWITZ, W. A. From Heavy-Ion Collisions to Compact Stars: Equation of State and Relevance of the System Size. In UNIVERSE. ISSN 2218-1997, 2018, vol. 4, no. 1, art. no. 14., Registrované v: WOS

11. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS

12. [1.1] OKOROKOV, V. A. Geometry and Space-Time Extent of Pion Emission Region at FCC Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 5972709., Registrované v: WOS

13. [1.1] PLUMBERG, C. Hanbury-Brown-Twiss interferometry and collectivity in p plus p, p plus Pb, and Pb plus Pb collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 13 2020, vol. 102, no. 5., Registrované v: WOS

14. [1.1] PLUMBERG, Christopher - HEINZ, Ulrich. Interferometric signatures of the temperature dependence of the specific shear viscosity in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 5, art. no. 054905., Registrované v: WOS

15. [1.1] ROMATSCHKE, P. Light-heavy-ion collisions: a window into pre-equilibrium QCD dynamics? In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 7, art. no. 305., Registrované v: WOS

ADCA1234 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Underlying event characteristics and their dependence on jet size of charged-particle jet events in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. In *Physical Review D. Particles, fields, gravitation and cosmology*, 2012, vol. 86, no. 7, art. no. 072004. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.86.072004>

Ohlasy:

1. [1.1] ABDOLMALEKI, H. - KHORRAMIAN, A. Parton distribution functions and constraints on the intrinsic charm content of the proton using the Brodsky-Hoyer-Peterson-Saka approach. In PHYSICAL REVIEW D. ISSN 2470-0010, JUN 24 2019, vol. 99, no. 11., Registrované v: WOS

2. [1.1] ALEEDANESHVAR, A. - KHORRAMIAN, A. The impact of CMS inclusive jet data on parton distribution functions and their uncertainties. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 22, art. no. 1750134., Registrované v: WOS

3. [1.1] ALEKHIN, S. - BLUEMLEIN, J. - MOCH, S. - PLACAKYTE, R. Isospin asymmetry of quark distributions and implications for single top-quark production at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 114038., Registrované v: WOS

4. [1.1] ALEKHIN, S. - BLUEMLEIN, J. - MOCH, S. - PLACAKYTE, R. Parton distribution functions, $\alpha(s)$, and heavy-quark masses for LHC Run II. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, art. no. 014011., Registrované v: WOS

5. [1.1] ALIOLI, Simone - BAUER, Christian W. - BERGGREN,

- Calvin - TACKMANN, Frank J. - WALSH, Jonathan R. Drell-Yan production at NNLL 'plus NNLO matched to parton showers. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, art. no. 094020., Registrované v: WOS
6. [1.1] ARLEO, Francois - CHAPON, Emilien - PAUKKUNEN, Hannu. Scaling properties of inclusive $W^{+/-}$ production at hadron colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, art. no. 214., Registrované v: WOS
7. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
8. [1.1] BERTONE, Valerio - CARRAZZA, Stefano - HARTLAND, Nathan P. APFELgrid: A high performance tool for parton density determinations. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2017, vol. 212, pp. 205-209., Registrované v: WOS
9. [1.1] BOURRELY, Claude - SOFFER, Jacques. New developments in the statistical approach of parton distributions: Tests and predictions up to LHC energies. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 941, pp. 307-334., Registrované v: WOS
10. [1.1] BROILO, M. - FAGUNDES, D.A. - LUNA, E.G.S. - MENON, M.J. Proton-proton forward scattering at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2019, vol. 799., Registrované v: WOS
11. [1.1] DE BRUYN, Kristof. Lepton Flavour Violation in Tau Decays: Results and Prospects at the LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 287, pp. 164-167., Registrované v: WOS
12. [1.1] DILSIZ, Kamuran - TIRAS, Emrah. Inclusive W boson QCD predictions and lepton charge asymmetry in proton-proton collisions at $\sqrt{s}=14$ TeV. In CANADIAN JOURNAL OF PHYSICS. ISSN 0008-4204, 2018, vol. 96, no. 9, pp. 1029-1033., Registrované v: WOS
13. [1.1] DREES, Manuel - DREINER, Herbert K. - KIM, Jong Soo - SCHMEIER, Daniel - TATTERSALL, Jamie. CheckMATE: Confronting your favourite new physics model with LHC data. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2015, vol. 187, pp. 227-265., Registrované v: WOS
14. [1.1] DUMITRIU, Ana Elena - GRECU, A. T. RIVET PLUG-IN FOR $Z(0) \rightarrow e^{(+)} e^{(-)}$ PRODUCTION CROSS-SECTION MEASUREMENT IN pp COLLISIONS AT $\sqrt{s}=7$ TeV. In ROMANIAN JOURNAL OF PHYSICS. ISSN 1221-146X, 2015, vol. 60, no. 3-4, pp. 415-428., Registrované v: WOS
15. [1.1] FARINA, Marco - PANICO, Giuliano - PAPPADOPULO, Duccio - RUDERMAN, Joshua T. - TORRE, Riccardo - WULZER, Andrea. Energy helps accuracy: Electroweak precision tests at hadron colliders. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 772, pp. 210-215., Registrované v: WOS
16. [1.1] FORTE, S. - LEVY, A. - RIDOLFI, G. From My Vast Repertoire ... Guido Altarelli's Legacy Preface. In FROM MY VAST REPERTOIRE ... : GUIDO ALTARELLI'S LEGACY. 2019, p. V-+., Registrované v: WOS
17. [1.1] GAO, Jun - HARLAND-LANG, Lucian - ROJO, Juan. The structure of the proton in the LHC precision era. In PHYSICS

- REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2018, vol. 742, pp. 1-121., Registrované v: WOS
18. [1.1] HADJIMICHEF, D. - LUNA, E.G.S. - PELAEZ, M. QCD effective charges and the structure function F-2 at small-x: Higher twist effects. In PHYSICS LETTERS B. ISSN 0370-2693, MAY 10 2020, vol. 804., Registrované v: WOS
19. [1.1] HARLAND-LANG, L. A. - MARTIN, A. D. - MOTYLINSKI, P. - THORNE, R. S. Parton distributions in the LHC era: MMHT 2014 PDFs. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 204., Registrované v: WOS
20. [1.1] HARLAND-LANG, L. A. - MARTIN, A. D. - MOTYLINSKI, P. - THORNE, R. S. Updates of PDFs for the 2nd LHC run. In DIFFRACTION 2014: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2015, vol. 1654, art. no. 030001., Registrované v: WOS
21. [1.1] HOBBS, T.J. - WANG, B.T. - NADOLSKY, P.M. - OLNESS, F.I. Charting the coming synergy between lattice QCD and high-energy phenomenology. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 27 2019, vol. 100, no. 9., Registrované v: WOS
22. [1.1] HOU, T.J. - YU, Z.T. - DULAT, S. - SCHMIDT, C. - YUAN, C.P. Updating and optimizing error parton distribution function sets in the Hessian approach. II. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 13 2019, vol. 100, no. 11., Registrované v: WOS
23. [1.1] MEHDIABADI, S.P. - FAHIM, A. Explicit jet veto as a tool to purify the underlying event in the Drell-Yan process using CMS Open Data. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, SEP 2019, vol. 46, no. 9., Registrované v: WOS
24. [1.1] ORTIZ, Antonio - VALENCIA PALOMO, Lizardo. Universality of the underlying event in pp collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 114019., Registrované v: WOS
25. [1.1] PALNI, P. - KHUNTIA, A. - BARTALINI, P. Evolution of strange and multi-strange hadron production with relative transverse multiplicity activity in underlying event. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 6 2020, vol. 80, no. 10., Registrované v: WOS
26. [1.1] RU, Peng - ZHANG, Ben-Wei - WANG, Enke - ZHANG, Wei-Ning. Probing shadowed nuclear sea with massive gauge bosons in the future heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 9, art. no. 426., Registrované v: WOS
27. [1.1] SHOEIBI, Samira - KHANPOUR, Hamzeh - TAGHAVI-SHAHRI, F. - JAVIDAN, Kurosh. Determination of neutron fracture functions from a global QCD analysis of the leading neutron production at HERA. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 7, art. no. 074011., Registrované v: WOS
28. [1.1] WANG, Bo-Ting - HOBBS, T. J. - DOYLE, Sean - GAO, Jun - HOU, Tie-Jiun - NADOLSKY, Pavel M. - OLNESS, Fredrick I. Mapping the sensitivity of hadronic experiments to nucleon structure. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, art. no. 094030., Registrované v: WOS

ADCA1235 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - PASTIRČÁK, Blahoslav - ŠÁNDOR, Ladislav - VALA, Martin. Underlying Event measurements in pp collisions at $\sqrt{s}=0.9$ and 7 TeV with the ALICE experiment at the LHC. In *Journal of High Energy Physics*, 2012, vol. 2012, no. 7, art. no. 116. (2011: 5.831 - IF, 1.902 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP07\(2012\)116](https://doi.org/10.1007/JHEP07(2012)116)

Ohlasy:

1. [1.1] AZARKIN, M. - KOTKO, P. - SIODMOK, A. - STRIKMAN, M. Studying minijets and MPI with rapidity correlations. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 27 2019, vol. 79, no. 3., Registrované v: WOS
2. [1.1] BARTALINI, P. - GAUNT, J.R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, p. 1-+., Registrované v: WOS
3. [1.1] BISWAS, Rathijit. Measurement of Charged Jet Cross Sections and Jet Shapes in Proton-Proton Collisions at $\sqrt{s}=2.76$ TeV with the ALICE Detector at LHC. In XXII DAE HIGH ENERGY PHYSICS SYMPOSIUM. ISSN 0930-8989, 2018, vol. 203, pp. 275-279., Registrované v: WOS
4. [1.1] KUMAR, R. - BANSAL, M. - BANSAL, S. - SINGH, J. B. New observables for multiple-parton interactions measurements using Z plus jets processes at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, art. no. 054019., Registrované v: WOS
5. [1.1] MARTIN, T. - SKANDS, P. - FARRINGTON, S. Probing collective effects in hadronisation with the extremes of the underlying event. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 5, art. no. 299., Registrované v: WOS
6. [1.1] MEHDIABADI, S.P. - FAHIM, A. Explicit jet veto as a tool to purify the underlying event in the Drell-Yan process using CMS Open Data. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, SEP 2019, vol. 46, no. 9., Registrované v: WOS
7. [1.1] RABBERTZ, Klaus. Theoretical Framework. In JET PHYSICS AT THE LHC: THE STRONG FORCE BEYOND THE TEV SCALE. ISSN 0081-3869, 2017, vol. 268, pp. 3-60., Registrované v: WOS

ADCA1236 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. Upgrade of the ALICE Experiment Letter Of Intent. In *Journal of Physics G: Nuclear and particle physics*, 2014, vol. 41, no. 8, art. no. 087001. (2013: 2.838 - IF, Q2 - JCR, 2.163 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS). ISSN 0954-3899. Dostupné na: <https://doi.org/10.1088/0954-3899/41/8/087001>

Ohlasy:

1. [1.1] ADCOCK, Colin D. - MARTIN, Alan D. - SCHWENK, Achim. Celebrating 40 years of research in Journal of Physics G: Nuclear and Particle Physics. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 9, art. no. 094001., Registrované v: WOS
2. [1.1] CHEN, Jinhui - KEANE, Declan - MA, Yu-Gang - TANG,

Aihong - XU, Zhangbu. Antinuclei in heavy-ion collisions. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2018, vol. 760, pp. 1-39., Registrované v: WOS

3. [1.1] LANG, J. - PRASETYA, I.S.W.B. Model Checking a C plus plus Software Framework: A Case Study. In ESEC/FSE'2019: PROCEEDINGS OF THE 2019 27TH ACM JOINT MEETING ON EUROPEAN SOFTWARE ENGINEERING CONFERENCE AND SYMPOSIUM ON THE FOUNDATIONS OF SOFTWARE ENGINEERING. 2019, p. 1026-1036., Registrované v: WOS

4. [1.1] MATLOCHA, Tomas. Modification of a Classical Penning Ion Source Operating Mode for Sub-Femtoampere Beams at the U-120M Cyclotron. In PROCEEDINGS OF THE 17TH INTERNATIONAL CONFERENCE ON ION SOURCES. ISSN 0094-243X, 2018, vol. 2011, art. no. 050023., Registrované v: WOS

5. [1.1] SCHAUHMANN, M. - JOWETT, J.M. - CASTRO, C.B. - BRUCE, R. - LECHNER, A. - MERTENS, T. Bound-free pair production from nuclear collisions and the steady-state quench limit of the main dipole magnets of the CERN Large Hadron Collider. In PHYSICAL REVIEW ACCELERATORS AND BEAMS. ISSN 2469-9888, DEC 18 2020, vol. 23, no. 12., Registrované v: WOS

6. [1.1] SUMOWIDAGDO, Suharyo. Experimental study of matter under the influence non-abelian gauge theory. In CONFERENCE ON THEORETICAL PHYSICS AND NONLINEAR PHENOMENA 2016. ISSN 1742-6588, 2017, vol. 856, art. no. UNSP 012002., Registrované v: WOS

7. [1.1] WATANABE, Y. S. Experimental overview on EM observables. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 176-183., Registrované v: WOS

8. [1.1] WINN, Michael. Prospects for Quarkonium Measurements in p-A and A-A Collisions at the LHC. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2017, vol. 58, no. 2, art. no. UNSP 53., Registrované v: WOS

ADCA1237 ACHARYA, S. - ADAMOŤÁ, D. - ADLER, A. - ADOLFSSON, J. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Upsilon production in p-Pb collisions at root s(NN)=8.16 TeV. In *Physics Letters B : Nuclear, Elementary Particle and High-Energy Physics*, 2020, vol. 806, art. no. 135486. (2019: 4.384 - IF, Q1 - JCR, 1.795 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2020.135486>

Ohlasy:

1. [1.1] WOLSCHIN, G. Bottomonium spectroscopy in the quark-gluon plasma. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, OCT 20 2020, vol. 35, no. 29., Registrované v: WOS

ADCA1238 ACHARYA, S. - ACOSTA, F.T. - ADAMOŤÁ, D. - ADOLFSSON, J. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VALA, Martin. Upsilon suppression at forward rapidity in Pb-Pb collisions at root s(NN)=5.02 TeV. In *Physics Letters B*, 2019, vol. 790, p. 89-101. (2018: 4.162 - IF, Q2 - JCR, 1.806 - SJR, Q1 - SJR, Current Contents - CCC). (2019

- Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na:
<https://doi.org/10.1016/j.physletb.2018.11.067>

Ohlasy:

1. [1.1] CARIGNANO, S. - SOTO, J. Heavy quarkonium at finite temperature and chemical potential. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 30 2020, vol. 102, no. 11., Registrované v: WOS
2. [1.1] ISLAM, A. - STRICKLAND, M. Bottomonium suppression and elliptic flow from real-time quantum evolution. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS
3. [1.1] JIA, S. - ZHOU, X.Y. - SHEN, C.P. Experimental review of the $\gamma(1S, 2S, 3S)$ physics at $e(+)e(-)$ colliders and the LHC. In FRONTIERS OF PHYSICS. ISSN 2095-0462, AUG 8 2020, vol. 15, no. 6., Registrované v: WOS
4. [1.1] ROTHKOPF, A. Heavy quarkonium in extreme conditions. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, MAY 10 2020, vol. 858, p. 1-117., Registrované v: WOS
5. [1.1] WOLSCHIN, G. Aspects of Relativistic Heavy-Ion Collisions. In UNIVERSE. MAY 2020, vol. 6, no. 5., Registrované v: WOS
6. [1.1] WOLSCHIN, G. Bottomonium spectroscopy in the quark-gluon plasma. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, OCT 20 2020, vol. 35, no. 29., Registrované v: WOS

ADCA1239 ADAM, J. - ADAMOVIĆ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VALA, Martin. W and Z boson production in p-Pb collisions at TeV root $s(NN)=5.02$ TeV. In *Journal of High Energy Physics*, 2017, no. 2, art. no. 077. (2016: 6.063 - IF, Q1 - JCR, 1.163 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP02\(2017\)077](https://doi.org/10.1007/JHEP02(2017)077)

Ohlasy:

1. [1.1] CITRON, Zvi. Z Boson Production in 5.02 TeV pp, p plus Pb and Pb plus Pb Collisions with ATLAS. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 967, pp. 305-308., Registrované v: WOS
2. [1.1] DONG, Xin - LEE, Yen-Jie - RAPP, Ralf. Open Heavy-Flavor Production in Heavy-Ion Collisions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 69. ISSN 0163-8998, 2019, vol. 69, pp. 417-445., Registrované v: WOS
3. [1.1] DYNDAL, M. - GLAZOV, A. - LUSZCZAK, M. - SADYKOV, R. Probing the photonic content of the proton using photon-induced dilepton production in p plus Pb collisions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 11., Registrované v: WOS
4. [1.1] KUSINA, A. - JEZO, T. - CLARK, D.B. - DUWENTASTER, P. - GODAT, E. - HOBBS, T.J. - KENT, J. - KLASSEN, M. - KOVARIK, K. - LYONNET, F. - MUZAKKA, K.F. - OLNESS, F.I. - SCHIENBEIN, I. - YU, J.Y. Impact of LHC vector boson production in heavy ion collisions on strange PDFs. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, OCT 19 2020, vol. 80, no. 10., Registrované v: WOS

ADCA1240 AAD, G. - ABBOTT, B. - ABDALLAH, J. - ABDINOV, O. - ABEN, R. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC,

Pavol. Z boson production in p plus Pb collisions at root S-NN=5.02 TeV measured with the ATLAS detector. In *Physical Review C. Nuclear physics*, 2015, vol. 92, no. 4, art. no. 044915. (2014: 3.733 - IF, Q1 - JCR, 2.480 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.
Dostupné na: <https://doi.org/10.1103/PhysRevC.92.044915>

Ohlasy:

1. [1.1] ALEKHIN, S. I. - KULAGIN, S. A. - PETTI, R. Nuclear effects in the deuteron and constraints on the d/u ratio. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 054005., Registrované v: WOS
2. [1.1] ASCHENAUER, E. C. - FAZIO, S. - LAMONT, M. A. C. - PAUKKUNEN, H. - ZURITA, P. Nuclear structure functions at a future electron-ion collider. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 96, no. 11, art. no. 114005., Registrované v: WOS
3. [1.1] BASSO, Eduardo - GONCALVES, Victor P. - KRELINA, Michal - NEMCHIK, Jan - PASECHNIK, Roman. Nuclear effects in Drell-Yan pair production in high-energy pA collisions. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 93, no. 9, art. no. 094027., Registrované v: WOS
4. [1.1] DONG, X. - LEE, Y.J. - RAPP, R. Open Heavy-Flavor Production in Heavy-Ion Collisions. In *ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE*, VOL 69. ISSN 0163-8998, 2019, vol. 69, p. 417-445., Registrované v: WOS
5. [1.1] ESKOLA, Kari J. - PAAKKINEN, Petja - PAUKKUNEN, Hannu - SALGADO, Carlos A. EPPS16: nuclear parton distributions with LHC data. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2017, vol. 77, no. 3, art. no. 163., Registrované v: WOS
6. [1.1] ESKOLA, K.J. - HELENIUS, I. - KUHA, M. - PAUKKUNEN, H. Shadowing in Inelastic Nucleon-Nucleon Cross Section?. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, NOV 18 2020, vol. 125, no. 21., Registrované v: WOS
7. [1.1] KHALEK, R.A. - ETHIER, J.J. - ROJO, J. Nuclear parton distributions from lepton-nucleus scattering and the impact of an electron-ion collider. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, JUN 4 2019, vol. 79, no. 6., Registrované v: WOS
8. [1.1] KLEIN, S.R. - ROBERTSON, S.A. - VOGT, R. Nuclear effects in high-energy neutrino interactions. In *PHYSICAL REVIEW C*. ISSN 0556-2813, JUL 30 2020, vol. 102, no. 1., Registrované v: WOS
9. [1.1] KRELINA, M. - BASSO, E. - GONCALVES, V. P. - NEMCHIK, J. - PASECHNIK, R. Nuclear effects in Drell-Yan production at the LHC. In *XLV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2015)*. ISSN 2100-014X, 2016, vol. 120, art. no. 03007., Registrované v: WOS
10. [1.1] MA, G.Y. - DAI, W. - ZHANG, B.W. Probing cold nuclear matter effects with the productions of isolated-gamma and gamma plus jet in p plus Pb collisions at root s(NN)=8.16 TeV. In *CHINESE PHYSICS C*. ISSN 1674-1137, APR 2019, vol. 43, no. 4., Registrované v: WOS
11. [1.1] PAUKKUNEN, Hannu. Status of nuclear PDFs after the first LHC p-Pb run. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2017, vol. 967, pp. 241-248., Registrované v: WOS
12. [1.1] RU, Peng - KULAGIN, S. A. - PETTI, R. - ZHANG, Ben-Wei. Study of W-+/- and Z boson production in protonlead collisions at the LHC with

Kulagin-Petti nuclear parton distributions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 113013., Registrované v: WOS

13. [1.1] WALT, M. - HELENIUS, I. - VOGELSANG, W. Open-source QCD analysis of nuclear parton distribution functions at NLO and NNLO. In PHYSICAL REVIEW D. ISSN 2470-0010, NOV 22 2019, vol. 100, no. 9., Registrované v: WOS

14. [1.1] WATANABE, Y. S. Experimental overview on EM observables. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 956, pp. 176-183., Registrované v: WOS

ADCA1241 AAD, G. - ABBOTT, B. - ABBOTT, D.C. - ABED ABUD, A. - ABELING, K. - BRUNCKO, Dušan - MURÍN, Pavol - SMIEŠKO, Juraj - SOPKOVÁ, Filoména - STRÍŽENEC, Pavol - URBÁN, Jozef. Z boson production in Pb plus Pb collisions at root S-NN=5.02 TeV measured by the ATLAS experiment. In *Physics Letters B : Nuclear, Elementary Particle and High-Energy Physics*, 2020, vol. 802, art. no. 135262. (2019: 4.384 - IF, Q1 - JCR, 1.795 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2020.135262>

Ohlasy:

1. [1.1] ESKOLA, K.J. - HELENIUS, I. - KUHA, M. - PAUKKUNEN, H. Shadowing in Inelastic Nucleon-Nucleon Cross Section?. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, NOV 18 2020, vol. 125, no. 21., Registrované v: WOS

ADCA1242 AABOUD, M. - AAD, G. - ABBOTT, B. - ABDINOV, O. - ABELOOS, B. - BRUNCKO, Dušan - KLADIVA, Eduard - STRÍŽENEC, Pavol - URBÁN, Jozef. ZZ - l(+)l(-)l'(+)'(-) cross-section measurements and search for anomalous triple gauge couplings in 13 TeV pp collisions with the ATLAS detector. In *Physical Review D*, 2018, vol. 97, no. 3, art. no. 032005. (2017: 4.394 - IF, Q1 - JCR, 1.801 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.97.032005>

Ohlasy:

1. [1.1] ANSELMIS, D. On the nature of the Higgs boson. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, MAY 30 2019, vol. 34, no. 16., Registrované v: WOS

2. [1.1] BECHER, T. - HAGER, M. Event-based transverse momentum resummation. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, AUG 8 2019, vol. 79, no. 8., Registrované v: WOS

3. [1.1] CORBETT, Tyler - DOLAN, Matthew J. - ENGLERT, Christoph - NORDSTROM, Karl. Anomalous neutral gauge boson interactions and simplified models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 11, art. no. 115040., Registrované v: WOS

4. [1.1] DAS, D. Dominant production of heavier Higgs bosons through vector boson fusion in the NMSSM. In PHYSICAL REVIEW D. ISSN 2470-0010, MAY 24 2019, vol. 99, no. 9., Registrované v: WOS

5. [1.1] GRAZZINI, Massimiliano - KALLWEIT, Stefan - WIESEMANN, Marius. Fully differential NNLO computations with MATRIX. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 7, art. no. 537., Registrované v: WOS

6. [1.1] GRAZZINI, M. - KALLWEIT, S. - WIESEMANN, M. - YOOK, J.Y. ZZ production at the LHC: NLO QCD corrections to the loop-induced gluon fusion channel. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAR 13 2019, no. 3., Registrované v: WOS
7. [1.1] KALLWEIT, Stefan - WIESEMANN, Marius. ZZ production at the LHC: NNLO predictions for 2l2v and 4l signatures. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 786, pp. 382-389., Registrované v: WOS
8. [1.1] RAHAMAN, R. - SINGH, R.K. Anomalous triple gauge boson couplings in ZZ production at the LHC and the role of Z boson polarizations. In NUCLEAR PHYSICS B. ISSN 0550-3213, NOV 2019, vol. 948., Registrované v: WOS

ADCA1243 ACHARYA, S. - ADAMOVÁ, D. - ADLER, A. - ADOLFSSON, J. - AGGARWAL, M.M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - VAĽA, Martin. (Anti-)deuteron production in pp collisions at root s=13 TeV. In *European Physical Journal C*, 2020, vol. 80, no. 9, art. no. 889. (2019: 4.389 - IF, Q1 - JCR, 1.763 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1140/epjc/s10052-020-8256-4>

Ohlasy:

1. [1.1] SAMANTA, S. - GIACOSA, F. QFT treatment of a bound state in a thermal gas. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 31 2020, vol. 102, no. 11., Registrované v: WOS

ADCA1244 ABELEV, Betty - BÁN, Jaroslav - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - PASTIRČÁK, Blahoslav - ŠÁNDOR, Ladislav - VAĽA, Martin. (KsKs0)-K-0 correlations in pp collisions at root s=7 TeV from the LHC ALICE experiment. In *Physics Letters B*, 2012, vol. 717, no. 1-3, p. 151-161. (2011: 3.955 - IF, Q1 - JCR, 3.028 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2012.09.013>

Ohlasy:

1. [1.1] ACHASOV, N. N. - KISELEV, A. V. Light scalar mesons and two-kaon correlation functions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 036015., Registrované v: WOS
2. [1.1] MALECKI, B. Bose-Einstein Correlations in pp and pPb Collisions at LHCb. In UNIVERSE. ISSN 2218-1997, APR 2019, vol. 5, no. 4., Registrované v: WOS

ADCA1245 ADAM, J. - ADAMOVÁ, D. - AGGARWAL, M.M. - AGLIERI RINELLA, G. - AGNELLO, M. - KALIŇÁK, Peter - KRÁLIK, Ivan - KRIVDA, Marián - MUŠINSKÝ, Ján - ŠÁNDOR, Ladislav - VAĽA, Martin. (3)(Lambda)Hand (3)((Lambda)over-bar)(H)over-bar production in Pb-Pb collisions at root s(NN)=2.76 TeV. In *Physics Letters B*, 2016, vol. 754, p. 360-372. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2016.01.040>

Ohlasy:

1. [1.1] AICHELIN, J. - BRATKOVSKAYA, E. - LE FEVRE, A. - KIREYEU, V. - KOLESNIKOV, V. - LEIFELS, Y. - VORONYUK, V. - COCI,

- G. Parton-hadron-quantum-molecular dynamics: A novel microscopic n-body transport approach for heavy-ion collisions, dynamical cluster formation, and hypernuclei production. In PHYSICAL REVIEW C. ISSN 2469-9985, APR 24 2020, vol. 101, no. 4., Registrované v: WOS
2. [1.1] ALBA, P. - VOVCHENKO, V. - GORENSTEIN, M. - STOECKER, H. Flavor-dependent eigenvolume interactions in a hadron resonance gas. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 974, pp. 22-34., Registrované v: WOS
3. [1.1] BAZAK, Sylwia - MROWCZYNSKI, Stanislaw. He-4 versus Li-4 and production of light nuclei in relativistic heavy-ion collisions. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2018, vol. 33, no. 25, art. no. 1850142., Registrované v: WOS
4. [1.1] BAZAK, S. - MROWCZYNSKI, S. Production of Li-4 and p-He-3 correlation function in relativistic heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, JUL 28 2020, vol. 56, no. 7., Registrované v: WOS
5. [1.1] BISWAS, D. Formation of light nuclei at chemical freezeout: Description within a statistical thermal model. In PHYSICAL REVIEW C. ISSN 2469-9985, NOV 3 2020, vol. 102, no. 5., Registrované v: WOS
6. [1.1] CAI, Yiming - COHEN, Thomas D. - GELMAN, Boris A. - YAMAUCHI, Yukari. Yields of weakly bound light nuclei as a probe of the statistical hadronization model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2., Registrované v: WOS
7. [1.1] GAL, Avraham. Old & New in Strangeness Nuclear Physics. In 13TH INTERNATIONAL CONFERENCE ON HYPERNUCLEAR AND STRANGE PARTICLE PHYSICS (HYP2018). ISSN 0094-243X, 2019, vol. 2130., Registrované v: WOS
8. [1.1] GAL, A. Progress Report on Few-Body Hypernuclei. In PROCEEDINGS OF THE 15TH INTERNATIONAL CONFERENCE ON MESON-NUCLEON PHYSICS AND THE STRUCTURE OF THE NUCLEON. ISSN 0094-243X, 2020, vol. 2249., Registrované v: WOS
9. [1.1] GAL, A. - GARCILAZO, H. Towards resolving the H-3(Lambda) lifetime puzzle. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 791, pp. 48-53., Registrované v: WOS
10. [1.1] GOGAMI, T. - CHEN, C. - FUJII, Y. - HASHIMOTO, O. - KANETA, M. - KAWAMA, D. - MARUTA, T. - MATSUMURA, A. - NAGAO, S. - NAKAMURA, S. N. - OKAYASU, Y. - REINHOLD, J. - TANG, L. - TSUKADA, K. - WOOD, S. A. - YUAN, L. Experimental techniques and performance of Lambda-hypernuclear spectroscopy with the (e, e' K+) reaction. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2018, vol. 900, pp. 69-83., Registrované v: WOS
11. [1.1] GREENE, Chris H. - GIANNAKEAS, P. - PEREZ-RIOS, J. Universal few-body physics and cluster formation. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2017, vol. 89, no. 3, art. no. 035006., Registrované v: WOS
12. [1.1] HARADA, Tom - HIRABAYASHI, Yoshiharu. Production of a He-4(Lambda) hypernucleus in the He-4(pi, K) reactions reexamined. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2., Registrované

v: WOS

13. [1.1] HILDENBRAND, F. - HAMMER, H-W. Three-body hypernuclei in pionless effective field theory. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 3., Registrované v: WOS
14. [1.1] HILDENBRAND, F. - HAMMER, H.W. Lifetime of the hypertriton. In PHYSICAL REVIEW C. ISSN 2469-9985, DEC 8 2020, vol. 102, no. 6., Registrované v: WOS
15. [1.1] CHEN, Jinhui - KEANE, Declan - MA, Yu-Gang - TANG, Aihong - XU, Zhangbu. Antinuclei in heavy-ion collisions. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2018, vol. 760, pp. 1-39., Registrované v: WOS
16. [1.1] ITONAGA, Kazunori - MOTABA, Toshio - RIJKEN, Thomas A. Hypernuclear non-mesonic weak decays in the extended meson exchange model. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2018, no. 11, art. no. 113D01., Registrované v: WOS
17. [1.1] LE, H. - HAIDENBAUER, J. - MEISSNER, U.G. - NOGGA, A. Implications of an increased Lambda-separation energy of the hypertriton. In PHYSICS LETTERS B. ISSN 0370-2693, FEB 10 2020, vol. 801., Registrované v: WOS
18. [1.1] LIU, Peng - CHEN, Jinhui - KEANE, Declan - XU, Zhangbu - MA, Yu-Gang. Recalibration of the binding energy of hypernuclei measured in emulsion experiments and its implications. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 12., Registrované v: WOS
19. [1.1] MROWCZYNSKI, S. Production of light nuclei at colliders - coalescence vs. thermal model. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 22-23, p. 3559-3583., Registrované v: WOS
20. [1.1] NAKAMURA, Satoshi N. Spectroscopy of Electro-produced Hypernuclei at JLab. In 13TH INTERNATIONAL CONFERENCE ON HYPERNUCLEAR AND STRANGE PARTICLE PHYSICS (HYP2018). ISSN 0094-243X, 2019, vol. 2130., Registrované v: WOS
21. [1.1] OLSEN, Stephen Lars - SKWARNICKI, Tomasz - ZIEMINSKA, Daria. Nonstandard heavy mesons and baryons: Experimental evidence. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2018, vol. 90, no. 1, art. no. 015003., Registrované v: WOS
22. [1.1] PEREZ-OBOL, A. - GAZDA, D. - FRIEDMAN, E. - GAL, A. Revisiting the hypertriton lifetime puzzle. In PHYSICS LETTERS B. ISSN 0370-2693, DEC 10 2020, vol. 811., Registrované v: WOS
23. [1.1] RAGAB, N.A. - SHE, Z.L. - CHEN, G. Light (anti-)nuclei and (anti-)hypertriton production in pp collisions at $\sqrt{s}=0.90, 2.76$ and 7 TeV. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, SEP 17 2020, vol. 135, no. 9., Registrované v: WOS
24. [1.1] SAGUN, V. V. - BUGAEV, K. A. - IVANYTSKYI, A. I. - OLIINYCHENKO, D. R. - MISHUSTIN, I. N. Nuclear and hadron matter equation of state within the induced surface tension approach. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, art. no. 07022., Registrované v: WOS
25. [1.1] SAMANTA, Chhanda. Superheavy nuclei and hypernuclei: extending the limits of the nuclear chart. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731,

- 2019, vol. 322, no. 1, pp. 205-211., Registrované v: WOS
26. [1.1] SHAO, T.H. - CHEN, J.H. - KO, C.M. - SUN, K.J. - XU, Z.B. Yield ratio of hypertriton to light nuclei in heavy-ion collisions from root $s(NN)=4.9$ GeV to 2.76 TeV. In CHINESE PHYSICS C. ISSN 1674-1137, NOV 2020, vol. 44, no. 11., Registrované v: WOS
27. [1.1] SHURYAK, E. - TORRES-RINCON, J.M. Baryon preclustering at the freeze-out of heavy-ion collisions and light-nuclei production. In PHYSICAL REVIEW C. ISSN 2469-9985, MAR 23 2020, vol. 101, no. 3., Registrované v: WOS
28. [1.1] SUN, Kai-Jia - CHEN, Lie-Wen. Analytical coalescence formula for particle production in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 4, art. no. 044905., Registrované v: WOS
29. [1.1] VOVCHENKO, Volodymyr - GORENSTEIN, Mark - STOECKER, Horst. Finite resonance widths influence the thermal-model description of hadron yields. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, art. no. 034906., Registrované v: WOS
30. [1.1] VOVCHENKO, V. - GALLMEISTER, K. - SCHAFFNER-BIELICH, J. - GREINER, C. Nucleosynthesis in heavy-ion collisions at the LHC via the Saha equation. In PHYSICS LETTERS B. ISSN 0370-2693, JAN 10 2020, vol. 800., Registrované v: WOS
31. [1.1] VOYCHENKO, Volodymyr - STOECKER, Horst. Analysis of hadron yield data within hadron resonance gas model with multi-component eigenvolume corrections. In 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM2016). ISSN 1742-6588, 2017, vol. 779, art. no. 012078., Registrované v: WOS
32. [1.1] YAKOVENKO, N.S. - BUGAEV, K.A. - BRAVINA, L.V. - ZABRODIN, E.E. The concept of induced surface and curvature tensions for EoS of hard discs and hard spheres. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, DEC 2020, vol. 229, no. 22-23, p. 3445-3467., Registrované v: WOS
33. [1.1] YIN, Xuejiao - KO, Che Ming - SUN, Yifeng - ZHU, Lilin. Elliptic flow of light nuclei. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 5, art. no. 054913., Registrované v: WOS
34. [1.1] ZHANG, Zhen - KO, Che Ming. Hypertriton production in relativistic heavy ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 780, pp. 191-195., Registrované v: WOS
35. [1.1] ZHAO, Wenbin - ZHU, Lilin - ZHENG, Hua - KO, Che Ming - SONG, Huichao. Spectra and flow of light nuclei in relativistic heavy ion collisions at energies available at the BNL Relativistic Heavy Ion Collider and at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 5, art. no. 054905., Registrované v: WOS
36. [1.1] ZHU, Lilin - ZHENG, Hua - KO, Che Ming - SUN, Yifeng. Light nuclei production in Pb plus Pb collisions at root $s(NN)=2.76$ TeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 10, art. no. 175., Registrované v: WOS

ADCB01 AAD, G. - ANTOŠ, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol. Measurement of the inelastic proton-proton cross-section at root $s=7$ TeV with the ATLAS detector. In *Nature Communications*, 2011, vol. 2, no. 1, art. no. 463. (2010: Q4 - JCR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 2041-1723.
Dostupné na: <https://doi.org/10.1038/ncomms1472>

Ohlasy:

1. [1.1] APPLEBY, R. B. - BARLOW, R. J. - MOLSON, J. G. - SERLUCA, M. - TOADER, A. The practical Pomeron for high energy proton collimation. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2016, vol. 76, no. 10, art. no. 520., Registrované v: WOS
2. [1.1] BEGGIO, P. C. Inelastic cross sections, overlap functions and C-q moments from ISR to LHC energies in proton interactions. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*. ISSN 0954-3899, 2017, vol. 44, no. 2, art. no. 025002., Registrované v: WOS
3. [1.1] FAGUNDES, Daniel A. - GRAU, Agnes - PANCHERI, Giulia - SRIVASTAVA, Yogendra N. - SHEKHOVTSOVA, Olga. p air production cross-section and uncorrelated mini-jets processes in pp-scattering. In *XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014)*. ISSN 2100-014X, 2015, vol. 90, art. no. 03002., Registrované v: WOS
4. [1.1] FAGUNDES, Daniel A. - GRAU, Agnes - PANCHERI, Giulia - SHEKHOVTSOVA, Olga - SRIVASTAVA, Yogendra N. Inelastic cross section and survival probabilities at the LHC in minijet models. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 96, no. 5, art. no. 054010., Registrované v: WOS
5. [1.1] FAGUNDES, D. A. - GRAU, A. - PANCHERI, G. - SRIVASTAVA, Y. N. - SHEKHOVTSOVA, O. Soft edge of hadron scattering and minijet models for the total and inelastic pp cross sections at LHC and beyond. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2015, vol. 91, no. 11, art. no. 114011., Registrované v: WOS
6. [1.1] FENG, Jonathan L. - GALON, Ifrah - KLING, Felix - TROJANOWSKI, Sebastian. Forward Search Experiment at the LHC. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 035001., Registrované v: WOS
7. [1.1] GIUBEGA, L.E. Soft QCD and CEP at LHCb. In *XIII INTERNATIONAL CONFERENCE ON BEAUTY, CHARM AND HYPERON HADRONS (BEACH 2018)*. ISSN 1742-6588, 2019, vol. 1137., Registrované v: WOS
8. [1.1] GOTSMAN, Errol - LEVIN, Eugene - MAOR, Uri. A comprehensive model of soft interactions in the LHC era. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2015, vol. 30, no. 8, art. no. 1542005., Registrované v: WOS
9. [1.1] GOTSMAN, Errol. A Model for Soft Interactions based on the CGC/Saturation Approach and the BFKL Pomeron. In *5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS*. ISSN 2100-014X, 2017, vol. 164, art. no. 01002., Registrované v: WOS
10. [1.1] GOTSMAN, Errol. Soft Interactions at High Energies: Amplitudes and Cross-Sections. In *1ST INTERNATIONAL KAIDALOV WORKSHOP ON THE PHENOMENOLOGY OF HIGH ENERGY PARTICLE PHYSICS*. ISSN 1742-6588, 2015, vol. 607, art. no. 012008., Registrované v:

WOS

11. [1.1] GOTSMAN, E. - LEVIN, E. - MAOR, U. CGC/saturation approach for soft interactions at high energy: a two channel model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 5, art. no. 179., Registrované v: WOS
12. [1.1] GOTSMAN, E. - LEVIN, E. - MAOR, U. A model for strong interactions at high energy based on the CGC/saturation approach. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 1, art. no. 18., Registrované v: WOS
13. [1.1] GOTSMAN, E. - LEVIN, E. - MAOR, U. - TAPIA, S. CGC/saturation approach for high energy soft interactions: $\nu(2)$ in proton-proton collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 7, art. no. 074029., Registrované v: WOS
14. [1.1] GOTSMAN, E. - LEVIN, E. - MAOR, U. CGC/saturation approach for soft interactions at high energy: survival probability of central exclusive production. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 4, art. no. 177., Registrované v: WOS
15. [1.1] CHOUDHURY, D. K. - SAIKIA, Baishali. Froissart bound and self-similarity based models of proton structure functions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 8, art. no. 1850046., Registrované v: WOS
16. [1.1] JUNG, Hannes - VAN MECHELEN, Pierre. A Hadronic Collision. In STUDY OF DOUBLE PARTON SCATTERING USING FOUR-JET SCENARIOS: IN PROTON-PROTON COLLISIONS AT $(\text{SQUARE ROOT})S = 7$ TEV WITH THE CMS EXPERIMENT AT THE LHC. ISSN 2190-5053, 2016, pp. 29-52., Registrované v: WOS
17. [1.1] KENDI KOHARA, A. - FERREIRA, Erasmo - KODAMA, Takeshi. Elastic Amplitudes and Observables in pp Scattering. In DIFFRACTION 2014: INTERNATIONAL WORKSHOP ON DIFFRACTION IN HIGH-ENERGY PHYSICS. ISSN 0094-243X, 2015, vol. 1654, art. no. UNSP 050003., Registrované v: WOS
18. [1.1] LOIZIDES, Constantin - KAMIN, Jason - D'ENTERRIA, David. Improved Monte Carlo Glauber predictions at present and future nuclear colliders. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 5, art. no. 054910., Registrované v: WOS
19. [1.1] LOIZIDES, C. Glauber modeling of high-energy nuclear collisions at the subnucleon level. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, art. no. 024914., Registrované v: WOS
20. [1.1] MUKHAMEDSHIN, R.A. FANSY 2.0: A Monte Carlo tool for study of superhigh-energy cosmic-ray interactions Proton-proton interactions. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, NOV 2019, vol. 134, no. 11., Registrované v: WOS
21. [1.1] PANCHERI, Giulia - SRIVASTAVA, Yogendra N. Introduction to the physics of the total cross section at LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 3, art. no. 150., Registrované v: WOS
22. [1.1] RASMUSSEN, Christine O. - SJOSTRAND, Torbjorn. Models for total, elastic and diffractive cross sections. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 6, art. no. 461., Registrované v: WOS

23. [1.1] SAHOO, P. - PAREEK, P. - TIWARI, S.K. - SAHOO, R. Limiting fragmentation in high-energy nuclear collisions at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, APR 9 2019, vol. 99, no. 4., Registrované v: WOS
24. [1.1] SAMOKHIN, A. P. Correlations among elastic and inelastic cross-sections and slope parameter. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 786, pp. 100-105., Registrované v: WOS
25. [1.1] SIEVERT, M. - NORONHA-HOSTLER, J. CERN Large Hadron Collider system size scan predictions for PbPb, XeXe, ArAr, and OO with relativistic hydrodynamics. In PHYSICAL REVIEW C. ISSN 2469-9985, AUG 2 2019, vol. 100, no. 2., Registrované v: WOS
26. [1.1] TIWARI, Swatantra Kumar - SAHOO, Raghunath. Limiting fragmentation in a thermal model with flow. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 12, art. no. 365., Registrované v: WOS
27. [1.1] TRAINOR, Thomas A. Predicting minimum-bias trigger-associated dijet correlations in p-p collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 8, art. no. 085105., Registrované v: WOS
28. [1.1] TROSHIN, S. M. - TYURIN, N. E. Inelastic diffraction at the LHC. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, 2017, vol. 48, no. 2, pp. 237-242., Registrované v: WOS
29. [1.1] TYE, S.H. Henry - WONG, Sam S. C. Bloch wave function for the periodic sphaleron potential and unsuppressed baryon and lepton number violating processes. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 4, art. no. 045005., Registrované v: WOS
30. [1.1] VIDAL, X. Cid. QCD RESULTS IN THE FORWARD REGION (LHCb). In INTERNATIONAL MEETING: EXCITED QCD, 2016. ISSN 1899-2358, 2016, vol. 9, no. 3, pp. 433-439., Registrované v: WOS
31. [1.1] WINKLER, Martin Wolfgang. Cosmic ray antiprotons at high energies. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2017, no. 2, art. no. 048., Registrované v: WOS
32. [1.1] WOZNIAK, K.W. Recent minimum-bias measurements by ATLAS. In XX INTERNATIONAL SYMPOSIUM ON VERY HIGH ENERGY COSMIC RAY INTERACTIONS (ISVHECRI 2018). ISSN 2100-014X, 2019, vol. 208., Registrované v: WOS
33. [1.1] ZHOU, Qi-Dong - ITOW, Yoshitaka - MENJO, Hiroaki - SAKO, Takashi. Monte Carlo study of particle production in diffractive proton-proton collisions at $\sqrt{s}=13$ TeV with the very forward detector combined with central information. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 4, art. no. 212., Registrované v: WOS

ADCB02 AAD, G. - BRUNCKO, Dušan - GAŽO, Emil - FERENCÉI, Jozef - KLADIVA, Eduard - STRÍŽENEC, Pavol. The ATLAS Experiment at the CERN Large Hadron Collider. In *Journal of Instrumentation* [elektronický zdroj], 2008, vol. 3, p. S08003. (2007: 0.216 - SJR, Q3 - SJR, Current Contents - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 1748-0221. Dostupné na: <https://doi.org/10.1088/1748-0221/3/08/S08003>

Ohlasy:

1. [1.1] ADRIANI, O. - BERTI, E. - BONECHI, L. - BONGI, M. -

- D'ALESSANDRO, R. - DETTI, S. - HAGUENAUER, M. - ITOW, Y. - KASAHARA, K. - MENJO, H. - MURAKI, Y. - OHASHI, K. - PAPINI, P. - RICCIARINI, S. - SAKO, T. - SAKURAI, N. - SATO, K. - TAMURA, T. - TIBERIO, A. - TORII, S. - TRICOMI, A. - TURNER, W.C. - UENO, M. Measurement of energy flow, cross section and average inelasticity of forward neutrons produced in root s=13 TeV proton-proton collisions with the LHCf Arm2 detector. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUL 2 2020, no. 7., Registrované v: WOS
2. [1.1] AI, P.C. - WANG, D. - SUN, X.M. - HUANG, G.M. - LI, Z.L. A deep learning approach to multi-track location and orientation in gaseous drift chambers. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, DEC 21 2020, vol. 984., Registrované v: WOS
3. [1.1] ALBERGHI, G.L. Performance of the ATLAS RPC first level Muon trigger during the Run-2 data taking. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, JUN 2019, vol. 14., Registrované v: WOS
4. [1.1] ALBERGHI, G.L. Status of the present ATLAS RPC system and overview towards HL-LHC. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, OCT 2019, vol. 14., Registrované v: WOS
5. [1.1] ALEJO, A. - SAMARIN, G.M. - WARWICK, J. - MCCLUSKEY, C. - CANTONO, G. - CECCOTTI, T. - DUFRENOY, S.D. - MONOT, P. - SARRI, G. Non-invasive characterisation of a laser-driven positron beam. In PLASMA PHYSICS AND CONTROLLED FUSION. ISSN 0741-3335, MAY 2020, vol. 62, no. 5., Registrované v: WOS
6. [1.1] ALLAIRE, C. A High-Granularity Timing Detector in ATLAS: Performance at the HL-LHC. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, APR 21 2019, vol. 924, p. 355-359., Registrované v: WOS
7. [1.1] ALOK, A.K. - DIGHE, A. - GANGAL, S. - KUMAR, D. Continuing search for new physics in $b \rightarrow s \mu \mu$ decays: two operators at a time. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, JUN 18 2019, no. 6., Registrované v: WOS
8. [1.1] ALPIGIANI, C. Exploring the lifetime and cosmic frontier with the MATHUSLA detector. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, SEP 2020, vol. 15, no. 9., Registrované v: WOS
9. [1.1] ALPIGIANI, C. Explore the lifetime frontier with MATHUSLA. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, JUN 2020, vol. 15, no. 6., Registrované v: WOS
10. [1.1] ANELLI, C. Phase-II readout electronics upgrades of the ATLAS LAr calorimeter. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, AUG 21 2019, vol. 936, p. 274-277., Registrované v: WOS
11. [1.1] ANGELIDAKIS, S. ATLAS Tile Calorimeter upgrades for HL-LHC. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, AUG 21

2019, vol. 936, p. 110-111., Registrované v: WOS

12. [1.1] ANISENKOV, A. V. Role of the ATLAS Grid Information System (AGIS) in Distributed Data Analysis and Simulation. In OPTOELECTRONICS INSTRUMENTATION AND DATA PROCESSING. ISSN 8756-6990, 2018, vol. 54, no. 2, pp. 208-212., Registrované v: WOS

13. [1.1] ANTUSCH, S. - FISCHER, O. - HAMMAD, A. - SCHERB, C. Low scale type II seesaw: present constraints and prospects for displaced vertex searches. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, FEB 25 2019, no. 2., Registrované v: WOS

14. [1.1] AN, Mangmang - CHEN, Chufeng - GAO, Chaosong - HAN, Mikyung - JI, Rong - LI, Xiaoting - MEI, Yuan - SUN, Quan - SUN, Xiangming - WANG, Kai - XIAO, Le - YANG, Ping - ZHOU, Wei. A low-noise CMOS pixel direct charge sensor, Topmetal-II-. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2016, vol. 810, pp. 144-150., Registrované v: WOS

15. [1.1] ARCHILLI, F. - BETTLER, M.O. - OWEN, P. - PETRIDIS, K. A. Flavour-changing neutral currents making and breaking the standard model. In NATURE. ISSN 0028-0836, 2017, vol. 546, no. 7657, pp. 221-226., Registrované v: WOS

16. [1.1] ARLING, J.H. The ATLAS Strip Detector System for the High Luminosity LHC. In 2019 IEEE NUCLEAR SCIENCE SYMPOSIUM AND MEDICAL IMAGING CONFERENCE (NSS/MIC). ISSN 1095-7863, 2019., Registrované v: WOS

17. [1.1] ARMADANS, Roger Caminal. Searches for supersymmetry in resonance production and R-parity violating prompt signatures with the ATLAS and CMS detectors. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 618-624., Registrované v: WOS

18. [1.1] ARMADANS, Roger Caminal. Search for pair-produced third-generation squarks in compressed supersymmetric scenarios using monojet-like final states in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector at the LHC. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2016, vol. 273, pp. 2412-2414., Registrované v: WOS

19. [1.1] ATKIN, Ryan Justin. A Characterisation of the ATLAS ITk High Rapidity Modules in AllPix and EUTelescope. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP 2017. ISSN 1742-6588, 2017, vol. 889, art. no. UNSP 012017., Registrované v: WOS

20. [1.1] AVILA, C. - FLOREZ, A. - GURROLA, A. - DALE, J. - STARKO, S. Connecting particle physics and cosmology: Measuring the dark matter relic density in compressed supersymmetry models at the LHC. In PHYSICS OF THE DARK UNIVERSE. ISSN 2212-6864, JAN 2020, vol. 27., Registrované v: WOS

21. [1.1] AZZOPARDI, G. - SALVACHUA, B. - VALENTINO, G. - REDAELLI, S. - MUSCAT, A. Operational results on the fully automatic LHC collimator alignment. In PHYSICAL REVIEW ACCELERATORS AND BEAMS. ISSN 2469-9888, SEP 30 2019, vol. 22, no. 9., Registrované v: WOS

22. [1.1] BAESSO, P. - CUSSANS, D. - GOLDSTEIN, J. The AIDA-2020 TLU: a flexible trigger logic unit for test beam facilities. In

JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, SEP 2019, vol. 14.,
Registrované v: WOS

23. [1.1] BALAJI, Venkatramani - TAYLOR, Karl E. - JUCKES, Martin - LAWRENCE, Bryan N. - DURACK, Paul J. - LAUTENSCHLAGER, Michael - BLANTON, Chris - CINQUINI, Luca - DENVIL, Sebastien - ELKINGTONL, Mark - GUGLIELMO, Francesca - GUILYARDI, Eric - HASSE, David - KHARIN, Slava - KINDERMANN, Stefan - NIKONOV, Sergey - RADHAKRISHNAN, Aparna - STOCKHAUSE, Martina - WEIGEL, Tobias - WILLIAMS, Dean. Requirements for a global data infrastructure in support of CMIP6. In GEOSCIENTIFIC MODEL DEVELOPMENT. ISSN 1991-959X, 2018, vol. 11, no. 9, pp. 3659-3680., Registrované v: WOS

24. [1.1] BALBI, G. Operational Experience and Performance with the ATLAS Pixel detector at the Large Hadron Collider. In 2019 IEEE NUCLEAR SCIENCE SYMPOSIUM AND MEDICAL IMAGING CONFERENCE (NSS/MIC). ISSN 1095-7863, 2019., Registrované v: WOS

25. [1.1] BANSAL, S. - VAN HAEVERMAET, H. Forward physics results on jet production and energy flow at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, FEB 10 2020, vol. 35, no. 4., Registrované v: WOS

26. [1.1] BARNEY, D. Calorimetry in Particle Physics, and the CMS High-Granularity Calorimeter. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, JUL 2020, vol. 15, no. 7., Registrované v: WOS

27. [1.1] BARTSCHI, P. - GALLONI, C. - LANGE, C. - KILMINSTER, B. Reconstruction of tau lepton pair invariant mass using an artificial neural network. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, JUN 11 2019, vol. 929, p. 29-33., Registrované v: WOS

28. [1.1] BATTAGLIA, M. Searches for Physics Beyond the Standard Model with the ATLAS Betector at LHC. In PHYSICS OF PARTICLES AND NUCLEI LETTERS. ISSN 1547-4771, SEP 2019, vol. 16, no. 5, p. 458-462., Registrované v: WOS

29. [1.1] BECEIRO-NOVO, S. - AHN, T. - BAZIN, D. - MITTIG, W. Active targets for the study of nuclei far from stability. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2015, vol. 84, pp. 124-165., Registrované v: WOS

30. [1.1] BECK, H.C. Module development for the HL-LHC ATLAS ITk Pixel upgrade. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, DEC 2019, vol. 14., Registrované v: WOS

31. [1.1] BEHERA, A. MEASUREMENT OF LONG-RANGE AZIMUTHAL CORRELATIONS IN PROTON-PROTON AND PROTON-LEAD COLLISIONS WITH ATLAS. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, p. 247-252., Registrované v: WOS

32. [1.1] BENATO, L. - CONNOR, P.L.S. - KASIECZKA, G. - KRUCKER, D. - MEYER, M. Teaching machine learning with an application in collider particle physics. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, SEP 2020, vol. 15, no. 9., Registrované v: WOS

33. [1.1] BERLINGEN, J.M. The ATLAS trigger menu design for higher luminosities in Run 2. In 23RD INTERNATIONAL CONFERENCE ON

- COMPUTING IN HIGH ENERGY AND NUCLEAR PHYSICS (CHEP 2018).
ISSN 2100-014X, 2019, vol. 214., Registrované v: WOS
34. [1.1] BETTI, Alessandra. Performance study of MicroMegas chambers for the ATLAS muon spectrometer upgrade. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2017, vol. 40, no. 1, art. no. 75., Registrované v: WOS
35. [1.1] BIANCHINI, L. - ROLANDI, G. A critical point in the distribution of lepton energies from the decay of a spin-1 resonance. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, MAY 8 2019, no. 5., Registrované v: WOS
36. [1.1] BIELSKI, R. ATLAS High Level Trigger within the multi-threaded software framework AthenaMT. In 19TH INTERNATIONAL WORKSHOP ON ADVANCED COMPUTING AND ANALYSIS TECHNIQUES IN PHYSICS RESEARCH. ISSN 1742-6588, 2020, vol. 1525., Registrované v: WOS
37. [1.1] BIKARD, Michael - MURRAY, Fiona - GANS, Joshua S. Exploring Trade-offs in the Organization of Scientific Work: Collaboration and Scientific Reward. In MANAGEMENT SCIENCE. ISSN 0025-1909, 2015, vol. 61, no. 7, pp. 1473-1495., Registrované v: WOS
38. [1.1] BILKI, Burak. Identification of the hadronic interaction layer in a highly granular calorimeter by multivariate techniques. In TURKISH JOURNAL OF PHYSICS. ISSN 1300-0101, 2017, vol. 41, no. 3, pp. 262-268., Registrované v: WOS
39. [1.1] BIONDI, Silvia. Study of the associated production of the Higgs boson with a top quark pair in a boosted regime in the ATLAS experiment. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 11, art. no. 462., Registrované v: WOS
40. [1.1] BISANZ, T. Test-beam activities and results for the ATLAS ITk pixel detector. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2017, vol. 12, art. no. C12053., Registrované v: WOS
41. [1.1] BOGGIA, M. - CRUZ-MARTINEZ, J. M. - FRELLESVIG, H. - GLOVER, N. - GOMEZ-AMBROSIO, R. - GONELLA, G. - HADDAD, Y. - ILNICKA, A. - JONES, S. - KASSABOV, Z. - KRAUSS, F. - MEGY, T. - MELINI, D. - NAPOLETANO, D. - PASSARINO, G. - PATEL, S. - RODRIGUEZ-VAZQUEZ, M. - WOLF, T. The HiggsTools handbook: a beginners guide to decoding the Higgs sector. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 6, art. no. 065004., Registrované v: WOS
42. [1.1] BOUMEDIENE, D. ATLAS Tile calorimeter calibration and PMT response. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, APR 2020, vol. 15, no. 4., Registrované v: WOS
43. [1.1] BOVEIA, Antonio - DOGLIONI, Caterina. Dark Matter Searches at Colliders. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 68. ISSN 0163-8998, 2018, vol. 68, pp. 429-459., Registrované v: WOS
44. [1.1] BRANDT, Gerhard. Electroweak Physics at the LHC. In XXII DAE HIGH ENERGY PHYSICS SYMPOSIUM. ISSN 0930-8989, 2018, vol. 203, pp. 21-25., Registrované v: WOS
45. [1.1] BRANDT, G. Review of Current Standard Model Results from ATLAS. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2018, vol. 59, no. 6, art.

no. 128., Registrované v: WOS

46. [1.1] BRENDLINGER, Kurt. Alignment of the TRT. In PHYSICS WITH ELECTRONS IN THE ATLAS DETECTOR. ISSN 2190-5053, 2018, pp. 33-51., Registrované v: WOS

47. [1.1] BRENDLINGER, Kurt. Experimental Apparatus. In PHYSICS WITH ELECTRONS IN THE ATLAS DETECTOR. ISSN 2190-5053, 2018, pp. 15-31., Registrované v: WOS

48. [1.1] BRENDLINGER, Kurt. Electron Identification. In PHYSICS WITH ELECTRONS IN THE ATLAS DETECTOR. ISSN 2190-5053, 2018, pp. 53-99., Registrované v: WOS

49. [1.1] BRYNGEMARK, Lene Kristian. The Large Hadron Collider. In SEARCH FOR NEW PHENOMENA IN DIJET ANGULAR DISTRIBUTIONS AT (ROOT)S = 8 AND 13 TEV. ISSN 2190-5053, 2017, pp. 31-37., Registrované v: WOS

50. [1.1] BRYNGEMARK, Lene Kristian. The ATLAS Experiment. In SEARCH FOR NEW PHENOMENA IN DIJET ANGULAR DISTRIBUTIONS AT (ROOT)S = 8 AND 13 TEV. ISSN 2190-5053, 2017, pp. 39-49., Registrované v: WOS

51. [1.1] BRYNGEMARK, Lene Kristian. Calorimetry. In SEARCH FOR NEW PHENOMENA IN DIJET ANGULAR DISTRIBUTIONS AT (ROOT)S = 8 AND 13 TEV. ISSN 2190-5053, 2017, pp. 53-64., Registrované v: WOS

52. [1.1] CABRAS, G. Study of the modelling of W/Z. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, JUL-AUG 2019, vol. 42, no. 4., Registrované v: WOS

53. [1.1] CADAMURO, L. Higgs boson properties and decays, searches for high mass Higgs bosons, and Higgs boson pair production. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2018, vol. 41, no. 4, art. no. 157., Registrované v: WOS

54. [1.1] CAICEDO, Mario - CAMACHO, Reina - CORDERO, Fernando Febres - GARCIA, Francisco - HERNANDEZ, Hector - LOPEZ RODRIGUEZ, Jose Antonio - MANJARRES, Joany - MARTINEZ, Homero - MENDOZA, Claudio - MILLAN, Barbara - MONTANO, Jacobo - ALBERTO NUNEZ, Luis - OCARIZ, Jose - PAREDES, Daniela - ALEJANDRO PEREZ, Luis - RANGEL SMITH, Camila - SANCHEZ, Arturo - TORRES, Heberth. VIRTUAL RESEARCH AND LEARNING COMMUNITIES IN LATIN AMERICA: THE CEVALE2VE CASE. In INTERCIENCIA. ISSN 0378-1844, 2017, vol. 42, no. 11, pp. 733-738., Registrované v: WOS

55. [1.1] CALLEA, G. PROBING PERTURBATIVE QCD WITH THE ATLAS DETECTOR. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 4, p. 759-764., Registrované v: WOS

56. [1.1] CALLEA, G. RECENT TESTS OF QCD WITH THE ATLAS DETECTOR. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2020, vol. 13, no. 1, p. 9-15., Registrované v: WOS

57. [1.1] CALVO, J. - DE CASTRO, P. - GONZALEZ-PARDO, A.D. - GARCIA, M.F. - MOLL, M. - SENICA, U. - VILA, I. TRACS: A multi-thread transient current simulator for micro strips and pad detectors. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION

A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, FEB 11 2019, vol. 917, p. 77-85., Registrované v: WOS

58. [1.1] CARLE, A. - CHANON, N. - PERRIES, S. Prospects for Lorentz invariance violation searches with top pair production at the LHC and future hadron colliders. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, FEB 15 2020, vol. 80, no. 2., Registrované v: WOS

59. [1.1] CARRATTA, G. Search for Type-III SeeSaw heavy lepton with the ATLAS Detector at the LHC using root s=13 TeV up to 140 fb(-1). In 10TH YOUNG RESEARCHER MEETING. ISSN 1742-6588, 2020, vol. 1548., Registrované v: WOS

60. [1.1] CARRA, Sonia. Search for supersymmetric scalar leptons at the LHC Run 2 with the ATLAS detector. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2018, vol. 41, no. 1-2, art. no. 7., Registrované v: WOS

61. [1.1] CARRA, S. Search for electroweak production of supersymmetric particles at LHC Run 2 with the ATLAS detector. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, JUL-AUG 2019, vol. 42, no. 4., Registrované v: WOS

62. [1.1] CASSE, G. New trends in silicon detector technology. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, MAY 2020, vol. 15, no. 5., Registrované v: WOS

63. [1.1] CAVALLARI, F. High performance timing detectors for high energy physics experiments and new developments for the high luminosity LHC. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, MAR 2020, vol. 15, no. 3., Registrované v: WOS

64. [1.1] CIAVATTI, A. - SELLIN, P. J. - BASIRICO, L. - FRALEONI-MORGERA, A. - FRABONI, B. Charged-particle spectroscopy in organic semiconducting single crystals. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2016, vol. 108, no. 15, art. no. 153301., Registrované v: WOS

65. [1.1] COBAL, M. - DE DOMINICIS, C. - FABBRICHESI, M. - GABRIELLI, E. - MAGRO, J. - MELE, B. - PANIZZO, G. Z-boson decays into an invisible dark photon at the LHC, HL-LHC, and future lepton colliders. In PHYSICAL REVIEW D. ISSN 1550-7998, AUG 27 2020, vol. 102, no. 3., Registrované v: WOS

66. [1.1] COLEMAN, E. - FREYTSIS, M. - HINZMANN, A. - NARAIN, M. - THALER, J. - TRAN, N. - VERNIERI, C. The importance of calorimetry for highly-boosted jet substructure. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2018, vol. 13, art. no. T01003., Registrované v: WOS

67. [1.1] CONNORS, Megan - NATTRASS, Christine - REED, Rosi - SALUR, Sevil. Jet measurements in heavy ion physics. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2018, vol. 90, no. 2, art. no. 025005., Registrované v: WOS

68. [1.1] CREWE, T.L. - KENDAL, D. - CAMPBELL, H.A. Motivations and fears driving participation in collaborative research infrastructure for animal tracking. In PLOS ONE. ISSN 1932-6203, NOV 20 2020, vol. 15, no. 11., Registrované v: WOS

69. [1.1] CUTAS, Daniela - SHAW, David. Writers Blocked: On the Wrongs of Research Co-authorship and Some Possible Strategies for

- Improvement. In SCIENCE AND ENGINEERING ETHICS. ISSN 1353-3452, 2015, vol. 21, no. 5, pp. 1315-1329., Registrované v: WOS
70. [1.1] CVETIC, G. - DAS, A. - TAPIA, S. - ZAMORA-SAA, J. Measuring the heavy neutrino oscillations in rare W boson decays at the Large Hadron Collider. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, JAN 2020, vol. 47, no. 1., Registrované v: WOS
71. [1.1] DAVIGHI, Joe - HARRIS, Philip. Fractal based observables to probe jet substructure of quarks and gluons. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 334., Registrované v: WOS
72. [1.1] DE MONCHENAULT, Gautier Hamel. Electroweak Measurements at the LHC. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 67. ISSN 0163-8998, 2017, vol. 67, pp. 19-44., Registrované v: WOS
73. [1.1] DE MONCHENAULT, Gautier Hamel. Electroweak Measurements at the LHC. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 67. ISSN 0163-8998, 2017, vol. 67, pp. 19-44., Registrované v: WOS
74. [1.1] DI GREGORIO, G. Calibration and performance of the ATLAS Tile Calorimeter during the LHC Run 2. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, JUL-AUG 2019, vol. 42, no. 4., Registrované v: WOS
75. [1.1] DI GREGORIO, G. Measurement of the associated production of the Higgs boson with a vector boson in 13 TeV pp collisions with the ATLAS detector. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, JUL-OCT 2020, vol. 43, no. 4-5., Registrované v: WOS
76. [1.1] DI GREGORIO, G. Robustness studies of the photomultipliers reading out TileCal, the central hadron calorimeter of the ATLAS experiment. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, AUG 21 2019, vol. 936, p. 146-147., Registrované v: WOS
77. [1.1] DI LUZIO, L. - GIANNOTTI, M. - NARDI, E. - VISINELLI, L. The landscape of QCD axion models. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, JUL 25 2020, vol. 870, p. 1-117., Registrované v: WOS
78. [1.1] DI SIPIO, R. - GIANNELLI, M.F. - HAGHIGHAT, S.K. - PALAZZO, S. DijetGAN: a Generative-Adversarial Network approach for the simulation of QCD dijet events at the LHC. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, AUG 21 2019, no. 8., Registrované v: WOS
79. [1.1] DIB, C.O. - KIM, C.S. - ARAYA, S.T. Search for light sterile neutrinos from $W \rightarrow \nu \bar{\nu}$ decays at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 19 2020, vol. 101, no. 3., Registrované v: WOS
80. [1.1] DILSIZ, Kamuran - OGUL, Hasan. Forward-backward asymmetry of Drell-Yan lepton pairs at 14 TeV center-of-mass energy. In TURKISH JOURNAL OF PHYSICS. ISSN 1300-0101, 2018, vol. 42, no. 4, pp. 478-483., Registrované v: WOS
81. [1.1] DONDERO, Paolo. Light stop cornered. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909,

2016, vol. 39, no. 1, art. no. 208., Registrované v: WOS

82. [1.1] DORIGO, Tommaso. Hadron collider searches for diboson resonances. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 100, pp. 211-261., Registrované v: WOS

83. [1.1] DREES, M. - SHI, M. - ZHANG, Z.Y. Constraints on $U(1)_{L\mu-L\tau}$ from LHC data. In PHYSICS LETTERS B. ISSN 0370-2693, APR 10 2019, vol. 791, p. 130-136., Registrované v: WOS

84. [1.1] DUARTE, J. - HAN, S. - HARRIS, P. - JINDARIANI, S. - KREINAR, E. - KREIS, B. - NGADIUBA, J. - PIERINI, M. - RIVERA, R. - TRAN, N. - WU, Z. Fast inference of deep neural networks in FPGAs for particle physics. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2018, vol. 13, art. no. P07027., Registrované v: WOS

85. [1.1] DUARTE, J.P.B.S. - DE ANDRADE, L.M. - DE SIMAS, E.F. - FARIAS, P.C.M.A. - DE SEIXAS, J.M. Online energy reconstruction for calorimeters under high pile-up conditions using deconvolutional techniques. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, DEC 2019, vol. 14., Registrované v: WOS

86. [1.1] DUMITRIU, Ana Elena - GRECU, A. T. RIVET PLUG-IN FOR $Z(0) \rightarrow e^{(+)} e^{(-)}$ PRODUCTION CROSS-SECTION MEASUREMENT IN pp COLLISIONS AT $\sqrt{s}=7$ TeV. In ROMANIAN JOURNAL OF PHYSICS. ISSN 1221-146X, 2015, vol. 60, no. 3-4, pp. 415-428., Registrované v: WOS

87. [1.1] DURHAM, J. M. - POULSON, D. - BACON, J. - CHICHESTER, D. L. - GUARDINCERRI, E. - MORRIS, C. L. - PLAUD-RAMOS, K. - SCHWENDIMAN, W. - TOLMAN, J. D. - WINSTON, P. Verification of Spent Nuclear Fuel in Sealed Dry Storage Casks via Measurements of Cosmic-Ray Muon Scattering. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2018, vol. 9, no. 4, art. no. 044013., Registrované v: WOS

88. [1.1] DYNDAL, M. - SCHOEFFEL, L. FOUR-LEPTON PRODUCTION FROM PHOTON-INDUCED REACTIONS IN pp COLLISIONS AT THE LHC. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 6, pp. 1645-1654., Registrované v: WOS

89. [1.1] DZIEDZIC, B. Using ALFA Detectors for the LHC Beam Background Measurements. In PHOTONICS APPLICATIONS IN ASTRONOMY, COMMUNICATIONS, INDUSTRY, AND HIGH-ENERGY PHYSICS EXPERIMENTS 2019. ISSN 0277-786X, 2019, vol. 11176., Registrované v: WOS

90. [1.1] D'AMEN, G. Advancements in searches for third-generation supersymmetry using the ATLAS detector. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, JUL-AUG 2019, vol. 42, no. 4., Registrované v: WOS

91. [1.1] EDELEV, Alexei V. - SIDOROV, Ivan A. - FEOKTISTOV, Alexander G. Heterogeneous Distributed Computing Environment for Vulnerability Analysis of Energy Critical Infrastructures. In PROCEEDINGS OF THE VTH INTERNATIONAL WORKSHOP CRITICAL INFRASTRUCTURES: CONTINGENCY MANAGEMENT, INTELLIGENT, AGENT-BASED, CLOUD COMPUTING AND CYBER SECURITY (IWCI 2018). ISSN 1951-6851, 2018, vol. 158, pp. 37-42., Registrované v: WOS

92. [1.1] EGOROV, A.Y. - BERDNIKOV, Y.A. - BAKAEV, V.A. - NIKITTSINA, I.M. AN ANALYSIS OF UNFOLDING METHODS FOR

MEASUREMENT OF HADRON DIJET PRODUCTION CROSS SECTIONS.
In ST PETERSBURG POLYTECHNIC UNIVERSITY JOURNAL-PHYSICS
AND MATHEMATICS. ISSN 2405-7223, 2019, vol. 12, no. 3, p. 123-130.,
Registrované v: WOS

93. [1.1] ENE, A.C. - JIPA, A. - GIUBEGA, L.E. Study of Monte Carlo
event generators for proton-proton collisions at LHC energies in the forward
region. In CHINESE PHYSICS C. ISSN 1674-1137, AUG 2019, vol. 43, no. 8.,
Registrované v: WOS

94. [1.1] ERDMANN, J. A tagger for strange jets based on tracking
information using long short-term memory. In JOURNAL OF
INSTRUMENTATION. ISSN 1748-0221, JAN 2020, vol. 15, no. 1.,
Registrované v: WOS

95. [1.1] ERDMANN, J. Beyond Standard Model searches by ATLAS
and CMS. In 4TH INTERNATIONAL CONFERENCE ON PARTICLE
PHYSICS AND ASTROPHYSICS (ICPPA-2018). ISSN 1742-6588, 2019, vol.
1390., Registrované v: WOS

96. [1.1] ERLAND, P. On the Exclusive Jet Measurements at the LHC. In
PHOTONICS APPLICATIONS IN ASTRONOMY, COMMUNICATIONS,
INDUSTRY, AND HIGH-ENERGY PHYSICS EXPERIMENTS 2019. ISSN
0277-786X, 2019, vol. 11176., Registrované v: WOS

97. [1.1] ERMOLINE, Y. The Phase-I upgrade of the ATLAS Level-1
calorimeter trigger. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221,
JUN 2020, vol. 15, no. 6., Registrované v: WOS

98. [1.1] FALKE, S. Measurement of differential cross sections in Higgs
boson decays to bosons using the ATLAS detector. In NUCLEAR AND
PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, JAN-MAR 2020, vol.
309, p. 31-36., Registrované v: WOS

99. [1.1] FALTOVA, J. Design and performance studies of a hadronic
calorimeter for a FCC-hh experiment. In JOURNAL OF INSTRUMENTATION.
ISSN 1748-0221, 2018, vol. 13, art. no. C03016., Registrované v: WOS

100. [1.1] FENG, Jonathan L. - GALON, Iftah - KLING, Felix -
TROJANOWSKI, Sebastian. Axionlike particles at FASER: The LHC as a
photon beam dump. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98,
no. 5, art. no. 055021., Registrované v: WOS

101. [1.1] FENG, Jonathan L. - GALON, Iftah - KLING, Felix -
TROJANOWSKI, Sebastian. ForwArD Search ExpeRiment at the LHC. In
PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, art. no. 035001.,
Registrované v: WOS

102. [1.1] FERNANDEZ, J. P. - FLORES-CASTILLO, L. R.
Experimental insight into b-hadron lifetimes. In PROGRESS IN PARTICLE
AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 86, pp. 1-34.,
Registrované v: WOS

103. [1.1] FISCHER, M. - KUEHN, E. - SCHNEPF, M. - PETZOLD, A. -
HEISS, A. Adoption of ARC-CE and HTCondor at GridKa Tier 1. In 23RD
INTERNATIONAL CONFERENCE ON COMPUTING IN HIGH ENERGY
AND NUCLEAR PHYSICS (CHEP 2018). ISSN 2100-014X, 2019, vol. 214.,
Registrované v: WOS

104. [1.1] FLOREZ, Andres - BRAVO, Luis - GURROLA, Alfredo -
AVILA, Carlos - SEGURA, Manuel - SHELDON, Paul - JOHNS, Will. Probing
the stau-neutralino coannihilation region at the LHC with a soft tau lepton and a

- jet from initial state radiation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, art. no. 073007., Registrované v: WOS
105. [1.1] FLOREZ, Andres - GUI, Kaiwen - GURROLA, Alfredo - PATINO, Carlos - RESTREPO, Diego. Expanding the reach of heavy neutrino searches at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 778, pp. 94-100., Registrované v: WOS
106. [1.1] FLOREZ, Andres - GURROLA, Alfredo - JOHNS, Will - DO OH, Young - SHELDON, Paul - TEAGUE, Dylan - WEILER, Thomas. Searching for new heavy neutral gauge bosons using vector boson fusion processes at the LHC. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 767, pp. 126-132., Registrované v: WOS
107. [1.1] FLOREZ, A. - GUO, Y.H. - GURROLA, A. - JOHNS, W. - RAY, O. - SHELDON, P. - STARKO, S. Probing heavy spin-2 bosons with gamma gamma final states from vector boson fusion processes at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, FEB 22 2019, vol. 99, no. 3., Registrované v: WOS
108. [1.1] FOLLEGA, F.M. - RICCI, E. - IUPPA, R. Updates on long-term alignment monitoring and diagnostics for ATLAS ID misalignments. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, JUL-AUG 2019, vol. 42, no. 4., Registrované v: WOS
109. [1.1] FORTE, S. - LEVY, A. - RIDOLFI, G. From My Vast Repertoire ... Guido Altarelli's Legacy Preface. In FROM MY VAST REPERTOIRE ... : GUIDO ALTARELLI'S LEGACY. 2019, p. V-+., Registrované v: WOS
110. [1.1] FRATTARI, G. Search for dark matter in events with missing transverse momentum and hadronic jets with the ATLAS experiment at the LHC and HL-LHC. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, MAR-JUN 2020, vol. 43, no. 2-3., Registrované v: WOS
111. [1.1] FREEMAN, P.M. MALTA: a Monolithic Active Pixel Sensor for tracking in ATLAS. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, MAR 2020, vol. 15, no. 3., Registrované v: WOS
112. [1.1] FREUND, W.S. An Ensemble of Neural Networks for Online Electron Filtering at the ATLAS Experiment. In 19TH INTERNATIONAL WORKSHOP ON ADVANCED COMPUTING AND ANALYSIS TECHNIQUES IN PHYSICS RESEARCH. ISSN 1742-6588, 2020, vol. 1525., Registrované v: WOS
113. [1.1] FRONTINI, Luca - LIBERALI, Valentino - STABILE, Alberto. A Very Compact Population Count Circuit for Associative Memories. In 2018 7TH INTERNATIONAL CONFERENCE ON MODERN CIRCUITS AND SYSTEMS TECHNOLOGIES (MOCASST), 2018., Registrované v: WOS
114. [1.1] FUKUDA, Hajime - NAGATA, Natsumi - OTONO, Hidetoshi - SHIRAI, Satoshi. Higgsino dark matter or not: Role of disappearing track searches at the LHC and future colliders. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 781, pp. 306-311., Registrované v: WOS
115. [1.1] GABRIELLI, A. - ALFONSI, F. - BALBI, G. - D'AMEN, G. - FALCHIERI, D. - GIANGIACOMI, N. - TRAVAGLINI, R. A multi-channel PCI express readout board for fast readout of large pixel detectors. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED

- EQUIPMENT. ISSN 0168-9002, APR 21 2019, vol. 924, p. 279-281.,
Registrované v: WOS
116. [1.1] GARCIA, L.C. A High-Granularity Timing Detector for the Phase-II upgrade of the ATLAS Calorimeter system: detector concept, description, R&D and beam test results. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, SEP 2020, vol. 15, no. 9.,
Registrované v: WOS
117. [1.1] GASPAR, P. Towards the Increase in Granularity for the Main Hadronic ATLAS Calorimeter: Exploiting Deep Learning Methods. In 19TH INTERNATIONAL WORKSHOP ON ADVANCED COMPUTING AND ANALYSIS TECHNIQUES IN PHYSICS RESEARCH. ISSN 1742-6588, 2020, vol. 1525., Registrované v: WOS
118. [1.1] GERLACH, L. EXPERIMENTAL RESULTS IN THE EXTENDED HIGGS SECTOR. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2020, vol. 51, no. 6, p. 1333-1343., Registrované v: WOS
119. [1.1] GERSHON, Timothy - NEEDHAM, Matthew. Heavy flavour physics at the LHC. In COMPTES RENDUS PHYSIQUE. ISSN 1631-0705, 2015, vol. 16, no. 4, pp. 435-447., Registrované v: WOS
120. [1.1] GHOSH, A. Deep generative models for fast shower simulation in ATLAS. In 19TH INTERNATIONAL WORKSHOP ON ADVANCED COMPUTING AND ANALYSIS TECHNIQUES IN PHYSICS RESEARCH. ISSN 1742-6588, 2020, vol. 1525., Registrované v: WOS
121. [1.1] GIANGIACOMI, Nico - BALBI, Gabriele - DAMILANO, Alessia - FALCHIERI, Davide - GABRIELLI, Alessandro - LAMA, Luca - TRAVAGLINI, Riccardo. New Updates on the ATLAS ROD Board Implementation for Pixel Layers 1 and 2. In IEEE TRANSACTIONS ON NUCLEAR SCIENCE. ISSN 0018-9499, 2018, vol. 65, no. 8, pp. 2338-2343.,
Registrované v: WOS
122. [1.1] GIUBELLINO, Paolo. Highlights from ALICE. In FUTURE OF OUR PHYSICS INCLUDING NEW FRONTIERS, 2017, vol. 53., Registrované v: WOS
123. [1.1] GIUGLIARELLI, G. Modeling of radiation damage effects and digitization for 3D silicon pixel ATLAS detectors. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, APR 21 2019, vol. 924, p. 208-213.,
Registrované v: WOS
124. [1.1] GNESI, I. Micromegas chambers for the ATLAS New Small Wheel upgrade. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, SEP 2020, vol. 15, no. 9., Registrované v: WOS
125. [1.1] GOLOLO, M.G.D. Performance for the ATLAS Tile Calorimeter. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, AUG 2020, vol. 15, no. 8., Registrované v: WOS
126. [1.1] GONCALVES, D.O. Energy reconstruction of the ATLAS Tile Calorimeter under high pile-up conditions using the Wiener filter. In 19TH INTERNATIONAL WORKSHOP ON ADVANCED COMPUTING AND ANALYSIS TECHNIQUES IN PHYSICS RESEARCH. ISSN 1742-6588, 2020, vol. 1525., Registrované v: WOS
127. [1.1] GOUVEIA, E. Triggering on hadronic signatures in the ATLAS experiment - Developments for 2017 and 2018. In 23RD INTERNATIONAL

CONFERENCE ON COMPUTING IN HIGH ENERGY AND NUCLEAR PHYSICS (CHEP 2018). ISSN 2100-014X, 2019, vol. 214., Registrované v: WOS

128. [1.1] GRAVILI, F.G. Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, MAR-JUN 2020, vol. 43, no. 2-3., Registrované v: WOS

129. [1.1] GRUMMER, A. Operational experience with and performance of the ATLAS Pixel Detector at the Large Hadron Collider. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, AUG 21 2019, vol. 936, p. 684-685., Registrované v: WOS

130. [1.1] GUESCINI, F. Searches for new phenomena with the ATLAS detector. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, DEC 20 2020, vol. 35, no. 34-35, SI., Registrované v: WOS

131. [1.1] GUEST, Daniel - COLLADO, Julian - BALDI, Pierre - HSU, Shih-Chieh - URBAN, Gregor - WHITESON, Daniel. Jet flavor classification in high-energy physics with deep neural networks. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, art. no. 112002., Registrované v: WOS

132. [1.1] HAYASHIDA, S. The ATLAS Muon Trigger. In 23RD INTERNATIONAL CONFERENCE ON COMPUTING IN HIGH ENERGY AND NUCLEAR PHYSICS (CHEP 2018). ISSN 2100-014X, 2019, vol. 214., Registrované v: WOS

133. [1.1] HERNANDEZ, E.G. - ARTEAGA, J.C. - TELLEZ, A.F. - RODRIGUEZ-CAHUANTZI, M. Cosmic-Ray Studies with Experimental Apparatus at LHC. In SYMMETRY-BASEL. OCT 2020, vol. 12, no. 10., Registrované v: WOS

134. [1.1] HILDEBRAND, K. Upgrade of the ATLAS Hadronic Tile Calorimeter for the High Luminosity LHC. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2017, vol. 40, no. 6, art. no. 197., Registrované v: WOS

135. [1.1] HLALUKU, Dingane Reward. Tests with beam setup of the TileCal phase-II upgrade electronics. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP 2017. ISSN 1742-6588, 2017, vol. 889, art. no. UNSP 012005., Registrované v: WOS

136. [1.1] CHABERT, Eric. Results on top-quark physics and top-quark-like signatures by CMS. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC. ISSN 1742-6588, 2017, vol. 878, art. no. UNSP 012009., Registrované v: WOS

137. [1.1] CHECCHIA, Paolo. Implications of a 125 GeV Higgs boson. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 7, art. no. 1530003., Registrované v: WOS

138. [1.1] CHENG, Yangyang. Dark Matter plus Higgs($\rightarrow b\bar{b}$): Z'-2HDM Simplified Model. In SEARCH FOR DARK MATTER PRODUCED IN ASSOCIATION WITH A HIGGS BOSON DECAYING TO TWO BOTTOM QUARKS AT ATLAS. ISSN 2190-5053, 2017, pp. 55-65., Registrované v: WOS

139. [1.1] CHENG, Yangyang. The ATLAS Experiment at the Large Hadron Collider. In SEARCH FOR DARK MATTER PRODUCED IN ASSOCIATION WITH A HIGGS BOSON DECAYING TO TWO BOTTOM QUARKS AT ATLAS. ISSN 2190-5053, 2017, pp. 25-39., Registrované v: WOS
140. [1.1] CHEN, Y.H. Searches for new resonances decaying to heavy-flavour quarks with the ATLAS detector at $\sqrt{s}=13$ TeV. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, JAN-MAR 2020, vol. 309, p. 55-62., Registrované v: WOS
141. [1.1] CHEREMUSHKINA, E. Semileptonic (lepton, neutrino and jets) WW/WZ resonances searches at $\sqrt{s}=8$ and 13 TeV with the ATLAS detector at the LHC. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, 2017, vol. 48, no. 5, pp. 752-754., Registrované v: WOS
142. [1.1] CHWASTOWSKI, Janusz J. - CZEKIERDA, Sabina - STASZEWSKI, Rafal - TRZEBINSKI, Maciej. Diffractive bremsstrahlung at high-beta(star) LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 4, art. no. 216., Registrované v: WOS
143. [1.1] JAKOUBEK, T. Measurement of CP violation and mixing in $B\text{-}s(0) \rightarrow J/\psi \phi$ in ATLAS. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, JAN-MAR 2020, vol. 309, p. 148-151., Registrované v: WOS
144. [1.1] JANUS, P. Measurement of electroweak boson production in pp, p plus Pb and Pb plus Pb collisions with the ATLAS detector. In 4TH INTERNATIONAL CONFERENCE ON PARTICLE PHYSICS AND ASTROPHYSICS (ICPPA-2018). ISSN 1742-6588, 2019, vol. 1390., Registrované v: WOS
145. [1.1] JHA, Shantenu - KATZ, Daniel S. - LUCKOW, Andre - HONG, Neil Chue - RANA, Omer - SIMMHAN, Yogesh. Introducing distributed dynamic data-intensive (D3) science: Understanding applications and infrastructure. In CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE. ISSN 1532-0626, 2017, vol. 29, no. 8, art. no. e4032., Registrované v: WOS
146. [1.1] JIA, S. - ZHOU, X.Y. - SHEN, C.P. Experimental review of the gamma(1S, 2S, 3S) physics at $e(+)e(-)$ colliders and the LHC. In FRONTIERS OF PHYSICS. ISSN 2095-0462, AUG 8 2020, vol. 15, no. 6., Registrované v: WOS
147. [1.1] JONES, S.D. The ATLAS Electron and Photon Trigger. In 18TH INTERNATIONAL CONFERENCE ON CALORIMETRY IN PARTICLE PHYSICS (CALOR2018). ISSN 1742-6588, 2019, vol. 1162., Registrované v: WOS
148. [1.1] JUNG, Hannes - VAN MECHELEN, Pierre. The CERN Large Hadron Collider and the Compact Muon Solenoid Experiment. In STUDY OF DOUBLE PARTON SCATTERING USING FOUR-JET SCENARIOS: IN PROTON-PROTON COLLISIONS AT $(\text{SQUARE ROOT})S = 7$ TEV WITH THE CMS EXPERIMENT AT THE LHC. ISSN 2190-5053, 2016, pp. 53-72., Registrované v: WOS
149. [1.1] KARACA, Koray. Lessons from the Large Hadron Collider for model-based experimentation: the concept of a model of data acquisition and the scope of the hierarchy of models. In SYNTHESIS. ISSN 0039-7857, 2018, vol. 195, no. 12, pp. 5431-5452., Registrované v: WOS
150. [1.1] KHAN, R. Forward neutron energy spectra at $\sqrt{s}=7$ TeV. In

- INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, JUL 2020, vol. 29, no. 7., Registrované v: WOS
151. [1.1] KHAN, R. - AJAZ, M. - ALI, Y. - YOUNIS, H. - KHAN, G. - WAZIR, Z. - ZAMAN, A. - KHAN, A. Model Predictions of Charged-Particle Azimuthal Distributions and Forward-Backward Correlations in pp Interactions at root $s=900$ GeV. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, OCT 2019, vol. 71, no. 10, p. 1172-1178., Registrované v: WOS
152. [1.1] KHLOPOV, M.Y. Direct and Indirect Probes for Composite Dark Matter. In FRONTIERS IN PHYSICS. ISSN 2296-424X, JAN 29 2019, vol. 7., Registrované v: WOS
153. [1.1] KHLOPOV, M.Y. Removing the conspiracy of BSM physics and BSM cosmology. In INTERNATIONAL JOURNAL OF MODERN PHYSICS D. ISSN 0218-2718, OCT 2019, vol. 28, no. 13, SI., Registrované v: WOS
154. [1.1] KLIMEK, P. Calibration and performance of the ATLAS Tile Calorimeter during the LHC Run 2. In 18TH INTERNATIONAL CONFERENCE ON CALORIMETRY IN PARTICLE PHYSICS (CALOR2018). ISSN 1742-6588, 2019, vol. 1162., Registrované v: WOS
155. [1.1] KLIMEK, P. Performance of the ATLAS Tile Calorimeter in LHC Run-2. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, APR 2020, vol. 15, no. 4., Registrované v: WOS
156. [1.1] KOEHLER-LANGES, Florian. The Electron Mass and Calcium Isotope Shifts High-Precision Measurements of Bound-Electron g-Factors of Highly Charged Ions Introduction. In ELECTRON MASS AND CALCIUM ISOTOPE SHIFTS: HIGH-PRECISION MEASUREMENTS OF BOUND-ELECTRON G-FACTORS OF HIGHLY CHARGED IONS. ISSN 2190-5053, 2017, pp. 1-4., Registrované v: WOS
157. [1.1] KOTWAL, Ashutosh V. - RAMSEY-MUSOLF, Michael J. - NO, Jose Miguel - WINSLOW, Peter. Singlet-catalyzed electroweak phase transitions in the 100 TeV frontier. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, art. no. 035022., Registrované v: WOS
158. [1.1] KOTWAL, A.V. A fast method for particle tracking and triggering using small-radius silicon detectors. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, MAR 21 2020, vol. 957., Registrované v: WOS
159. [1.1] KOUTSOYIANNIS, Demetris - BLOESCHL, Guenter - BARDOSSY, Andras - CUDENNEC, Christophe - HUGHES, Denis - MONTANARI, Alberto - NEUWEILER, Insa - SAVENIJE, Hubert. Joint editorial Fostering innovation and improving impact assessment for journal publications in hydrology. In JOURNAL OF HYDROLOGY. ISSN 0022-1694, 2016, vol. 537, pp. A1-A4., Registrované v: WOS
160. [1.1] KOUTSOYIANNIS, Demetris - BARDOSSY, Andras - CUDENNEC, Christophe - HUGHES, Denis - MONTANARI, Alberto - NEUWEILER, Insa - SAVENIJE, Hubert. Joint editorial-Fostering innovation and improving impact assessment for journal publications in hydrology. In JOURNAL OF HYDROLOGY-REGIONAL STUDIES. ISSN 2214-5818, 2016, vol. 6, pp. 112-115., Registrované v: WOS
161. [1.1] KOUTSOYIANNIS, Demetris - BLOESCHL, Gunter -

BARDOSSY, Andras - CUDENNEC, Christophe - HUGHES, Denis - MONTANARI, Alberto - NEUWEILER, Insa - SAVENIJE, Hubert. Joint Editorial-Fostering Innovation and Improving Impact Assessment for Journal Publications in Hydrology. In VADOSE ZONE JOURNAL. ISSN 1539-1663, 2016, vol. 15, no. 4., Registrované v: WOS

162. [1.1] KOUTSOYIANNIS, Demetris - BLOESCHL, Guenter - BARDOSSY, Andras - CUDENNEC, Christophe - HUGHES, Denis - MONTANARI, Alberto - NEUWEILER, Insa - SAVENIJE, Hubert. Joint editorial: Fostering innovation and improving impact assessment for journal publications in hydrology. In WATER RESOURCES RESEARCH. ISSN 0043-1397, 2016, vol. 52, no. 4, pp. 2399-2402., Registrované v: WOS

163. [1.1] KOUTSOYIANNIS, Demetris - BLOESCHL, Gunter - BARDOSSY, Andras - CUDENNEC, Christophe - HUGHES, Denis - MONTANARI, Alberto - NEUWEILER, Insa - SAVENIJE, Hubert. Joint editorial Fostering innovation and improving impact assessment for journal publications in hydrology. In HYDROLOGICAL SCIENCES JOURNAL-JOURNAL DES SCIENCES HYDROLOGIQUES. ISSN 0262-6667, 2016, vol. 61, no. 7, pp. 1170-1173., Registrované v: WOS

164. [1.1] KOUTSOYIANNIS, Demetris - BLOESCHL, Gunter - BARDOSSY, Andras - CUDENNEC, Christophe - HUGHES, Denis - MONTANARI, Alberto - NEUWEILER, Insa - SAVENIJE, Hubert. Joint Editorial: Fostering innovation and improving impact assessment for journal publications in hydrology. In HYDROLOGY AND EARTH SYSTEM SCIENCES. ISSN 1027-5606, 2016, vol. 20, no. 3, pp. 1081-1084., Registrované v: WOS

165. [1.1] KRASNOPEVTSEV, D. Studies of the gas volume current density in the ATLAS Resistive Plate Chamber detector during the 2018 data-taking at the LHC. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, OCT 2020, vol. 15, no. 10., Registrované v: WOS

166. [1.1] KREMER, J. Measurements of quarkonia and open heavy-flavour production in heavy-ion collisions with the ATLAS detector. In 4TH INTERNATIONAL CONFERENCE ON PARTICLE PHYSICS AND ASTROPHYSICS (ICPPA-2018). ISSN 1742-6588, 2019, vol. 1390., Registrované v: WOS

167. [1.1] KREMER, J. RESULTS ON RESONANCE PRODUCTION IN HEAVY-ION COLLISIONS FROM THE ATLAS EXPERIMENT AT THE LHC. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, p. 295-300., Registrované v: WOS

168. [1.1] KROFCHECK, D. Heavy Ion Results from ATLAS and CMS. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2018). ISSN 1742-6588, 2019, vol. 1271., Registrované v: WOS

169. [1.1] KRZYSIAK, J. SEARCHING FOR BSM HIGGS AND GAUGE BOSONS DECAYING TO TWO TAU LEPTONS USING 36 fb(-1) OF DATA COLLECTED AT $\sqrt{s}=13$ TeV WITH THE ATLAS DETECTOR. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2020, vol. 51, no. 6, p. 1405-1410., Registrované v: WOS

170. [1.1] KUEHN, S. Results of prototyping for the Phase-II upgrade of the pixel detector of the ATLAS experiment. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, APR 2019, vol. 14., Registrované v: WOS

171. [1.1] KUMARI, Priyanka - KALSI, Amandeep Kaur - DHINGRA, Nitish - BHATNAGAR, Vipin - SINGH, J. B. Search for Supersymmetry in Vector Boson Fusion Topology Using Proton-Proton Collision Data at the LHC. In XXII DAE HIGH ENERGY PHYSICS SYMPOSIUM. ISSN 0930-8989, 2018, vol. 203, pp. 175-178., Registrované v: WOS
172. [1.1] KUROVA, A. S. - SOLDATOV, E. Yu. Probing of Z gamma gamma production sensitivity to anomalous quartic gauge couplings at LHC experiments with $\sqrt{s}=13$ TeV. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2017, vol. 80, no. 4, pp. 725-729., Registrované v: WOS
173. [1.1] LA ROSA, A. The CMS Outer Tracker for the High Luminosity LHC upgrade. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, FEB 2020, vol. 15, no. 2., Registrované v: WOS
174. [1.1] LA RUFFA, F. Measurements of top-quark pair differential cross-sections using the ATLAS detector at LHC. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, JUL-AUG 2019, vol. 42, no. 4., Registrované v: WOS
175. [1.1] LAPERTOSA, A. The ATLAS tracking system for HL-LHC. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, MAR-JUN 2020, vol. 43, no. 2-3., Registrované v: WOS
176. [1.1] LARA, Inaki - LOPEZ-FOGLIANI, Daniel E. - MUNOZ, Carlos - NAGATA, Natsumi - OTONO, Hidetoshi - RUIZ DE AUSTRI, Roberto. Looking for the left sneutrino LSP with displaced-vertex searches. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, art. no. 075004., Registrované v: WOS
177. [1.1] LAURITO, Andres - BONAVENTURA, Matias - ASTIGARRAGA, Mikel Eukeni Pozo - CASTRO, Rodrigo. TOPOGEN: A NETWORK TOPOLOGY GENERATION ARCHITECTURE WITH APPLICATION TO AUTOMATING SIMULATIONS OF SOFTWARE DEFINED NETWORKS. In 2017 WINTER SIMULATION CONFERENCE (WSC). ISSN 0891-7736, 2017, pp. 1049-1060., Registrované v: WOS
178. [1.1] LAVORGNA, M. ATLAS searches for resonances decaying to boson pairs. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, MAR-JUN 2020, vol. 43, no. 2-3., Registrované v: WOS
179. [1.1] LAVORGNA, M. Search for heavy mass diboson resonances in the ATLAS experiment. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, JUL-AUG 2019, vol. 42, no. 4., Registrované v: WOS
180. [1.1] LEE, L. - OHM, C. - SUFFER, A. - YU, T.T. Collider searches for long-lived particles beyond the Standard Model. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, MAY 2019, vol. 106, p. 210-255., Registrované v: WOS
181. [1.1] LEFEBVRE, B. Precision survey of the readout strips of small-strip Thin Gap Chambers using X-rays for the muon spectrometer upgrade of the ATLAS experiment. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, JUL 2020, vol. 15, no. 7., Registrované v: WOS
182. [1.1] LEONARDI, R. - PANELLA, O. - ROMEO, F. - GURROLA, A. - SUN, H. - XUE, S.S. Phenomenology at the LHC of composite particles from strongly interacting Standard Model fermions via four-fermion operators of

- NJL type. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, APR 8 2020, vol. 80, no. 4., Registrované v: WOS
183. [1.1] LIU, P.L. A new technique for luminosity measurement using 3D pixel modules in the ATLAS IBL detector. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, APR 21 2019, vol. 924, p. 275-278., Registrované v: WOS
184. [1.1] LIVENGOOD, J. Counting experiments. In PHILOSOPHICAL STUDIES. ISSN 0031-8116, JAN 2019, vol. 176, no. 1, p. 175-195., Registrované v: WOS
185. [1.1] LI, H. Performance of the ATLAS Resistive Plate Chamber detector and Level-1 muon barrel trigger at root s=13 TeV. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, NOV 2020, vol. 15, no. 11., Registrované v: WOS
186. [1.1] LI, T. - CURRIE, R. - WASHBROOK, A. A data caching model for Tier 2 WLCG computing centres using XCache. In 23RD INTERNATIONAL CONFERENCE ON COMPUTING IN HIGH ENERGY AND NUCLEAR PHYSICS (CHEP 2018). ISSN 2100-014X, 2019, vol. 214., Registrované v: WOS
187. [1.1] LLORENTE, Javier. Determination of the Strong Coupling Constant $\alpha(s)$ in Multijet Production with the ATLAS Detector at the LHC. In PROCEEDINGS OF THE 21ST PARTICLES AND NUCLEI INTERNATIONAL CONFERENCE (PANIC 2017). ISSN 2010-1945, 2018, vol. 46, art. no. 1860085., Registrované v: WOS
188. [1.1] LOFFREDO, S. The BIS78 Pad trigger board for the Phase-I Upgrade of the Level-1 Muon Trigger of the ATLAS experiment at the LHC. In 2019 IEEE NUCLEAR SCIENCE SYMPOSIUM AND MEDICAL IMAGING CONFERENCE (NSS/MIC). ISSN 1095-7863, 2019., Registrované v: WOS
189. [1.1] LORENZ, J.M. Supersymmetry and the collider dark matter picture. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, SEP 28 2019, vol. 34, no. 30., Registrované v: WOS
190. [1.1] LYSAK, R. Charge Asymmetry in Top Quark Pair Production. In SYMMETRY-BASEL. AUG 2020, vol. 12, no. 8., Registrované v: WOS
191. [1.1] LYUBUSHKINA, T. ATLAS results on quarkonia and heavy flavor production. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, DEC 20 2020, vol. 35, no. 34-35, SI., Registrované v: WOS
192. [1.1] MACCHIOLO, A. The Phase-2 ATLAS ITk pixel upgrade. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, MAY 11 2020, vol. 962., Registrované v: WOS
193. [1.1] MADYSA, N. A Software Framework for ATLAS Readout Electronics Upgrade Simulation. In 23RD INTERNATIONAL CONFERENCE ON COMPUTING IN HIGH ENERGY AND NUCLEAR PHYSICS (CHEP 2018). ISSN 2100-014X, 2019, vol. 214., Registrované v: WOS
194. [1.1] MAGRO, J. Search for four-top-quark production in the single-lepton and opposite-sign dilepton final states in proton-proton collisions at root s = 13 TeV with the ATLAS detector. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, MAR-JUN 2020, vol. 43, no. 2-3., Registrované v: WOS

195. [1.1] MAHMUD, N. - EL-ARABY, E. Dimension Reduction Using Quantum Wavelet Transform on a High-Performance Reconfigurable Computer. In INTERNATIONAL JOURNAL OF RECONFIGURABLE COMPUTING. ISSN 1687-7195, NOV 11 2019, vol. 2019., Registrované v: WOS
196. [1.1] MAJERSKY, O. Highlights of top-quark properties measurements at the ATLAS experiment. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, JAN-MAR 2020, vol. 309, p. 22-29., Registrované v: WOS
197. [1.1] MAJERSKY, O. Identifying hadronically-decaying vector bosons and top quarks in ATLAS. In 19TH INTERNATIONAL WORKSHOP ON ADVANCED COMPUTING AND ANALYSIS TECHNIQUES IN PHYSICS RESEARCH. ISSN 1742-6588, 2020, vol. 1525., Registrované v: WOS
198. [1.1] MAJ, K. AZIMUTHAL ANISOTROPY IN HEAVY-ION COLLISIONS WITH THE ATLAS DETECTOR AT THE LHC. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2020, vol. 13, no. 4, p. 687-693., Registrované v: WOS
199. [1.1] MANGANO, M.L. - ORTONA, G. - SELVAGGI, M. Measuring the Higgs self-coupling via Higgs-pair production at a 100 TeV p-p collider. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, NOV 8 2020, vol. 80, no. 11., Registrované v: WOS
200. [1.1] MANZONI, S. Measurement of the Higgs boson properties in the diphoton final state with the ATLAS detector. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, JUL-AUG 2019, vol. 42, no. 4., Registrované v: WOS
201. [1.1] MARANTIS, A. The ATLAS Fast TracKer-Architecture, Status and High-Level Data Quality Monitoring Framework. In UNIVERSE. ISSN 2218-1997, JAN 2019, vol. 5, no. 1., Registrované v: WOS
202. [1.1] MARCHISONE, Massimiliano. Performance of a resistive plate chamber equipped with a new prototype of amplified front-end electronics in the ALICE detector. In HIGH ENERGY PARTICLE PHYSICS WORKSHOP 2017. ISSN 1742-6588, 2017, vol. 889, art. no. UNSP 012011., Registrované v: WOS
203. [1.1] MARJANOVIC, M. ATLAS Tile Calorimeter Calibration and Monitoring Systems. In IEEE TRANSACTIONS ON NUCLEAR SCIENCE. ISSN 0018-9499, JUL 2019, vol. 66, no. 7, 1, p. 1228-1235., Registrované v: WOS
204. [1.1] MARTINEZ, C.M. The ATLAS Level-1 topological processor: Experience and upgrade plans. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, DEC 20 2020, vol. 35, no. 34-35, SI., Registrované v: WOS
205. [1.1] MARTINEZ, Mario. The ATLAS Experiment at LHC. In SEARCH FOR EXOTIC MONO-JET EVENTS: IN PROTON-PROTON COLLISIONS AT (SQUARE ROOT)S = 7 TEV AND 8 TEV WITH THE ATLAS DETECTOR. ISSN 2190-5053, 2016, pp. 25-41., Registrované v: WOS
206. [1.1] MARTIN, C.B. Operational experience and performance with the ATLAS Pixel Detector. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, APR 21 2019, vol. 924, p. 293-296., Registrované v: WOS
207. [1.1] MARTIN-HAUGH, S. Implementation of the ATLAS trigger

within the multi-threaded AthenaMT framework. In 23RD INTERNATIONAL CONFERENCE ON COMPUTING IN HIGH ENERGY AND NUCLEAR PHYSICS (CHEP 2018). ISSN 2100-014X, 2019, vol. 214., Registrované v: WOS

208. [1.1] MASSA, L. The BIS78 Resistive Plate Chambers upgrade of the ATLAS Muon Spectrometer for the LHC Run-3. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, OCT 2020, vol. 15, no. 10., Registrované v: WOS

209. [1.1] MASSIRONI, A. Is Nature Standard like the Model? Experimental results on Standard Model and Higgs boson physics. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2018, vol. 41, no. 1-2, art. no. 19., Registrované v: WOS

210. [1.1] MAZZA, S.M. A High-Granularity Timing Detector (HGTD) for the Phase-II upgrade of the ATLAS detector. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, OCT 2019, vol. 14., Registrované v: WOS

211. [1.1] MCKAY, M. ATLAS LAr calorimeter performance in LHC run 2 and electronics upgrades for next runs. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, APR 1 2020, vol. 958., Registrované v: WOS

212. [1.1] METZ, A. - VOSSEN, A. Parton fragmentation functions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 91, pp. 136-202., Registrované v: WOS

213. [1.1] MILOV, A. THE TWO PARTICLE CORRELATION IN Z-BOSON TAGGED EVENTS. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, p. 387-392., Registrované v: WOS

214. [1.1] MIRTO, A. Search for direct top squark pair production in final states with two leptons in $\sqrt{s} = 13$ TeV pp collision with the ATLAS detector. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, JUL-AUG 2019, vol. 42, no. 4., Registrované v: WOS

215. [1.1] MLYNARIKOVA, M. Search for rare and lepton-flavor violating decays of the Higgs boson with the ATLAS detector. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, DEC 20 2020, vol. 35, no. 34-35, SI., Registrované v: WOS

216. [1.1] MOGLIACCI, S. - KOLBE, I. - HOROWITZ, W.A. Geometrically confined thermal field theory: Finite size corrections and phase transitions. In PHYSICAL REVIEW D. ISSN 2470-0010, DEC 23 2020, vol. 102, no. 11., Registrované v: WOS

217. [1.1] MOOSA, I. A. Publish or Perish: Perceived Benefits versus Unintended Consequences. In PUBLISH OR PERISH: PERCEIVED BENEFITS VERSUS UNINTENDED CONSEQUENCES, 2018., Registrované v: WOS

218. [1.1] MORGENSTERN, S. ATLAS LAr calorimeter performance in LHC Run-2. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, AUG 21 2019, vol. 936, p. 86-89., Registrované v: WOS

219. [1.1] MURRONE, A. Measurements of Higgs boson production cross

section and CP violation in the $H \rightarrow \tau\tau$ decay channel with the ATLAS detector. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2018, vol. 41, no. 3, art. no. 97., Registrované v: WOS

220. [1.1] MURRONE, A. Measurements of Higgs boson production cross-section and CP violation in the $H \rightarrow \tau\tau$ decay channel with the ATLAS detector. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, JUL-AUG 2019, vol. 42, no. 4., Registrované v: WOS

221. [1.1] MURRONE, A. Measurements of the Higgs production cross section in the $H \rightarrow \tau\tau$ decay channel with the ATLAS experiment. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, MAR-JUN 2020, vol. 43, no. 2-3., Registrované v: WOS

222. [1.1] NACHMAN, Benjamin - MANGANO, Michelangelo L. Observables for possible QGP signatures in central pp collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 4, art. no. 343., Registrované v: WOS

223. [1.1] NALLY, Richard - RABEN, Timothy - TAN, Chung-I. Inclusive production through AdS/CFT. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 11, art. no. 075., Registrované v: WOS

224. [1.1] NAPOLI, Christian - PAPPALARDO, Giuseppe - TRAMONTANA, Emiliano - ZAPPALA, Gaetano. A Cloud-Distributed GPU Architecture for Pattern Identification in Segmented Detectors Big-Data Surveys. In COMPUTER JOURNAL. ISSN 0010-4620, 2016, vol. 59, no. 3, pp. 338-352., Registrované v: WOS

225. [1.1] NIR, Y. - VAGNONI, V. CP violation in B decays. In COMPTES RENDUS PHYSIQUE. ISSN 1631-0705, 2020, vol. 21, no. 1, p. 61-74., Registrované v: WOS

226. [1.1] NOGUCHI, Y. Observation of the Higgs decay to beauty quarks. In 4TH INTERNATIONAL CONFERENCE ON PARTICLE PHYSICS AND ASTROPHYSICS (ICPPA-2018). ISSN 1742-6588, 2019, vol. 1390., Registrované v: WOS

227. [1.1] NOVAK, T. New techniques for pile-up simulation in ATLAS. In 23RD INTERNATIONAL CONFERENCE ON COMPUTING IN HIGH ENERGY AND NUCLEAR PHYSICS (CHEP 2018). ISSN 2100-014X, 2019, vol. 214., Registrované v: WOS

228. [1.1] NOVAK, T. Searches for new phenomena in final states involving leptons and jets using the ATLAS detector. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, DEC 20 2020, vol. 35, no. 34-35, SI., Registrované v: WOS

229. [1.1] NOVGORODOVA, Olga. The ATLAS liquid argon calorimeter: upgrade plans for the HL-LHC. In 16TH INTERNATIONAL CONFERENCE ON CALORIMETRY IN HIGH ENERGY PHYSICS (CALOR 2014). ISSN 1742-6588, 2015, vol. 587, art. no. 012018., Registrované v: WOS

230. [1.1] NURSE, Emily - SEN, Sercan. Large Rapidity Gap Method to Select Soft Diffraction Dissociation at the LHC. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2016, art. no. 5082847., Registrované v: WOS

231. [1.1] OGRODNIK, A. LIGHT-BY-LIGHT SCATTERING IN

LEAD-LEAD COLLISIONS IN THE ATLAS EXPERIMENT. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, JUN 2019, vol. 50, no. 6, p. 1159-1164., Registrované v: WOS

232. [1.1] OH, A. Measurements of multi vector boson production processes at the LHC. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, SEP 2019, vol. 108., Registrované v: WOS

233. [1.1] OISHI, R. LHC-ATLAS Phase-1 upgrade: firmware validation for real time digital processing for new trigger readout system of the Liquid Argon calorimeter. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, MAY 2020, vol. 15, no. 5., Registrované v: WOS

234. [1.1] OLSEN, Stephen Lars - SKWARNICKI, Tomasz - ZIEMINSKA, Daria. Nonstandard heavy mesons and baryons: Experimental evidence. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2018, vol. 90, no. 1, art. no. 015003., Registrované v: WOS

235. [1.1] PANCHERI, Giulia - SRIVASTAVA, Yogendra N. Introduction to the physics of the total cross section at LHC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 3, art. no. 150., Registrované v: WOS

236. [1.1] PATTON, H. - NACHMAN, B. The optimal use of silicon pixel charge information for particle identification. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, JAN 1 2019, vol. 913, p. 91-96., Registrované v: WOS

237. [1.1] PEDRO, R. Optics robustness of the ATLAS Tile Calorimeter. In 18TH INTERNATIONAL CONFERENCE ON CALORIMETRY IN PARTICLE PHYSICS (CALOR2018). ISSN 1742-6588, 2019, vol. 1162., Registrované v: WOS

238. [1.1] PENC, O. Observation and measurements of vector-boson scattering with the ATLAS detector. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, DEC 20 2020, vol. 35, no. 34-35, SI., Registrované v: WOS

239. [1.1] PENNING, Bjoern. The pursuit of dark matter at colliders-an overview. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 6, art. no. 063001., Registrované v: WOS

240. [1.1] PETRUKHIN, A. A Detachable Tail Module for the Phase II ATLAS Pixel Upgrade. In 2019 IEEE NUCLEAR SCIENCE SYMPOSIUM AND MEDICAL IMAGING CONFERENCE (NSS/MIC). ISSN 1095-7863, 2019., Registrované v: WOS

241. [1.1] PINTO, J.V.D. An Ensemble of Neural Networks for Online Filtering Implemented in the ATLAS Trigger System. In 18TH INTERNATIONAL CONFERENCE ON CALORIMETRY IN PARTICLE PHYSICS (CALOR2018). ISSN 1742-6588, 2019, vol. 1162., Registrované v: WOS

242. [1.1] POGGI, R. Design of the ATLAS phase-II hardware-based tracking processor. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, AUG 21 2019, vol. 936, p. 305-307., Registrované v: WOS

243. [1.1] POPA, S. - MARTOIU, S. - IVANOVICI, M. Study of the

ATLAS new small wheel read-out controller ASIC in a neutron irradiation environment. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, OCT 2020, vol. 15, no. 10., Registrované v: WOS

244. [1.1] POPA, S. - MARTOIU, S. - IVANOVICI, M. The quality-control test of the digital logic for the ATLAS new small wheel read-out controller ASIC. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, APR 2020, vol. 15, no. 4., Registrované v: WOS

245. [1.1] POULSON, D. - DURHAM, J. M. - GUARDINCERRI, E. - MORRIS, C. L. - BACON, J. D. - PLAUD-RAMOS, K. - MORLEY, D. - HECHT, A. A. Cosmic ray muon computed tomography of spent nuclear fuel in dry storage casks. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2017, vol. 842, pp. 48-53., Registrované v: WOS

246. [1.1] PREGHENELLA, Roberto. Small systems at the LHC. In 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017). ISSN 2100-014X, 2018, vol. 171, art. no. 11003., Registrované v: WOS

247. [1.1] PRINCE, Sebastien. Measurement of photon production cross sections also in association with jets with the ATLAS detector. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2018, vol. 294, pp. 1-6., Registrované v: WOS

248. [1.1] PRONSKIKH, V.S. ONTOLOGY OF THE COLLECTIVE EXPERIMENTALIST: FROM ALVAREZ'S GROUP TO MEGASCIENCE. In EPISTEMOLOGY & PHILOSOPHY OF SCIENCE-EPISTEMOLOGIYA I FILOSOFIYA NAUKI. ISSN 1811-833X, 2019, vol. 56, no. 4, p. 165-182., Registrované v: WOS

249. [1.1] PUDZHA, D. Small-strip thin gap chambers for the muon spectrometer upgrade of the ATLAS experiment. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, SEP 2020, vol. 15, no. 9., Registrované v: WOS

250. [1.1] RABBERTZ, Klaus. Jet Measurement. In JET PHYSICS AT THE LHC: THE STRONG FORCE BEYOND THE TEV SCALE. ISSN 0081-3869, 2017, vol. 268, pp. 61-110., Registrované v: WOS

251. [1.1] RAFIQUE, Irum - KAUSAR, Ayesha - MUHAMMAD, Bakhtiar. Epoxy Resin Composite Reinforced with Carbon Fiber and Inorganic Filler: Overview on Preparation and Properties. In POLYMER-PLASTICS TECHNOLOGY AND ENGINEERING. ISSN 0360-2559, 2016, vol. 55, no. 15, pp. 1653-1672., Registrované v: WOS

252. [1.1] RASANEN, Sami S. ALICE overview. In 4TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2016, vol. 126, art. no. UNSP 02026., Registrované v: WOS

253. [1.1] REDELBACH, Andreas. Searches for Prompt R-Parity-Violating Supersymmetry at the LHC. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, art. no. 982167., Registrované v: WOS

254. [1.1] REECE, Ryan. ATLAS searches for heavy Higgs bosons and supersymmetry using tau decays. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 287, pp. 195-198., Registrované v: WOS

255. [1.1] RODRIGUEZ, A. Test Beam Studies for the ATLAS Tile Calorimeter Upgrade Readout Electronics. In 18TH INTERNATIONAL CONFERENCE ON CALORIMETRY IN PARTICLE PHYSICS (CALOR2018). ISSN 1742-6588, 2019, vol. 1162., Registrované v: WOS
256. [1.1] RODRIGUEZ, A.R. The ATLAS strip detector system for the High-Luminosity LHC. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, AUG 2020, vol. 15, no. 8., Registrované v: WOS
257. [1.1] ROSA AGOSTINHO, Nuno - EBOLI, O. J. P. - GONZALEZ-GARCIA, M. C. LHC Run I bounds on minimal lepton flavour violation in Type-III see-saw: a case study. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 11, art. no. 118., Registrované v: WOS
258. [1.1] ROSENBERG, Jacob - BURCHARTH, Jakob - POMMERGAARD, Hans-Christian - VINTHER, Siri. Authorship issues in multi-centre clinical trials: the importance of making an authorship contract. In DANISH MEDICAL JOURNAL. ISSN 2245-1919, 2015, vol. 62, no. 2, art. no. A5009., Registrované v: WOS
259. [1.1] ROSSINI, L. ATLAS Pixel Detector during Run 2. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, MAR-JUN 2020, vol. 43, no. 2-3., Registrované v: WOS
260. [1.1] ROSSINI, L. Modelling radiation damage effects to pixel sensors for the ATLAS detector. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, AUG 21 2019, vol. 936, p. 677-678., Registrované v: WOS
261. [1.1] ROSSINI, L. Searches for supersymmetric higgsinos with the ATLAS detector. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, JUL-AUG 2019, vol. 42, no. 4., Registrované v: WOS
262. [1.1] RYD, A. - SKINNARI, L. Tracking Triggers for the HL-LHC. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, p. 171-195., Registrované v: WOS
263. [1.1] SABATINI, P. Operational experience and performance with the ATLAS Pixel detector at the Large Hadron Collider at CERN. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, FEB 2020, vol. 15, no. 2., Registrované v: WOS
264. [1.1] SABETTA, L. Ultra-fast deep learning algorithms on FPGA for the phase-II level-0 trigger of the ATLAS experiment. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, MAR-JUN 2020, vol. 43, no. 2-3., Registrované v: WOS
265. [1.1] SANTONI, M. Probing compressed mass spectra in electroweak supersymmetry with Recursive Jigsaw Reconstruction. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 5, art. no. 058., Registrované v: WOS
266. [1.1] SANTOS, Helena. Jets in Heavy Ion Collisions with the ATLAS Detector. In PROCEEDINGS OF THE 21ST PARTICLES AND NUCLEI INTERNATIONAL CONFERENCE (PANIC 2017). ISSN 2010-1945, 2018, vol. 46, art. no. 1860020., Registrované v: WOS
267. [1.1] SANTOS, H. OVERVIEW OF HEAVY IONS FROM THE ATLAS EXPERIMENT. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, JUN 2019, vol. 50, no. 6, p. 1217-1228., Registrované v: WOS

268. [1.1] SANTOS, H. Results on quarkonia production in Heavy Ion collisions from the ATLAS Experiment. In XIII INTERNATIONAL CONFERENCE ON BEAUTY, CHARM AND HYPERON HADRONS (BEACH 2018). ISSN 1742-6588, 2019, vol. 1137., Registrované v: WOS
269. [1.1] SANTRA, A. QCD Issues in Searches for Supersymmetry with the ATLAS Detector. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, JAN-MAR 2020, vol. 309, p. 49-54., Registrované v: WOS
270. [1.1] SANTURIO, Eduardo Valdes. Upgrade of Tile Calorimeter of the ATLAS Detector for the High Luminosity LHC. In 17TH INTERNATIONAL CONFERENCE ON CALORIMETRY IN PARTICLE PHYSICS (CALOR2016). ISSN 1742-6588, 2017, vol. 928, art. no. UNSP 012024., Registrované v: WOS
271. [1.1] SAVCHENKO, A.A. - SERGEEVA, D.Y. - TISHCHENKO, A.A. - STRIKHANOV, M.N. Small-angle x-ray transition radiation from multilayered structures. In PHYSICAL REVIEW D. ISSN 2470-0010, JAN 25 2019, vol. 99, no. 1., Registrované v: WOS
272. [1.1] SAVIN, Alexander A. Precision measurements of electroweak parameters at the LHC. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2017, vol. 40, no. 6, art. no. 201., Registrované v: WOS
273. [1.1] SCURI, F. Upgrade of the ATLAS Tile Calorimeter for the High Luminosity LHC. In 18TH INTERNATIONAL CONFERENCE ON CALORIMETRY IN PARTICLE PHYSICS (CALOR2018). ISSN 1742-6588, 2019, vol. 1162., Registrované v: WOS
274. [1.1] SHIROYA, M. - GANAI, R. - AHAMMED, Z. - CHATTOPADHYAY, S. Charge measurement of oil-free single gap Bakelite Resistive Plate Chamber. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, AUG 2019, vol. 14., Registrované v: WOS
275. [1.1] SCHMIEDEN, K. Constraints on Standard Model physics from colliders. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2018). ISSN 1742-6588, 2019, vol. 1271., Registrované v: WOS
276. [1.1] SIKLER, Ferenc. A combination of analysis techniques for efficient track reconstruction of high multiplicity events in silicon detectors. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 6, art. no. 113., Registrované v: WOS
277. [1.1] SIKLER, Ferenc. Combination of various data analysis techniques for efficient track reconstruction in very high multiplicity events. In CONNECTING THE DOTS/INTELLIGENT TRACKERS 2017 (CTD/WIT 2017). ISSN 2100-014X, 2017, vol. 150, art. no. UNSP 00011., Registrované v: WOS
278. [1.1] SLOVAK, Radim. Inclusive jet measurements in Pb plus Pb collisions at 5 TeV with the ATLAS detector. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, 2017, vol. 289, pp. 133-136., Registrované v: WOS
279. [1.1] SMIRNOVA, L. N. - TURCHIKHIN, S. M. Muon and B-physics trigger of the ATLAS experiment in Run 2. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, 2017, vol. 48, no. 5, pp. 801-803., Registrované v: WOS

280. [1.1] SNOEYS, W. Development of monolithic sensors for high energy physics in commercial CMOS technologies. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, SEP 11 2019, vol. 938, p. 41-50., Registrované v: WOS
281. [1.1] SNOEYS, W. Monolithic CMOS sensors for high energy physics. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, APR 21 2019, vol. 924, p. 51-58., Registrované v: WOS
282. [1.1] SOGAARD, A. Constructing mass-decorrelated hadronic decay taggers in ATLAS. In 19TH INTERNATIONAL WORKSHOP ON ADVANCED COMPUTING AND ANALYSIS TECHNIQUES IN PHYSICS RESEARCH. ISSN 1742-6588, 2020, vol. 1525., Registrované v: WOS
283. [1.1] SONNEVELD, Jory. Searches for physics beyond the standard model at the LHC. In AFRICAN REVIEW OF PHYSICS. ISSN 2223-6589, 2018, vol. 13, pp. 96-102., Registrované v: WOS
284. [1.1] SOPCZAK, A. Timepix3 Luminosity Determination of 13-TeV Proton-Proton Collisions at the ATLAS Experiment. In IEEE TRANSACTIONS ON NUCLEAR SCIENCE. ISSN 0018-9499, APR 2020, vol. 67, no. 4, 1, p. 609-616., Registrované v: WOS
285. [1.1] SPALLA, M. ATLAS LAr Calorimeter performance in LHC Run 2. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, APR 2020, vol. 15, no. 4., Registrované v: WOS
286. [1.1] SPANNOWSKY, Michael - STOLL, Martin. Tracking new physics at the LHC and beyond. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 5, art. no. 054033., Registrované v: WOS
287. [1.1] STORETVEDT, M. - LITMAATH, M. - BETEV, L. - HELSTRUP, H. - HETLAND, K.F. - KILENG, B. Grid services in a box: container management in ALICE. In 23RD INTERNATIONAL CONFERENCE ON COMPUTING IN HIGH ENERGY AND NUCLEAR PHYSICS (CHEP 2018). ISSN 2100-014X, 2019, vol. 214., Registrované v: WOS
288. [1.1] SYKORA, T. ATLAS Forward Proton Time-of-Flight Detector: LHC Run2 performance and experiences. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, OCT 2020, vol. 15, no. 10., Registrované v: WOS
289. [1.1] TAKUBO, Y. Single event upsets in the ATLAS IBL frontend ASICs. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, NOV 2019, vol. 14., Registrované v: WOS
290. [1.1] TATENO, G. LHC-ATLAS Phase-I upgrade: calibration and simulation of a new trigger readout system for the Liquid Argon calorimeter. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, MAY 2020, vol. 15, no. 5., Registrované v: WOS
291. [1.1] TESTA, M. Upgrade of the ATLAS detectors and trigger for the High Luminosity LHC: Tracking and timing for pile-up suppression. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, AUG 21 2019, vol. 936, p. 394-395., Registrované v: WOS

292. [1.1] The ATLAS Experiment. In SEARCHING FOR DARK MATTER WITH THE ATLAS DETECTOR. ISSN 2190-5053, 2017, pp. 27-54., Registrované v: WOS
293. [1.1] The Large Hadron Collider and the ATLAS Experiment. In HIGH JET MULTIPLICITY PHYSICS AT THE LHC. ISSN 2190-5053, 2016, pp. 25-42., Registrované v: WOS
294. [1.1] The Mono-Jet Analysis. In SEARCHING FOR DARK MATTER WITH THE ATLAS DETECTOR. ISSN 2190-5053, 2017, pp. 167-236., Registrované v: WOS
295. [1.1] TODOME, K. Searches for electroweak production of higgsino with ATLAS. In 4TH INTERNATIONAL CONFERENCE ON PARTICLE PHYSICS AND ASTROPHYSICS (ICPPA-2018). ISSN 1742-6588, 2019, vol. 1390., Registrované v: WOS
296. [1.1] TRAYNOR, D. - FROY, T. Using Lustre and Slurm to process Hadoop workloads and extending to the WLCG. In 23RD INTERNATIONAL CONFERENCE ON COMPUTING IN HIGH ENERGY AND NUCLEAR PHYSICS (CHEP 2018). ISSN 2100-014X, 2019, vol. 214., Registrované v: WOS
297. [1.1] TREVISANI, Nicola. Collider Searches for Dark Matter (ATLAS. In UNIVERSE. ISSN 2218-1997, 2018, vol. 4, no. 11, art. no. 131., Registrované v: WOS
298. [1.1] TROVATO, M. FELIX: The New Readout System for the ATLAS Detector. In 2019 IEEE NUCLEAR SCIENCE SYMPOSIUM AND MEDICAL IMAGING CONFERENCE (NSS/MIC). ISSN 1095-7863, 2019., Registrované v: WOS
299. [1.1] TRZEBINSKI, M. DIFFRACTIVE PHYSICS AT THE LHC. In UKRAINIAN JOURNAL OF PHYSICS. ISSN 2071-0186, 2019, vol. 64, no. 8, p. 772-775., Registrované v: WOS
300. [1.1] TRZEBINSKI, M. ON THE POSSIBILITY OF HAVING ROMAN POTS AROUND IP8 IN RUN 4 AND BEYOND. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2020, vol. 51, no. 6, p. 1577-1584., Registrované v: WOS
301. [1.1] TRZUPEK, A. RECENT RESULTS ON FLOW AND CORRELATIONS FROM THE ATLAS EXPERIMENT. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, p. 411-417., Registrované v: WOS
302. [1.1] TSAI, Yuhsin - WANG, Lian-Tao - ZHAO, Yue. Faking ordinary photons by displaced dark photon decays. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, art. no. 015027., Registrované v: WOS
303. [1.1] TSISKARIDZE, Shota. The ATLAS Experiment at the Large Hadron Collider. In SEARCH FOR FLAVOR-CHANGING NEUTRAL CURRENT TOP QUARK DECAYS T HQ, WITH H BB, IN PP COLLISIONS AT S = 8 TEV WITH THE ATLAS DETECTOR. ISSN 2190-5053, 2017, pp. 37-58., Registrované v: WOS
304. [1.1] TURCHIKHIN, S. Spectroscopy and production of quarkonia and heavy flavour at ATLAS. In NUCLEAR AND PARTICLE PHYSICS PROCEEDINGS. ISSN 2405-6014, JAN-MAR 2020, vol. 309, p. 162-167., Registrované v: WOS
305. [1.1] TURILLI, Matteo - SANTCROOS, Mark - JHA, Shantenu. A Comprehensive Perspective on Pilot-Job Systems. In ACM COMPUTING

- SURVEYS. ISSN 0360-0300, 2018, vol. 51, no. 2, art. no. 43., Registrované v: WOS
306. [1.1] TZANIS, P. Electronics performance of the ATLAS New Small Wheel Micromegas wedges at CERN. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, JUL 2020, vol. 15, no. 7., Registrované v: WOS
307. [1.1] UNDAGOITIA, Teresa Marrodan - RAUCH, Ludwig. Dark matter direct-detection experiments. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 1, art. no. 013001., Registrované v: WOS
308. [1.1] VAN WOERDEN, Marius Cornelis. Upgrade of the Laser calibration system for the ATLAS hadronic calorimeter TileCal. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2016, vol. 824, pp. 64-66., Registrované v: WOS
309. [1.1] VANNICOLA, D. Measurements of the relative alignment of the muon spectrometer precision chambers in root $s = 13$ TeV proton-proton collisions with the ATLAS detector. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, MAR-JUN 2020, vol. 43, no. 2-3., Registrované v: WOS
310. [1.1] VERMEULEN, A. Reconstruction techniques in Supersymmetry searches with the ATLAS detector Ambrosius Vermeulen, on behalf of the ATLAS Collaboration. In 4TH INTERNATIONAL CONFERENCE ON PARTICLE PHYSICS AND ASTROPHYSICS (ICPPA-2018). ISSN 1742-6588, 2019, vol. 1390., Registrované v: WOS
311. [1.1] VITULO, P. HPL-GEM: controlling High Pressure Laminates bulk resistivity with GEMs. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2018, vol. 13, art. no. T06001., Registrované v: WOS
312. [1.1] VOGT, M. Radiation-induced effects on data integrity and link stability of the RD53A pixel readout chip. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, MAY 2019, vol. 14., Registrované v: WOS
313. [1.1] WAGNER-KUHR, Jeannine. EXPERIMENTAL STUDIES OF TOP QUARK PRODUCTION. In ACTA PHYSICA SLOVACA. ISSN 0323-0465, 2016, vol. 66, no. 1, pp. 1-68., Registrované v: WOS
314. [1.1] WANG, S. - CHEN, W. - GUO, J.H. Design and testing of a miniature silicon strip detector. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, DEC 26 2019, vol. 31, no. 1., Registrované v: WOS
315. [1.1] WANG, Z.S. - WANG, K.C. Long-lived light neutralinos at future Z factories. In PHYSICAL REVIEW D. ISSN 1550-7998, JUN 16 2020, vol. 101, no. 11., Registrované v: WOS
316. [1.1] WIGLESWORTH, C. The ATLAS High-Level Calorimeter Trigger in Run-2. In 18TH INTERNATIONAL CONFERENCE ON CALORIMETRY IN PARTICLE PHYSICS (CALOR2018). ISSN 1742-6588, 2019, vol. 1162., Registrované v: WOS
317. [1.1] WIGMANS, Richard. New developments in calorimetric particle detection Richard Wigmans. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 103, pp. 109-161., Registrované v: WOS
318. [1.1] WOZNIAK, K.W. Recent minimum-bias measurements by

ATLAS. In XX INTERNATIONAL SYMPOSIUM ON VERY HIGH ENERGY COSMIC RAY INTERACTIONS (ISVHECRI 2018). ISSN 2100-014X, 2019, vol. 208., Registrované v: WOS

319. [1.1] WU, W. FELIX: the New Detector Interface for the ATLAS Experiment. In IEEE TRANSACTIONS ON NUCLEAR SCIENCE. ISSN 0018-9499, JUL 2019, vol. 66, no. 7, 1, p. 986-992., Registrované v: WOS

320. [1.1] YAP, Y.C. Recent observation and measurements of diboson processes from the ATLAS experiment. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, SEP 14 2020, vol. 35, no. 28., Registrované v: WOS

321. [1.1] YUE, X.G. Data Acquisition and Software for the ATLAS Tile Calorimeter Phase-II Upgrade Demonstrator. In 23RD INTERNATIONAL CONFERENCE ON COMPUTING IN HIGH ENERGY AND NUCLEAR PHYSICS (CHEP 2018). ISSN 2100-014X, 2019, vol. 214., Registrované v: WOS

322. [1.1] YUE, X.G. Tile TDAQ interface module for the Phase-II Upgrade of the ATLAS Tile Calorimeter. In 2019 IEEE NUCLEAR SCIENCE SYMPOSIUM AND MEDICAL IMAGING CONFERENCE (NSS/MIC). ISSN 1095-7863, 2019., Registrované v: WOS

323. [1.1] ZAKAREISHVILI, T. Upgrade of the ATLAS Hadronic Tile Calorimeter for the High Luminosity LHC. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, SEP 2020, vol. 15, no. 9., Registrované v: WOS

324. [1.1] ZBOROVSKY, I. A conservation law, entropy principle and quantization of fractal dimensions in hadron interactions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 10, art. no. 1850057., Registrované v: WOS

325. [1.1] ZHOU, Q.D. Study of contributions of diffractive processes to forward neutral particle production with the ATLAS-LHCf detector. In XX INTERNATIONAL SYMPOSIUM ON VERY HIGH ENERGY COSMIC RAY INTERACTIONS (ISVHECRI 2018). ISSN 2100-014X, 2019, vol. 208., Registrované v: WOS

326. [1.1] ZHULANOV, V. Development of the ATLAS Liquid Argon (LAr) Calorimeter readout electronics for the HL-LHC. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, AUG 2020, vol. 15, no. 8., Registrované v: WOS