



Denisa Lampášová

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Education

- 2020 – present **PHD STUDENT, Research Center for Quantum Information, Institute of Physics, Slovak Academy of Sciences,**
TOPIC: Algorithms for small, noisy, near-future quantum computers
ADVISOR: Mgr. Daniel Nagaj, PhD
- 2017 – 2020 **Theoretical Physics, MASTER – Comenius University, Slovakia**
DIPLOMA THESIS: The Quantum Approximate Optimization Algorithm & other applications of alternating Hamiltonians
ADVISOR: Mgr. Daniel Nagaj, PhD
- 2014 – 2017 **Physics, BACHELOR – Comenius University, Slovakia,**
BACHELOR THESIS: Quantum teleportation and its applications
ADVISOR: Mgr. Daniel Nagaj, PhD

Other activities

- 2014 – 2020 **TROJSTEN, ORGANIZER OF FKS (Physics Correspondence Seminar),**
a competition for high school students
Giving lectures and seminars about high school physics and popular physics, writing sample solutions, marking students' solutions, and in 2014-2015 technical redactor.
Experience with teamwork.
- August 2018 **Toruń Astrophysics/Physics Summer Program (TAPS),**
PROJECT: Quantum teleportation through noisy channels
ADVISOR: Dr. Gniewomir Sarbicki,
I attended a series of lectures on the basics of quantum computation and developed a simple quantum teleportation-based error-correcting protocol.
- July 2018 **SUMMER INTERN, Research Center for Quantum Information, Institute of Physics, Slovak Academy of Sciences,**
Research on the Quantum approximate optimization algorithm (related to my diploma thesis).

Computer skills

- Intermediate Python, \LaTeX
Basic Mathematica, C++, Linux shell scripting

Interests

- Physics, theoretical computer science, puzzle hunts, problem solving in general.
- Hiking, yoga, cycling, ultimate frisbee, swimming, playing guitar, acquiring new skills, reading fantasy books (fan of Pratchett).