

NAVID KAZEMI SERESHT

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EDUCATION

Master of Science in Particle Physics

Sep 2019 - Sep 2022

Department of Physics, Tehran.

University of Tehran, GPA: 17.89/20.00(3.73/4)

Bachelor of Science in Atomic and Molecule Physics

Sep 2015 - July 2019

Department of Physics, Tehran.

Kharazmi University , GPA: 16.53/20.00(3.45/4)

PROJECTS

Quantum Information Exchange And Quantum Complexity By Holographic Principle

Feb 2021 - Present

Master Thesis, University of Tehran

- Studying Quantum Information Exchange growth in d-dimensional CFT at finite temperature, Which is dual to Ads black hole by Ads/CFT, in ground state and excited state and check the results by quantum complexity.

Holographic Chiral Magnetic effect and Non- Equilibrium Critical Phenomena

July 2019 - Sep 2021

Paper

- We found phase transition in a system with chiral magnetic effect via AdS/CFT correspondence. We explore the non-equilibrium critical behaviour of chiral magnetic effect from holographic probe branes. This project is still continuing with collaboration with Dr. Vahedi, Mobin Shakeri and Ali Hosseinzadeh.

Ultraviolet-visible spectroscopy

Sep2018 - Nov2018

Class project, University of Kharazmi

- I studied and reviewed different aspects of Ultraviolet-visible spectroscopy and its application in various fields. My supervisor was Dr.Salmani.

Collision stimulation

Nov2018 - Dec2018

Class project, University of Kharazmi

- Me and two of my classmates, launch a collision stimulation of two particles by using python in our applied computational physics class.

High pass filters in electric circuits

Mar2018 - Feb2018

Class project, University of Kharazmi

- I investigate the high pass filters and the role of transistors in them and their application in electric circuits.

SKILLS AND INTERESTS

Interests

Quantum Information Theory, Quantum Computing, Quantum Security, Quantum Gravity

Computer Skills

Mathematica, Python, Nodejs, Origin, HTML, CSS, git, Qskit

Sports

Greco-roman Wrestling, Basketball

Art

Classical Guitar

HONORS AND REWARDS

85 rank in nationwide M.Sc. entrance exam	July 2019
In Top 3 Particle Physics students in the University of Tehran	Sep 2021
In Top 7 Atomic Physics students in Kharazmi University	July 2015
Full Scholarship for M.Sc. in Particle Physics at University of Tehran	July 2019
Silver Medal in Greco-Roman style wrestling in competition between universities of Teharn	Feb 2018
Full Scholarship for B.Sc in Atomic and Molecule physics at kharazmi university	July 2015

LANGUAGES

English- TOEFL(iBT): 102	Dec 2022
Persian- Native	

WORKSHOPS AND SEMINARS

Quantum Information Theory and Holographic Principle Workshop, IPM	Feb 2021
Quantum Information Science Seminar, Sharif University of Technology	Sep-2018
qubit by qubit Quantum computation Workshop	Sep 2020

TEACHING EXPERIENCE

1- Statistical mechanics. University of Tehran	fall 2021
2- Electromagnetism. University of Tehran	fall 2022

MASTER COURSES

Quantum Mechanics 1 : 17.5/20	Quantum Mechanics 2 : 18/20
Statistical Mechanics : 19.75/20	Quantum Field Theory 1 : 17.62/20
Quantum Field Theory 2 : 20/20	Advanced Classical Mechanics : 19/20

REFERENCES

- 1- Dr.Vahedi - Email = vahedi@khu.ac.ir
- 2- Dr.Ebrahim - Email = hebrahim@ut.ac.ir
- 3- Dr.Sajadi - Email = mohsenisad@ut.ac.ir