



Ritajit Kundu

Curriculum vitae

Education

- 2014–2017 **B.Sc**, *Scottish Church College*, Kolkata, 68%.
2017–2019 **M.Sc**, *Indian Institute of Technology Kanpur*, CPI 8.5.
2019–present **Ph.D**, *Indian Institute of Technology Kanpur*, CPI 9.5.
Theoretical Condensed Matter Physics

Research

- Field *Theoretical Condensed matter physics*
Topic Interacting Topological systems
Supervisor
 - Prof. **Arijit Kundu**, Assistant Professor, Department of Physics, IITK
 - (Co-supervisor) Prof. **Amit Dutta**, Professor, Department of Physics, IITK

Master's Project

- Title *Driven Quantum Systems*
Supervisors Prof. Amit Dutta

Relevant Coursework

During M.Sc

- Mathematical Methods
- Classical Mechanics
- Quantum Mechanics
- Statistical Mechanics
- Electrodynamics
- Electronics
- Experimental physics
- Many-body physics
- Condensed matter physics
- Computational physics
- General relativity and cosmology
- Atomic and nuclear physics
- Quantum field theory

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During Ph.D

- Quantum Field theory
- Advanced statistical mechanics
- Magnetism in materials
- Strongly correlated systems

Teaching Assistant

PHY441 *Electronics* (2019 odd semester at IITK)

PHY543 *Condensed Matter Physics* (2020 odd semester at IITK)

Skills

Programming Mathematica, C++, Python, Julia, Fortran
Utilities Shell Script, Unix Command line utilities

Honors & Awards

2017 **The Certificate of Merit**, *Indian Institute of Technology Kanpur*.
For academic excellence in The Master of Science

2019-present **Prime Minister's Research Fellows**, *MHRD, Government Of India*.