

KABYASHREE SONOWAL

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Education:

- Master of Science (M.Sc), Indian Institute of Technology (IIT), Kanpur (2015-2017)
- Bachelor of Science (B.Sc), St. Stephens College, University of Delhi (2012-2015)

Projects:

- Nonlinear optical response in Dirac and Weyl semimetals (M.Sc research project)
- Nanostructured Materials and their application in energy storage (Tezpur University summer internship Programme)
- Computational methods for statistical analysis in Astrophysics (Delhi University Innovation Project)

Research Experience:

- Research associate at PCS-IBS (July-September 2019) : acoustoelectric effect in Transition metal dichalcogenides
- Research associate at IIT Kanpur (2018) : analysis of optical response in type-I and type-II Weyl semimetals.

Publications:

- K. Sonowal, A. Singh and A. Agarwal, *Giant optical activity and Kerr effect in type-I and type-II Weyl semimetals*, Phys. Rev. B 100, 085436 (2019)

Advanced Courses:

Non-equilibrium statistical mechanics, Introduction to Superconductivity, Transport in mesoscopic systems, Spintronics (audit without exam evaluation)