



The Institute of Mathematical Sciences

Graduate studies in Theoretical Physics

IMSc, a pioneering institute specializing in theoretical physics, mathematics, theoretical computer science, and computational biology, offers a diverse range of research activities.

The theoretical physics group offers students the freedom to explore and shape their research careers through PhD/Integrated PhD programs. These programs provide students with advanced analytical and computational skills to solve contemporary physics problems. Existing collaborative opportunities with researchers from various Indian and international institutions provide opportunities to greatly enhance the research experience.

IMSc is an autonomous national research institute under the Department of Atomic Energy, Government of India, and a constituent institution of the Homi Bhabha National Institute (HBNI), Mumbai (a deemed university). PhD degrees will be awarded by HBNI.

Areas of Research

Astrophysics
Biophysics
Complex Systems
Computational Physics
Cosmology
Lattice QCD and Nonperturbative QFT
Optics and Quantum Information
Particle Physics Phenomenology
Perturbative QCD and Higgs Physics
Quantum Condensed Matter
String Theory
Statistical Physics
Soft Condensed Matter

Eligibility

- Masters degree in Physics for PhD admissions.
- Bachelors degree in Physics or BE/B.Tech for Integrated PhD admission.
- Valid test score or rank from either UGC-CSIR NET, JEST or GATE in Physics.

Application deadline: 21st April 2024



https://www.imsc.res.in/phd_programme_physics

https://www.imsc.res.in/theoretical_physics



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Interview period: Weeks of 13th and 20th May 2024



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