



S. N. BOSE NATIONAL CENTRE FOR BASIC SCIENCES

An Autonomous Research Institute Aided by DST, Govt of India

OUR OBJECTIVE

- Cutting edge basic research in chosen areas of sciences including areas of application potentials.
- Train young persons in advanced areas of basic science research.
- Organize advanced schools, symposia and conferences.
- Network with advanced research groups.



PRESENT STRENGTH :: Faculty - 34, PhD Scholars - 154

:: DEPARTMENTS ::

ASTROPHYSICS & COSMOLOGY

Quantum Optics Information theory, Astrophysics around black holes, Cosmology, Observational & Experimental Astrophysics



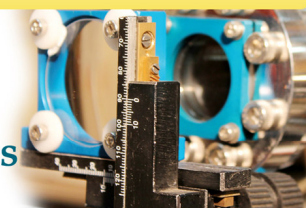
CHEMICAL, BIOLOGICAL & MACRO-MOLECULAR SCIENCES

Study of complex molecular and hybrid systems (including biomolecules) using Experiments and Simulations, ultrasensitive & ultrafast spectroscopy techniques.



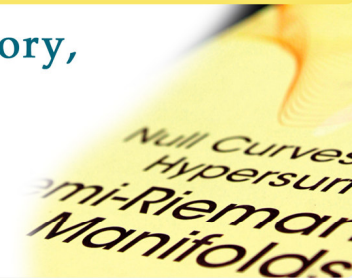
CONDENSED MATTER PHYSICS AND MATERIAL SCIENCES

Experimental, theoretical and computational studies on Physics of materials, from nano dimension to bulk, Nanolithography and devices



THEORETICAL SCIENCES

Quantum Optics & Quantum Information Theory, Cosmology, Gravity, Quantum Field Theory, Lattice Gauge Theory, Granular Physics, Cognitive Science, Mathematical Physics, Statistical Physics, Nonlinear Physics



STUDENTS' PROGRAMME

(Fully Residential)

Integrated PhD Programme in Physical Sciences

(in collaboration with University of Calcutta)

Intake through JEST / NGPE & BOSE TEST, a National Level Screening Test conducted by the Bose Centre.

PhD Programme in Physical, Chemical and Biological Sciences

Intake through JEST / NET-JRF / GATE / DBT-NET / BOSE TEST

Summer / Fall Semester Research Projects

for BSc/MSc/BTech & MTech students

ON-CAMPUS FACILITIES

Laboratories at par with international standards and state of the art facilities ::

Library (open for 11 hours x 6 days) with access to leading on-line journals :: Computer Centre (open for 24 hours x 7 days) with high performance computing facilities :: Hostel with single room facility :: Medical facilities (domiciliary & hospitalization) :: Contingency Grant :: Financial support towards attending National / International Conferences

CONTACT

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