

DST - SERC SCHOOL ON MODERN TRENDS IN NUCLEAR STRUCTURE AND DYNAMICS

February 06 – 24, 2012

Department of Physics, Indian Institute of Technology Roorkee, Roorkee – 247667, India



Sponsored by

Science and Engineering
Research Council
Department of Science and
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Aim

- To train young research scholars in the basics of Nuclear Physics
- To expose the participants to recent developments in the field
- To provide first-hand experience with lab sessions and tutorials

Courses

- Of the three weeks, the first will be a preparatory/foundation type with modules on nuclear structure and reactions followed by two weeks of advanced school.
- The topics for the advanced school would be
 - 1) Mean field theories
 - 2) Modern methods in shell model with large configuration space
 - 3) Nuclear reactions
 - 4) Techniques in modern gamma-ray spectroscopy
 - 5) Heavy ion fusion-fission dynamics
 - 6) Role of fundamental symmetries in nuclei
- The three week school will approximately be of 94 hours duration
- The speakers at the school would be a judicious mix of theoreticians and experimentalists.

Call for applications

Applications are invited from Ph.D. students, beginning post-doctoral fellows, young faculty members and highly motivated M.Sc./ Integrated M.Sc. students of Indian universities, institutes and IITs. Travel (by AC II Train) and local hospitality will be provided for outstation participants. Applications from countries other than India are encouraged. They will be provided only the local hospitality.

Online application forms can be found at www.cnt.net.in. The research supervisor/head of the department of the applicant should send the letter of recommendation preferably by email to the director of the school.

DEADLINE FOR RECEIVING APPLICATIONS: October 10, 2011

Contact

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