Aim

Organized by:

To train young researchers in basic techniques of $\gamma$-ray spectroscopy.
To enable students to analyse data from multi-detector arrays.
To expose the participants to recent developments in the field.

Courses

Courses will be presented on the basics of nuclear structure using gamma-ray spectroscopy. The following topics will be covered:

1. Building a level scheme in $\gamma$-ray spectroscopy
2. Angular distribution and polarization of $\gamma$-rays
3. Extracting physical quantities from level structure
4. Coulomb excitation and GOSIA analysis
5. Nuclear Isomerism
6. Nuclear Moment measurements
7. Lifetime measurements using plunger & DSAM techniques
8. Digital Pulse processing
9. Fast Timing measurements
10. Data evaluation and error analysis

The faculty of the school include

- H. J. Wollersheim (GSI, Germany)
- A. K. Bhati (PU, Chandigarh)
- H.P. Sharma (BHU, Varanasi)
- G. Mukherjee (VECC, Kolkata)
- S. Ghugre (UGC-DAE CSR, Kolkata Centre)
- S. Bhattacharyya (VECC, Kolkata)
- R. Raut (UGC-DAE CSR, Kolkata Centre)
- K. Wrzosek-Lipska (HIL, Warsaw)
- K. Hadynska-Klek (HIL, Warsaw)
- S. K. Tandel (CEBS, Mumbai)
- A. Y. Deo (IIT, Roorkee)
- R. Palit (TIFR, Mumbai)
- S. Kumar (DU, New Delhi)
- R. P. Singh (IUAC, New Delhi)

To apply

For Ph.D. students and post-doctoral fellows, the research supervisor of the applicant should send a letter of recommendation by email to nsgs.school@gmail.com. Link for the registration would be sent later to the selected participants.

Call for applications

Applications are invited from Ph.D. students, fresh post-doctoral fellows, and young faculty members.