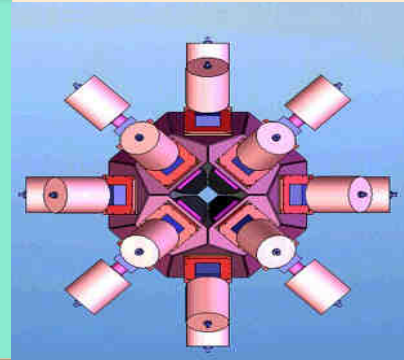




# School on Nuclear structure using gamma ray spectroscopy (Online-mode)



Inter University Accelerator Centre, Aruna Asaf Ali Marg,  
Post Box No 10502, New Delhi - 110067, India  
September 20-24, 2021

## Aim

## Organized by:

Inter University  
Accelerator Centre

- 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

## Contact Persons:

Dr. R. P. Singh  
Dr. R. Kumar

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

## Email:

[nsgs.school@gmail.com](mailto:nsgs.school@gmail.com)

## 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. Hadyńska-Klęk (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)

## DEADLINE FOR RECEIVING APPLICATIONS:

12<sup>th</sup> SEP, 2021

## 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](mailto: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.