

PROGRAMME

20th December 2010, Monday

10:00 hrs – 11:00 hrs

Inaugural Session

11:00 hrs – 11:30 hrs

Tea

11:30 hrs – 13:30 hrs

Session I

I1. Aradhana Shrivastava, *Influence of weak binding and exotic structure in reaction with weakly bound nuclei near the Coulomb barrier*

I2. A. G. Smith, *Neutron-induced fission with STEFF*

I3. P. Chowdhury, *Isomers in heavy deformed nuclei*

13:30 hrs – 14:30 hrs

Lunch

14:30 hrs – 16:30 hrs

Session II

I4. B. B. Back, *HELIOS: A new concept for the studies of light-ion reactions with radioactive beams*

I5. Betty Tsang, *Neutron spectroscopic factors in transfer reactions*

I6. Sanjib Gupta, *Electron capture heating in the neutron star crust*

16:30 hrs – 17:00 hrs

Tea

17:00 hrs – 18:30 hrs

Session III Oral Presentation (Parallel)

Oral I: A1-A7 Oral II: B1-B7 Oral III: D1-D8

21st December 2010, Tuesday

09:30 hrs – 11:00 hrs

Session IV

I7. Arun K. Jain, *Knockout reactions: analysis, results and applications*

I8. L. Satpathy, *Fission of heavy uranium and thorium isotopes: source of new phenomena and dynamics*

I9. S.K. Chamoli, *$g(2_1^+)$ factor measurement with radioactive beam*

11:00 hrs – 11:30 hrs

Tea

11:30 hrs – 13:30 hrs

Session V

I10. David Jenkins, *Studies of exotic nuclei using accelerated radioactive beams at EXISOLDE and HIEISOLDE*

I11. R. Palit, *Investigation of exotic nuclear shapes and its evolution using a large Compton suppressed Clover Array*

I12. I. Martel, *Recent progress in HYDE and GASPARD detectors*

13:30 hrs – 14:30 hrs

Lunch

14:30 hrs – 16:30 hrs

Session VI Poster presentation

T1-T22, A18-A61, B26-B53, C3-C6, D9-D20

16:30 hrs – 17:00 hrs

Tea

17:00 hrs – 18:30 hrs

Session VII Oral Presentation (Parallel)

Oral I: A8-A14 Oral II: B8-B15 Oral III: F1-F4,G1-G3

22nd December 2010, Wednesday

09:30 hrs – 11:00 hrs

Session VIII

I13. A. S. Barabash, *75 years of double beta decay: yesterday, today, and tomorrow*

I14. Vandana Nanal, *Feasibility study of neutrinoless double beta decay in ^{124}Sn*

I15. J. Lubian, *Study of the interplay between breakup of weakly bound nuclei and other reaction mechanisms*

11:00 hrs – 11:30 hrs

Tea

11:30 hrs – 13:30 hrs

Session IX Oral Presentation (Parallel)

**Oral I: A15-A17, C1-C2, H1-H5 Oral II: B16-B25
Oral III: G4-G12**

13:30 hrs – 14:30 hrs

Lunch

14:30 hrs – 16:30 hrs

Session X Poster presentation

E24-E27, F5-F19, G13-G39, H11-H66

16:30 hrs – 17:00 hrs

Tea

17:00 hrs – 18:30 hrs

Session XI

I16. G. Prete, *The SPES project at the INFN-Legnaro National Laboratories*

I17. E. T. Subramaniam, *Current & the future trends of data acquisition systems*

I18. S. K. Singh, *Particle accelerator control systems*

18:30 hrs – 18:45 hrs

Tea

18:45 hrs – 19:30 hrs

Evening lecture

Umesh Garg, *Future Prospective in Nuclear Spectroscopy*

23rd December 2010, Thursday

09:30 hrs – 11:00 hrs

Session XII

I19. M. Saha Sarkar, *Evolution of sd – fp shell gap for upper sd shell nuclei*

I20. Satyajit Saha, *Investigation of high spin states of trans-Lead nuclei*

I21. V. K. Madan, *Application of digital signal processing to nuclear spectroscopy*

11:00 hrs – 11:30 hrs

Tea

11:30 hrs – 13:30 hrs

Session XIII

I22. Asmita Mukherjee, *Some topics of Current Interest in QCD Spin Physics*

I23. D. K. Srivastava, *Recent advances in the theory of Quark Gluon Plasma*

I24. Ajit M. Srivastava, *Super-horizon fluctuations and acoustic oscillations in CMBR and in relativistic heavy-ion collisions*

13:30 hrs – 14:30 hrs

Lunch

14:30 hrs – 16:30 hrs

Session XIV

Poster presentation

A62-A111, B54-B96, E6-E27

16:30-17:00

Tea

17:00 hrs – 18:30 hrs

Session XV

Thesis Presentations

24th December 2010, Friday

09:30 hrs – 11:00 hrs

Session XVI

I25. T. K. Jha, *Application of Relativistic Mean Field (RMF) Theory in Nuclear Physics*

I26. Ameeya A. Bhagwat, *Global mass formula with shell corrections based on Wigner-Kirkwood method*

I27. S. Sarkar, *New Shell Closure in Exotic Neutron-rich Sn Isotope: Role of 3-Body Force*

11:00 hrs – 11:30 hrs

Tea

11:30 hrs – 13:00 hrs

Session XVII

I28. W. G. Lynch, *Constraints on the symmetry energy from heavy ion collisions*

Oral I: H6-H10 Oral II:E1-E5 (Parallel)

13:00 hrs – 14:00 hrs

Lunch

14:00 hrs – 15:00 hrs

Summary