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)

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)

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

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

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

121. 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

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

123. D. K. Srivastava, Recent advances in the theory of Qurak Gluon Plasma

124. 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**