PROGRAMME

8th December 2009, Tuesday

09:45 hrs – 10:30 hrs  Inaugural Session

10:30 hrs – 11:30 hrs  I1. Dieter Ackermann, Superheavy Elements – investigating the properties of exotic high-Z nuclear matter
                      I2. Volker Metag, Properties of Hadrons in strongly interacting matter

11:30 hrs – 12:00 hrs  Tea

12:30 hrs – 13:30 hrs  Session I
                      I3. Rolf-Dietmar Herzberg, Spectroscopy of superheavy nuclei
                      I4. Alexander Eremin, Gamma and electron spectroscopy of transfermium isotopes at Dubna: results and plans

13:30 hrs – 14:30 hrs  Lunch

14:30 hrs – 15:30 hrs  Session II
                      I5. D. R. Chakrabarty, Unusual features in proton and alpha spectra from low-energy heavy-ion reaction
                      I6. Smarajit Triambak, Testing fundamental symmetries using radioactive ion beams at TRIUMF-ISAC


16:30 hrs – 18:30 hrs  Session III
                      I7. Hiroyoshi Sakurai, RIKEN RI Beam Factory Project - present status and perspectives
                      I8. R. K. Bhandari, Beam Development and Utilization Program of Kolkata Superconducting Cyclotron
                      I9. Amit Roy, Heavy Ion Linear Accelerator programmes in India
                      I10. Nigel Lockyer, Plans for Rare Isotope Beams at TRIUMF 2010-2015
9th December 2009, Wednesday

09:30 hrs – 11:00 hrs  Session IV

I11. Mahananda Dasgupta, New insights into reaction dynamics of light weakly bound nuclei

I12. R. Kanungo, Exploring neutron-rich nuclei through low and high energy reactions

I13. Lorenzo Corradi, Heavy Ion Transfer Reactions: Status and Perspectives

11:00 hrs – 11:30 hrs  Tea

11:30 hrs – 13:00 hrs  Session V

I14. R. Bhalerao, Transport properties of the fluid produced at RHIC

I15. Barbara Jacak, Probing the hottest matter on earth: News from PHENIX at RHIC

I16. Nu Xu, STAR Experiment at RHIC

13:00 hrs – 14:00 hrs  Lunch

14:00 hrs – 16:00 hrs  Session VI

I17. Bertram Blank, The DESIR facility at SPIRAL2

I18. Tommi Eronen, Overview of JYFLTRAP mass measurements and testing the unitarity of the CKM matrix

I19. Olof Tengblad, NUSTAR and the status of the R3B project at FAIR

I20. Riccardo Cerulli, Signals from dark Universe: DAMA/LIBRA at LNGS

16:00 hrs – 18:30 hrs  Tea & Poster Session (A30-A63, B17-B66, C5-C6, D1-D21, E1-E24, H24-H42)
10th December 2009, Thursday (TIFR)

09:30 hrs – 11:00 hrs  
**Session VII**

**I21. Indranil Mazumdar,** *Efimov States and Their Fano Resonances in 2-n Halo Nuclei*

**I22. Ashok Kumar Jain,** *Magnetic Roataion – Past, Present & Future*

**I23. Sven Aberg,** *Regularity and chaos in nuclear structure*

11:00 hrs – 11:30 hrs  
**Tea**

11:30 hrs – 13:00 hrs  
**Session VIII**

**I24. Hans W. Wilschut,** *β decay and the electric dipole moment: Searches for Time-Reversal Violation in radioactive nuclei and atoms*

**I25. Chiara Brofferio,** *Present and future strategies for 0ν-DBD searches*

**I26. P. K. Rath,** *Structure of nuclear transition matrix elements for neutrinoless double-β decay*

13:00 hrs – 14:00 hrs  
**Lunch**

14:00 hrs – 16:00 hrs  
**Session IX**

**I27. James P. Vary,** *Ab initio Hamiltonian approach to light nuclei and quantum field theory*

**I28. Olaf Scholten,** *Multi-Reaction-Channel Fitting Calculations in a Coupled-Channels Model; Photo-Induced Strangeness Production*

**I29. Rainer J. Fries,** *High Energy Nuclear Collisions: Theory Review*

**I30. Tomofumi Nagae,** *Hypernuclei and Strangeness physics program at JPARC*

16:00 hrs – 17:00 hrs  
**Tea & Thesis Poster session (T1-T10)**

17:00 hrs  
**Visit to Pelletron Linac facility**
11th December 2009, Friday

09:30 hrs – 11:00 hrs

**Session X**

**I31.** R. Shyam, *Dilepton production in nucleon-nucleon collisions around 1 GeV/nucleon: a theoretical prospective*

**I32.** Andrea Vitturi, *Giant and pigmy dipole resonances in neutron-rich nuclei far from the stability: their excitation via Coulomb and nuclear fields*

**I33.** Peter von Neumann-Cosel, *Pygmy dipole resonance in stable nuclei*

11:00 hrs – 11:30 hrs

**Tea**

11:30 hrs – 13:00 hrs

**Session XI**

**I34.** Augusto O. Macchiavelli, *Selected Topics in the Structure of Exotic Nuclei*

**I35.** Tumpa Bhattacharya, *Structure of A ~ 130 nuclei in La-Ce region*

**I36.** S. S. Ghugre, *Experimental study of nuclei in the vicinity of “island of inversion” through the fusion reaction*

13:00 hrs – 14:00 hrs

**Lunch**

14:00 hrs – 16:00 hrs

**Session XII**

**I37.** A. Mukherjee, *Influence of projectile breakup on complete fusion*

**I38.** Rajdeep Chatterjee, *Progress in all order breakup reaction theories*

**I39.** Jose L. Tain, *Beta Decay Total Absorption Gamma-Ray Spectroscopy in Basic and Applied Nuclear Research*

**I40.** Philip J. Woods, *Advances in explosive nuclear astrophysics*

16:00-17:30

**Tea & Poster Session (A64-A92, B67-B91, C7-C8, G1-G15, H1-H23)**

17:30 hrs – 1830 hrs

**Session XIII**

**Thesis Presentation (3 Nos.)**
12th December 2009, Saturday

09:30 hrs – 11:00 hrs  
**Session XIV**

**I41. A. M. Vinod Kumar,** *Fusion using radio active ion beams*

**I42. A. Navin,** *Approaching new limits in exploiting reactions around the Coulomb barrier at GANIL*

**I43. B. K. Nayak,** *A new hybrid surrogate ratio method for neutron-induced fission cross section measurements of short-lived actinides*

11:00 hrs – 11:30 hrs  
**Tea**

11:30 hrs – 13:00 hrs  
**Session XV**

**I44. Gargi Choudhury,** *The Canonical and Grand Canonical Model for nuclear multifragmentation*

**I45. D. V. Shetty,** *From atomic nucleus to neutron star: the nuclear equation of state and the density dependence of the symmetry energy*

**I46. Susan Schadmand,** *Hadrons and Broken Symmetries with WASA-at-COSY*

13:00 hrs – 14:00 hrs  
**Lunch**

14:00 hrs – 16:00 hrs  
**Session XVI**

**I47. Valdir Guimaraes,** *Low energy nuclear reactions with double-solenoid based RNB*

**I48. N. Madhavan,** *HYbrid Recoil mass Analyzer at IUAC – First results using gas-filled mode and future plans*

**I49. Suresh Kumar,** *Neutron time of flight detector array at Pelletron-Linac facility at Mumbai*

**I50. Saila Bhattacharya,** *Nuclear physics with superconducting cyclotron at Kolkata: Scopes and possibilities*

16:00 hrs – 17:00 hrs  
**Summary**

1700 hrs  
**Tea**