

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*

15:30 hrs – 16:30 hrs

Tea & Poster Session (A1-A29, B1-B16, C1-C4, F1-F35)

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 $A \sim 130$ 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