

India-UK seminar in Nuclear Physics at ISOLDE
January 22-24, 2014
Department of Physics Panjab University, Chandigarh

Schedule

22-01-2014

Session-01: Venue: Physics Auditorium

9:30 – 10:00	Inauguration	Prof. A.K. Bhandari Dean University Instruction, Panjab University
10:00 – 10:20	Prof. David Jenkin / Prof.B.R. Behera	India-UK seminar programme and the intended objectives
10:20 – 11:00	Prof. Peter Butler University of Liverpool, UK	Physics opportunities at ISOLDE and the HIE- ISOLDE project

Tea 11:00 – 11:30

Session-02: Venue: Physics Auditorium

11:30 – 12:00	Prof. David Jenkin University of York, UK	Coulomb excitation Studies on shape coexistence at ISOLDE
12:00 – 12:30	Prof Andrei Andreyev University of York, UK	Beta-delayed fission in heavy neutron-deficient and neutron-rich nuclei
12:30 – 13:00	Discussion on Mini ball spectrometer at ISOLDE	

Lunch 13:00 – 14:30

Session-03: Venue: Physics Seminar Room

14:30 – 15:00	Prof. A. Chakrabarti VECC, Kolkata, India	TBA
15:00 – 15:30	Prof. U.D. Pramanik SINP, Kolkata, India	Exploring exotic properties of the Nuclei near drip line using radioactive ion beam facilities
15:30 – 16:00	Prof. Thomas Cocolios University of Manchester, UK	At the forefront of mass measurement with the ISOLTRAP experiment at CERN-ISOLDE

Tea 16:00 – 16:30

Session04: Venue: Physics Seminar Room

16:30 - 17:00	Prof. Phil Woods University of Edinburgh, UK	Nuclear Astrophysical Reaction Studies with Heavy Ion Storage Rings
17:00 – 17:30	Prof. N. Madhavan IUAC, New Delhi, India	Nuclear reaction dynamics studies using recoil separators at IUAC
17:30 -18:00	Prof. Rajdeep Chatterjee IIT Roorkee, India	Probing exotic structures with electromagnetic dissociation
18:00 – 18:30	Prof. B.R. Behera Panjab University, India	Nuclear Reaction Studies at NAND facility
18:30 – 19:00	Discussion on Indian RIB facilities and possible link to HIE ISOLDE	Tea/Soup/Coffee will be served in the meeting room

Dinner 19:30 Onwards: Physics Lawn

23 – 01 – 2014

Session-01 Venue: Physics Seminar Room

9:30 – 10:00	Prof. David Jenkin University of York, UK	Physics opportunities with SOLENOID Spectrometer
10:00 – 10:30	Prof. R. Palit TIFR, Mumbai, India	Physics Highlights from Digital INGA and Plans for Ancillary Detectors
10:30 – 11:00	Prof. Peter Butler University of Liverpool, UK	Studies of Octupole deformed nuclei at ISOLDE

Tea 11:00 – 11:30

Session-02 Venue: Physics Seminar Room

11:30 – 12:00	Prof. B.N.Jagtap BARC, Mumbai, India	TBA
12:00 – 12:30	Prof. Thomas Cocolios University of Manchester, UK	Nuclear structure studies and applications with high-resolution laser spectroscopy techniques at ISOLDE: COLLAPS, CRIS &VITO
12:30 – 13:00	Prof Andrei Andreyev University of York, UK	Resonance laser spectroscopy of Au-At isotopes with RILIS@ISOLDE.

Lunch: 13:00 – 14:30

Session-03 Venue: Physics Seminar Room

14:30 – 15:00	Discussion on Laser spectroscopy and related activities	
15:00 – 15:30	Prof. S.K. Varshney Director, Bilateral Cooperation Division DST, Govt. Of India	India UK scientific cooperation: Expectation from this workshop and what next.
15:30 – 16:00	Prof. V. Nanal TIFR, Mumbai, India	Reactions with weakly bound nuclei at near barrier energies

Tea: 16:00 – 16:30

Session-04 Venue: Physics Seminar Room

16:30 - 17:00	Prof. A.K. Bhati Panjab University, India	In-Beam Hyperfine Interaction Measurements
17:00 – 17:30	Prof. Samit Mandal Delhi University, Delhi	Multi-nucleon transfer: a probe to investigate the reaction mechanism around the barrier
17:30 -18:00	Prof. S.K. Patra IOP, Bhubaneswar, India	Gravitational wave from rotating neutron star
18:00 – 18:30	Discussion on SOLENOID Spectrometer and TSR ring at ISOLDE	Tea/Soup/Coffee will be served in the meeting room
18:30 – 19:30	Discussion on Indian Facilities	Complementary experiments at Indian Accelerator facilities

Dinner 7:30 onwards: Physics Lawn

24-01-2014

Session-01 Venue: Physics Seminar Room

9:30 – 10:00	Prof. S. Muralithar IUAC, New Delhi, India	Study of nuclear shapes in extreme conditions
10:00 – 10:30	Prof. Akhil Jhingan IUAC, New Delhi, India	Instrumentation and Detector Development for Nuclear Reaction Studies
10:30 – 11:00	Prof. J.N. Goswamy UIET, Panjab University, India	Nuclear Structure Studies in mass 100 region

Tea 11:00 – 11:30

Session-02 Venue: Physics Seminar Room

11:30 – 12:00	Prof. K.P. Singh Panjab University, India	Coulomb Excitation Studies at Panjab University
12:00 – 12:30	Prof. A.M. Vinod Kumar University of Calicut, India	Study of multi nucleon transfer in ${}^9,{}^{11}\text{Li} + {}^{208}\text{Pb}$ reactions
12:30 – 13:00	Prof. B.K. Nayak BARC, Mumbai, India	Compound nuclear Cross Sections of unstable nuclei by surrogate reaction methods for energy and allied applications

Lunch : 13:00 – 14:00

Session-03 Venue: Physics Seminar Room

14:00 – 14:15	Possible funding opportunities for research between India and UK
14:15-14:45	Discussion for forming working groups for the collaboration between India and UK

14:45: End of the meeting