

**Day 1: Monday, December 10, 2018**

**Venue: Main Auditorium, DAE Convention Centre, Anushaktinagar**

9.30-11.00 Hrs	<b>Inauguration</b> Keynote Speaker: S. S. Kapoor, BARC , Mumbai
----------------	---

**High Tea & Group Photograph**

**Session: I**

11.30-13.00 Hrs	11.30-12.00	Probing exotic structures with electromagnetic dissociation: Applications in Nuclear Astrophysics : Rajdeep Chatterjee, IIT Rourkee
	12.00-12.30	An overview of J-PARC science : N. Saito, J-PARC, Japan
	12.30-13.00	Recent Results in Neutrino Physics and Future Prospects : Brajesh C. Choudhary, Delhi University

**Lunch**

**Poster Session : I**

14.00-15.00 Hrs	<i>Thesis Contributions : T1 -T20,</i> <i>Contributions : A1-A30, B1-B30, C1-C30</i>
-----------------	---

**Session: II**

15.00-16.00 Hrs	15.00-15.30	Status of Helium-Jet Ion-Source development at NSCL/FRIB: J. J. Das, NSCL, USA
	15.30-16.00	Fission Dynamics Study of Heavy and Super-heavy Nuclei through Neutron Multiplicity and Mass Distribution Measurements : B. R. Behera, Panjab University

**Tea/Coffee Break**

**Poster Session : II**

16.30-18.00 Hrs	<i>Thesis Contributions : T1-T20,</i> <i>Contributions : A31-A60, B31-60, G1-G35</i>
-----------------	---

**Tea/Coffee Break**

**Evening Lecture : S. Banerjee (HBNI) ( 18.30-19.30)**

**Director's Dinner (19.30-21.00)**

**Day 2: Tuesday, December 11, 2018**

**Venue: Main Auditorium, DAE Convention Centre, Anushaktinagar**

<b>Session: III</b>		
09.30-11.00 Hrs	09.30-10.00	New Horizons at GANIL: A. Navin, GANIL, France
	10.00-10.30	Physics Highlights from Digital INGA and Future Developments : R. Palit, TIFR, Mumbai
	10.30-11.00	Insight the nuclear structure from isomer and decay spectroscopy : Radomira Lozeva, CSNSM, IN2P3/CNRS, France

<b>Tea/Coffee Break</b>		
<b>Session: IV</b>		
11.30-13.00 Hrs	11.30-12.00	Gaseous Detectors for Nuclear and particle physics, Fundamentals and beyond : A. Sharma, CERN, Switzerland
	12.00-12.30	Underwater threats detection with neutrons: the SABAT project : Silarski, Jagiellonian University, Poland
	12.30-13.00	Towards a nuclear optical clock based on $^{229}\text{Th}$ : L. von der Wense, LMU, Munchen, Germany

<b>Lunch</b>		
<b>Poster Session : III</b>		
14.00-15.00 Hrs	<i>Thesis Contributions : T1-T20,</i> <i>Contributions : A61-A90, B61-B90, D1-D30</i>	

<b>Session: V</b>		
15.00-16.00 Hrs	15.00-15.30	The Value of Electromagnetic Transition Form Factors of Light Mesons S. Schadmand, IKP, FZ, Germany
	15.30-16.00	Search for the exotic nuclear matter with WASA-at-COSY : P. Moskal, Jagiellonian University, Poland

<b>Tea/Coffee Break</b>		
<b>Poster Session : IV</b>		
16.30-18.00 Hrs	<i>Thesis Contributions : T1 -T20,</i> <i>Contributions : A91-A120, B91-120, F1-F6, G36-G65</i>	

<b>Cultural Program ( 18.30-19.30)</b>		
<b>Banquet (20.00-22.30)</b>		

**Day 3: Wednesday, December 12, 2018**

**Venue: Main Auditorium, DAE Convention Centre, Anushaktinagar**

<b>Session: VI</b>		
09.30-11.00 Hrs	09.30-10.00	Digital Pulse Processing and Data Acquisition for Gamma-ray Spectroscopy: Perspectives, Developments and Applications : R. Raut, UGC-DAE CSR, Kolkata
	10.00-10.30	Using Fast Neutrons to Probe the Structure of Candidates for Neutrinoless Double-Beta Decay S. W. Yates, University of Kentucky, USA
	10.30-11.00	Non-equilibrium processes in nuclear reactions with heavy ions : Olga V. Fotina, M.V. Lomonosov Moscow State University, Russia

<b>Tea/Coffee Break</b>		
<b>Session: VII</b>		
11.30-13.00 Hrs	11.30-12.00	Radiochemical studies on fission dynamics and nuclear decay data : R. Tripathi, BARC Mumbai
	12.00-12.30	Shell effects in the fission of nuclei around Mercury: E. Prasad, CU Kerala
	12.30-13.00	Fission reactions involving weakly bound stable projectiles: S. Santra, BARC, Mumbai

<b>Lunch</b>		
<b>Poster Session : V</b>		
14.00-15.00 Hrs	<i>Thesis Contributions : T1-T20, Contributions : A121-A156, B121-150, E1-E30</i>	

<b>Session: VIII</b>		
15.00-16.30 Hrs	15.00-15.30	Test of CPT symmetry with the KLOE detector : E. Czerwinski, Jagiellonian University, Poland
	15.30-16.00	Studies of the decay of positronium atoms with the J-PET detector : Sushil K. Sharma, Jagiellonian University, Poland
	16.00-16.30	Particle production in ultra-relativistic heavy-ion collisions at the LHC Enrico Fragaicomo, INFN, Trieste, Italy

<b>Tea/Coffee Break</b>		
<b>Poster Session : VI</b>		
17.00-18.30 Hrs	<i>Thesis Contributions : T1-T20, Contributions : B150-189, D31-D48, E31-51, G66-G93</i>	

<b>Dinner ( 19.30-21.00)</b>		
------------------------------	--	--

**Day 4: Thursday, December 13, 2018**

**Venue: Main Auditorium, TIFR, Colaba**

<b>Tea</b>		
<b>Session: IX</b>		
10.30-12.30 Hrs	10.30-11.00	Recent progress of experimental nuclear physics facilities and research at VECC: Amitava Roy, VECC, Kolkata
	11.00-11.30	Facilities for Nuclear Physics Research at Mumbai: B. K. Nayak, BARC, Mumbai
	11.30-12.00	Hybrid Recoil mass Analyzer (HYRA) at IUAC, New Delhi: the path traveled so far and the way ahead: N. Madhavan, IUAC, New Delhi
	12.00-12.30	FRENA – A low energy, high current accelerator facility for research in Nuclear Astrophysics at SINP, Kolkata : Subinit Roy, SINP, Kolkata

<b>Lunch</b>	
14.00-16.00 Hrs	<b>Visit to BARC-TIFR Pelletron-Linac Facility</b>

<b>Tea/Coffee</b>	
-------------------	--

**Day 5: Friday, December 14, 2018**

**Venue: Main Auditorium, DAE Convention Centre, Anushaktinagar**

<b>Thesis Session</b>		
09.30-11.00 Hrs	09.30-11.00	Shortlisted Oral Thesis Presentations

<b>Tea/Coffee Break</b>		
<b>Session: X</b>		
11.30-13.00 Hrs	11.30-12.00	Searches for New Physics through Dark Matter and Neutrino Interactions : R. Mahapatra, Texas A&M Univ., USA
	12.00-12.30	Revisiting Neutrino Oscillation Physics in presence of Nuclear Effects : Jyotsna Singh, Lucknow Univ., Lucknow
	12.30-13.00	CERN openlab: driving innovation in HEP computing : Federico Carminati, CERN, Switzerland

<b>Lunch</b>		
<b>Session: XI</b>		
14.00-15.00 Hrs	14.00-14.30	Superheavy Elements - Synthesis and Modes of Decay : K. P. Santhosh, Kannur University, Kerala
	14.30-15.00	Signature of $\alpha$ -clusters in light nuclei : Tapan Kumar Rana, VECC, Kolkata

<b>Tea/Coffee Break</b>		
<b>Concluding Session</b>		
15.30-17.00 Hrs	Award Distribution	
	Summary Talk : V. M. Datar, TIFR	
	Concluding Remarks : A. K. Mohanty	