

**Scientific Programme: A Journey from Nuclei to Quarks: 28 - 29 June, 2016**

<b>28th June, 2016 AD Lecture Hall, VECC</b>		
9:00 - 9:45	Registration	
9:45 - 10:00	Welcome & opening remarks	
<b>Session-I: Chair: Ajit K Mohanty</b>		
10:00 - 10:30	Sudhee Ranjan Banerjee	Nuclear Physics at VECC
10:30 - 11:00	Vivek M. Datar	Indian neutrino observatory
	<b>Tea</b>	
<b>Session II: Chair: Ranjan Bhowmick</b>		
11:30-11:55	Ashoke K. Jain	A new kind of seniority isomers
11:55-12:20	Devasish Narayan Basu	A journey from finite nuclei to compact stars
12:20-12:35	Gurjit Kaur	Role of deformations and orientations on the compactness of Z=113 isotopes
12:35- 12:50	Soumik Bhattacharya	Evolution of high-j orbital near $^{208}\text{Pb}$
12:50 - 13:05	Nithu Ashok	Ground state properties of Praseodymium isotopes within Hartree Fock Bogoliubov theory
	<b>Lunch</b>	
<b>Session III: Chair: R.K. Choudhuri</b>		
14:30 - 14:55	Subhasis Chattopadhyay	Experimental signatures of QGP from RHIC to LHC & FAIR
14:55 - 15:20	Prashant Shukla	How successful are quarkonia in probing the nuclear collisions at high energies ?
15:20-15:45	Binay Patra	Heavy quarkonia
15:45 - 16:00	Rismita Ghosh	Heavy pentaquark $P_c^*$ (4380) and $P_c^*$ (4450) mass with diquark as quasi-particle
<b>16:00 -17:00</b>	<b>Tea + poster</b>	
<b>Session IV: Chair: Shashi Phatak</b>		
17:00 - 17:25	Jane Alam	Hot and dense matter: recent developments at VECC
17:25-17:40	Somnath De	Effect of neutron skin thickness on inclusive prompt photon production at LHC energies
17:40-17:55	Hamid Nanda	Bulk viscosity near QCD chiral phase transition and Nambu-Goldstone mode effect
17:55-18:10	Captain Rituraj Singh	$p_T$ dependent charmonia regeneration in relativistic heavy ion collisions

**29th June, 2016****AD Lecture Hall, VECC****Session V: Chair: A.K. Sinha**

9:45 - 10:10	Alok Chakrabarti	Our cosmic connection
10:10-10:35	Arun Jain	Study of clustering and pairing in nuclei
10:35-10:50	Dipayan Chattopadhyay	Resonant breakup of ${}^6\text{Li}$ by ${}^{112}\text{Sn}$
10:50-11:05	Santu Manna	Cluster correlation in dissipative binary decay of ${}^{24,25}\text{Mg}^*$ at high excitation
	<b>Tea</b>	

**Session VI: Chair: R.K. Bhandari**

11:30-11:55	Satyajit Saha	Dark matter search experiment: Indian initiative
11:55 - 12:20	Ajit Srivastava	Flow as a probe of the phases of QCD matter formed in heavy-ion collisions
12:20-12:45	Rupa Chatterjee	Anisotropic flow of photons in relativistic heavy ion collisions
12:45-13:10	Raktim Abir	Scale and energy evolution of jet quenching parameter
	<b>Lunch</b>	

**Fest Colloquium: Meghnad Saha Auditorium, SINP**

<b>14:45 - 15:15</b>	<b>Tea</b>	
15:15 - 18:00	Fest Colloquium	