

**Programme of Activities at the TCGC-ER, Hosted by Presidency
University, Kolkata, August 9th, 2014**

Time	Title	Speaker
10:00	Welcome Speech	Somak Raychaudhury (Presidency U.)
<i>Session 1: Astroparticle Physics (Chair: Kaushik Dutta, SINP)</i>		
10:10	Invited Talk 1: Dark Matter Candidates and Their Experimental Search	Pijushpani Bhattacharjee (SINP)
10:55	Contributed Talk: Study of Non-Canonical Scalar Field Model using CPL Parameterization	Abdulla Al Mamon (Visva-Bharati)
11:10	Tea/Coffee Break	
11:45	Contributed Talk: Chaplygin Gas Accretion Flow: Towards Pre-prescribed Limit of η over s	Ritabrata Biswas (IEST, Shibpur)
12:00	Contributed Talk: Effect of Cosmic Back-Reaction on an Accelerating Universe	Nilok Bose (SNBNCBS)
12:15	Lunch Break	
<i>Session 2: Theories of Gravity (Chair: Golam Mortuza Hossain, IISER, Kolkata)</i>		
1:15	Invited Talk 2: Alternative Theories of Gravity	Narayan Banerjee (IISER, Kolkata)
2:00	Contributed Talk: An Interesting Feature of Perfect Fluid Collapse	Sarbari Guha (St. Xavier's College)
2:15	Contributed Talk: Effect of Cosmic Acceleration on Black Hole Thermodynamics	Abhijit Mandal (IEST, Shibpur)
2:30	Tea/Coffee Break	
<i>Session 3: Observational Cosmology (Chair: Supratik Pal, ISI, Kolkata)</i>		
3:10	Invited Talk 3: Seeing the Universe with Redshifted 21-cm radiation	Somnath Bharadwaj (IIT, Kharagpur)
3:55	Contributed Talk: 21-cm Signal from the Epoch of Reionization: Observation and Semi-Numerical Simulations	Rajesh Mondal (IIT, Kharagpur)
4:10	Contributed Talk: Inflationary Model Building, Reconstruction and Observational Limits	Sayantan Choudhury (ISI, Kolkata)
4:25	Contributed Talk: X-ray Surface Brightness Profile of Simulated Galaxy Groups	Rudrani Kar Chowdhury (Presidency U.)
4:40	Open Session (Introspection and Plan for Future Meetings)	
5:15	Tea/Coffee and Refreshments	