

**INTERNATIONAL CONFERENCE ON MATTERS OF GRAVITY AND
THE UNIVERSE October 27-29, 2014**

Centre for Theoretical Physics

Jamia Millia Islamia, New Delhi-110025

DAY I- Monday, October 27, 2014

PROGRAMME		
<i>Time</i>	<i>Speaker</i>	<i>Title of the Talk</i>
Session I Chair: M. SAMI		
09:30-10:00	Inauguration	
	CHIEF GUEST: Prof. Talat Ahmad, Vice Chancellor, JMI	
10:00-10.30	<i>J V Narlikar</i>	<i>Naresh, White Holes and I</i>
10:30-11:00	HIGH - TEA	
Session II Chair: R. Rajaraman/ Sushant G. Ghosh		
11:00-11:30	<i>Romesh Kaul</i>	<i>Black hole entropy: Beyond Bekenstein-Hawking area law</i>
11:30-12:00	<i>Amitabh Lahiri</i>	<i>Kaluza reduction of Eddington-Born-Infeld action</i>
12:00-12:30	<i>L. Sriramkumar</i>	<i>Computation and characteristics of inflationary three-point functions</i>
12:30-01:00	<i>N. Panchpakesan</i>	<i>Black holes- Back to the Basics</i>
01:00-02:30	LUNCH	
Session III Chair: Ramesh Tikekar		
02:30-03:00	<i>Sailom Mukherjee</i>	<i>Quantum cosmology and emergent universe</i>
03:00-03:30	<i>C S Unnikrishnan</i>	<i>Relativity, Dynamics and Gravity in the 'once-given' universe</i>
03:30-04:00	TEA	
Session IV Chair: T. R. Seshadri		
04:00-04:30	<i>Bobomurat Ahmedov</i>	<i>Electromagnetic fields and plasma magnetospheres of compact objects in general relativity</i>
04:30-05:00	<i>Hamsa Padmanabhan</i>	<i>Probing the universe: Through reionization and later</i>
05:00-05:30		

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DAY II- Tuesday, October 28, 2014

PROGRAMME

<i>Time</i>	<i>Speaker</i>	<i>Title of the Talk</i>
Session I		Chair: Tabish Qureshi
09:30-10:00	Narayan Banerjee	Addressing non-unitarity in anisotropic quantum cosmology
10:00-10:30	Parampreet Singh	Quantum versions of Nariai and anti Bertotti-Robinson spacetimes
10:30-11:00		TEA
Session II		Chair: Vikram Soni
11:00-11:30	Roy Maartens	GR in cosmology
11:30-12:00	Tarun Souradeep	Observational hints beyond standard model cosmology
12:00-12:30	Jose Senovilla	XXI Century singularity theorems
12:30-01:00	Archan Majumdar	Backreaction from in-homogeneities: Does it affect future evolution?
01:00-02:30		LUNCH
Session III		Chair: Anjan A. Sen
02:30-03:00	Bikash Paul	Emergent universe with interacting fluids and laws of thermodynamics
03:00-03:30	Banibrata Mukhopadhyay	Super- and Sub-Chandrasekhar limiting masses of White dwarfs and their consequences in nature
03:30-04:00		TEA
Session IV		Chair: M. Sami
04:00-05:30		Hello, Naresh!
		Felicitaton of Prof Naresh Dadhich
		Former Director, IUCAA and M A Ansari Chari - CTP, JMI

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DAY III- Wednesday, October 29, 2014

PROGRAMME

<i>Time</i>	<i>Speaker</i>	<i>Title of the Talk</i>
Session I		Chair: Sanjay Jhingan
09:30-10:00	T. R. Govindrajan	Novel bound states on boundary and black hole states
10:00-10:30	I. Neupane	Constraints on different models for inflation after BICEP2 and PLANCK
10:30-11:00	TEA	
Session II		Chair: Q. N. Usmani
11:00-11:30	Reza Tavakol	Cosmological backreaction from discrete matter distributions
11:30-12:00	Yuri Shtanov	No-boundary conditions for Braneworld perturbations
12:00-12:30	Xian Camanho	Causality constraints on corrections to the graviton three-point coupling
12:30-01:00	Radouane Gannouji	Dynamical systems and black holes
01:00-02:30	LUNCH	
Session III		Chair: Rathin Adhikari
02:30-03:00	Sunil Maharaj	Some properties of generalized Vaidya models
03:00-03:30	Avas Khugaev	To the integration of high dimensions Einstein equations
03:30-04:00	TEA	
Session IV		Chair: Somasri Sen
04:00-04:30	Shreya Banerjee	Classicalization of tensor perturbations in the light of BICEP2
04:30-05:00	Sudan Hansraj	Perfect Fluids in Einstein—Gauss—Bonnet gravity
05:00-05:30	Sanjay Wagh	Questioning the relativity of time