

## Recent Topics in String Theory and Cosmology

### 28<sup>th</sup> March: Physics Building Seminar Room

Time	Speaker	Title
10:00 -11:00	Debashish Ghoshal	Wavelets on p-adic space and symmetries
11:00-11:30	TEA	BREAK
11:30-12:30	A. Mazumdar	Skype Talk
12:30-14:30	LUNCH	LUNCH
14:30-15:30	Justin David	TBA
15:30-16:00	TEA	BREAK
16:00-17:00	Rajesh Gopakumar	Free Fields from AdS

### 29<sup>th</sup> March: Physics Building Seminar Room

Time	Speaker	Title
10:00 -11:00	Dileep Jatkar	Hecke Groups and Chazy-type Equations
11:00-11:30	TEA	BREAK
11:30-12:30	R. Loganayagam	Out of time order quantum dissipation
12:30-14:30	LUNCH	LUNCH
14:30-15:30	Aninda Sinha	The simplest bootstrap
15:30-16:00	TEA	BREAK
16:00-17:00	Arnab Kundu	Strings, Schwarzian, Maximal Chaos

### 30<sup>th</sup> March: Physics Building Seminar Room

Time	Speaker	Title
09:30-10:30	Sunil Mukhi	New Results in the Holomorphic Modular Bootstrap
10:30-11:30	Anirban Basu	Eigenvalue equation for genus two modular graphs
11:30-12:00	TEA	BREAK
12:00-13:00	Jyotirmoy Bhattacharyya	Forced holographic superconductors
13:00-14:30	LUNCH	LUNCH
14:30-15:30	Shibaji Roy	Non-supersymmetric D3-brane: complexity and information metric
15:30-16:00	TEA	BREAK
16:00-16:30	Subhabrata Majumdar	Dark Energy - From Planck to CMB-Bharat, and Some Others in Between
16:30-17:00	Anjan A Sen	Dark Energy at a Crossroads: Tension with Expansion History of the Universe and its Possible Resolution
17:00-17:30	Pravabati Chingangbam	Probing the shape of quantum fluctuations

## 31<sup>st</sup> March: Library Building LH1

Time	Speaker	Title
09:30-10:00	Sumathi Rao	Topological phases of quantum matter
10:00-10:30	Sayantan Choudhury	Open Quantum Theory of two entangled atoms in De Sitter Universe
10:30-11:00	Atri Deshamukhya	The Saga of Warm Inflation
11:00-11:30	Mohammad Sami	Scaling solutions in asymptotic regime and issues of inflation and successful baryogenesis
11:30-12:00	TEA	BREAK
12:00-12:30	Supriya K Kar	Shades of Quantum Gravity: Cosmological pairs in a higher form Gauge theory
12:30-13:00	Eric Bergshoe	TBA
13:00-13:30	Debajyoti Choudhury	TBA
13:30-14:30	LUNCH	BREAK
15:00-17:30		FELICITATION OF PROF SUDHAKAR PANDA

*Breakfast will be served from 8:00 am to 10:00 am for 28-29 March and 8:00-9:30 AM on 30-31 March Dinner will be served from 7:30 pm to 10:00 pm*

### VENUE

*Seminars will be held in Physics Seminar Room, 1<sup>st</sup> floor, Physics building for the dates 28-30 March 2019. All the seminars will be held in Library Building LH1 on 31<sup>th</sup> March 2019.*

*Tea / Coffee during break will be served in the Conference Room, 1<sup>st</sup> floor, Physics building for the dates 28-30 March 2019 and near LH1 for 31<sup>th</sup> March 2019.*

*Breakfast / Lunch / Dinner will be served in Room no 304, 3<sup>rd</sup> floor, Physics building.*