

## **Session Program**

**12-17 Oct 2015**



# **Advances in Astroparticle Physics and Cosmology (AAPCOS)**

***Parallel***

Saha Institute of Nuclear Physics, Meghnad Saha Auditorium  
1/AF Bidhannagar, Salt Lake, Sector-1, Kolkata - 700064, India

# Wednesday 14 October

17:25

## Parallel

### Session |

**Location:** Saha Institute of Nuclear Physics, Meghnad Saha Auditorium, 1/AF Bidhannagar, Salt Lake, Sector-1, Kolkata - 700064, India

17:25-17:50

### Thermodynamical Interpretation of Geometrical Variables Associated with Null Surfaces

#### Speaker

Mr Sumanta Chakraborty

#### Location

Saha Institute of Nuclear Physics, Lecture Hall I

17:25-17:50

### Gravity mediated Preheating

#### Speaker

Dr Debaprasad Maity

#### Location

Saha Institute of Nuclear Physics, Meghnad Saha Auditorium, 1/AF Bidhannagar, Salt Lake, Sector-1, Kolkata - 700064, India

17:50-18:05

### Bounds on IDM from the electroweak vacuum metastability

#### Speaker

Najimuddin Khan

#### Location

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17:50-18:05

### Inflationary predictions and moduli masses

#### Speaker

Kumar Das

#### Location

Saha Institute of Nuclear Physics, Lecture Hall I

18:05-18:20

### Consequences of Pilgrim Dark Energy in $(T, T_G)$ cosmology

#### Speaker

Dr Surajit Chattopadhyay

#### Location

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18:05-18:20

### EVIDENCE FOR HIGH DENSITY EARLY UNIVERSE FROM ELEMENTARY PARTICLE PHYSICAL DATA

#### Speaker

Prof. Girish T.E

#### Location

Saha Institute of Nuclear Physics, Lecture Hall I

18:20-18:35

## The Space-time of Dark-matter

### Speaker

Dipanjan Dey

### Location

Saha Institute of Nuclear Physics, Lecture Hall I

18:35

## Friday 16 October

17:20

### Parallel: Parallel

#### Session |

**Location:** Saha Institute of Nuclear Physics, Meghnad Saha Auditorium, 1/AF Bidhannagar, Salt Lake, Sector-1, Kolkata - 700064, India

17:20–17:40

#### Two neutrino double electron capture measurement using pixel detectors

##### Speaker

Dr Joshy M. jose

##### Location

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17:20–17:45

#### Entropy Functional and Second Law in Curvature Squared Gravity

##### Speaker

Dr Srijit Bhattacharjee

##### Location

Saha Institute of Nuclear Physics, Lecture Hall I

17:40–17:55

#### Impact of sterile neutrinos on CP measurements at DUNE

##### Speaker

Mehedi Masud

##### Location

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17:45–18:10

#### Higher spins as saviour of Quantum Universe

##### Speaker

Dr Rudranil Basu

##### Location

Saha Institute of Nuclear Physics, Lecture Hall I

17:55–18:10

#### The Direct Detection of Boosted Dark Matter at High Energies and PeV events at IceCube

##### Speaker

Aritra Gupta

##### Location

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18:10–18:25

#### Exploring Octant and CP violation at DUNE in presence of Reactor Experiments

##### Speaker

Debajyoti Dutta

##### Location

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18:10-18:25

**The k-essence scalar field in the context of Supernova Ia observations****Speaker**

Arka Moulik

**Location**

Saha Institute of Nuclear Physics, Lecture Hall I

18:25-18:40

**Exploring Non Standard Physics in Long-Baseline Neutrino Oscillation Experiments****Speaker**

Sabya Sachi Chatterjee

**Location**

Saha Institute of Nuclear Physics, Meghnad Saha Auditorium, 1/AF Bidhannagar, Salt Lake, Sector-1, Kolkata - 700064, India

18:55