

Session Program

18-20 Dec 2023



PHOENIX-2023

Parallel: BSM + Cosmology

Indian Institute of Technology Hyderabad
Kandi, Sangareddy District - 502284, Telangana, INDIA

Wednesday 20 December

14:30

Parallel: BSM + Cosmology: Day 3 Afternoon Session 1

Session | Location: IIT Hyderabad, Convention Center CC3 | Convener: Soumya Sadhukhan

14:30–14:45
Leptogenesis and Dark Matter Through Relativistic Bubble Walls with Observable Gravitational Waves

Speaker
Indrajit Saha

14:45–15:00
Complementary Probe of Beyond the Standard Model Physics with Gravitational Waves from Electroweak Phase Transition

Speaker
Mr Pankaj Borah

15:00–15:15 **Astrophysical Q-balls and their gravitational microlensing signature**

Speaker
Lalit Singh Bhandari

15:15–15:30
Gravitational wave imprints of the doublet left-right symmetric model

Speaker
Mr Dhruv Ringe

15:30–15:45 **Spinning Primordial Black Holes from First Order Phase Transitions**

Speaker
Indra Kumar Banerjee

15:45–16:00
Probing photon-axion-like particle (ALP) oscillations from the FSRQ QSO B1420+326

Speaker
Bhanu Prakash Pant

16:00

16:30

Parallel: BSM + Cosmology: Day 3 Afternoon Session 2

Session | Location: IIT Hyderabad, Convention Center CC3 | Convener: Bhavik Kodrani

16:30–16:45
Scotogenic $U(1)_{L_{\mu}-L_{\tau}}$ origin of $(g-2)_{\mu}$, W-mass anomaly and 95 GeV excess

Speaker
Mr Partha Kumar Paul

16:45–17:00
Exploring Prospects on an $U(1)_{L_{\mu}-L_{\tau}}$ Extra Dimensional Model by DUNE Near Detector

Speaker
Ayushi Kaushik

17:00–17:15

Leptogenesis studied in left-right symmetric model with A_4 modular symmetry

Speaker
Ankita Kakoti

17:15–17:30

Exploring a Novel Dark Hyper Charge Model.

Speaker
Mr Hemant Kumar Prajapati

17:30