

Session Program

18-20 Dec 2023



PHOENIX-2023

Parallel : Collider + BSM

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

Tuesday 19 December

14:30

Parallel : Collider + BSM: Day 2 Afternoon Session 1

Session | **Location:** IIT Hyderabad, Convention Center CC3 | **Convener:** Kenji Nishiwaki

14:30–14:50 **Search for light long-lived particles at future colliders**

Speakers

Dr NIVEDITA GHOSH, Dr Nivedita Ghosh

14:50–15:10 **SMEFT analysis of charged lepton flavor violating $B\rightarrow K^*\ell\ell$ -meson decays**

Speaker

Dr Joydeep Roy

15:10–15:30 **Dynamic Radius Jet Clustering Algorithm**

Speaker

Dr Tousik Samui

15:30–15:45 **The Hunt for Non-Resonant Signals of Axion-Like Particles at the LHC**

Speaker

Tisa Biswas

15:45–16:00

Interplay of Inert Higgs Doublet and Vector Like lepton in the Context of Dark Matter and Collider Signature

Speaker

CHANDRIMA SEN

16:00

16:30

Parallel : Collider + BSM: Day 2 Afternoon Session 2

Session | **Location:** IIT Hyderabad, Convention Center CC3 | **Convener:** Nilanjana Kumar

16:30–16:45

Signatures of the inert triplet model from vector boson fusion at a muon collider

Speaker

Snehashis Parashar

16:45–17:00

Next-to-minimal Vectorlike Quark models at the LHC: Bounds and Prospects

Speaker

Cyrin Neeraj

17:00–17:15 **Searching for effects beyond SMEFT in flavour physics**

Speaker

Mr Siddhartha Karmakar

17:15–17:30 **Large lepton number violation at colliders in linear seesaw**

Speaker

Praveen Bharadwaj

17:30-17:45

Boosted Top Tagging through Flavour-violating interactions at the LHC

Speaker

Shreecheta Chowdhury

18:00