

Session Program

9-11 Jul 2025

Phoenix 2025

Plenary

Convention Centre

Wednesday 9 July

09:30

Plenary: Day 1, Session 1

Session | **Location:** Convention Centre

09:30–10:00

Left-right symmetric models with lepton portal dark matter

Speaker

Yuji Omura

10:00–10:30

TBA

Speaker

Vikram Rentala

10:30–11:00

Mixing of the photon with axion and axion-like particles

Speaker

Sourov Roy

11:00

11:30

Plenary: Day 1, Session 2

Session | **Location:** Convention Centre

11:30–12:00

Higher order thermal corrections to dark matter annihilations processes

Speaker

Indumathi D.

12:00–12:30

High Energy Astrophysical Neutrinos

Speaker

Subhendu Rakshit

12:30–13:00

Neutrino Oscillations & New Physics Effects

Speaker

Dr Moon Moon Devi

13:00

14:30

Plenary: Day 1, Session 3

Session | **Location:** Convention Centre

14:30–15:00

TBA

Speaker

Manoranjan Guchait

15:00–15:30

Baryogenesis from a Majorana Fermion Coupled to Quarks

Speaker

Shrihari Gopalakrishna

15:30–16:00

TBA

Speaker

Santosh Kumar Rai

16:00

16:30

Plenary: Day 1, Session 4**Session** | **Location:** Convention Centre**16:30–17:00 TBA****Speaker**

Mark Hindmarsh

17:00–17:30**Exploring MeV-scale U(1) Lmu-Ltau Extra Dimension through DUNE and muon beam dumps****Speaker**

Kenji Nishiwaki

17:30–18:00 TBA**Speaker**

Ujjal Kumar Dey

18:00–18:30**BSM Phenomenology inspired by singlet-doublet dark matter****Speaker**

Narendra Sahu

18:30

Thursday 10 July

09:00

Plenary: Day 2, Session 1

Session | **Location:** Convention Centre

09:00–09:30

Collider and gravitational wave signals for electroweak phase transition

Speaker

dorival Gonçalves

09:30–10:00

TBA

Speaker

Tathagata Ghosh

10:00–10:30

TBA

Speaker

Tuhin Roy

10:30–11:00

TBA

Speaker

Biplob Bhattacharjee

11:00

11:30

Plenary: Day 2, Session 2

Session | **Location:** Convention Centre

11:30–12:00

TBA

Speaker

Swagata Mukherjee

12:00–12:30

ENUBET and SBN@CERN proposal

Speaker

Budimir Klicek

12:30–13:00

Physics potential of the ESSnuSBplus setup

Speaker

Monojit Ghosh

13:00

Friday 11 July

09:00

Plenary: Day 3, Session 1

Session | **Location:** Convention Centre

09:00–09:30

Anomalies in Hadronic B Meson Decays

Speaker

Prof. Bhubanjyoti Bhattacharya

09:30–10:00

TBA

Speaker

Dr. Rukmani Mohanta

10:00–10:30

TBA

Speaker

kirtiman ghosh

10:30–11:00

Non-decoupling Heavy Higgs Bosons as a Probe of Spontaneous CP-Violation

Speaker

Dr Tanmoy Mondal

11:00

11:30

Plenary: Day 3, Session 2

Session | **Location:** Convention Centre

11:30–12:00

Axions at the fundamental frontiers

Speaker

Sabyasachi Chakraborty

12:00–12:30

Horizontal three Higgs-doublet model

Speaker

Dr Dipankar Das

12:30–13:00

WIMP searches at LHC and future colliders

Speaker

Ipsita Saha

13:00

14:30

Plenary: Day 3, Session 3

Session | **Location:** Convention Centre

14:30–15:00

TBA

Speaker

Dr Debottam Das

15:00–15:30

New Physics search prospects at the future colliders

Speaker

Subhaditya Bhattacharya

16:00

15:30–16:00

Preheating and Baryogenesis in Higgs-Starobinsky Inflation**Speaker**

Tanmoy Modak

16:30

Plenary: Day 3, Session 4**Session** | **Location:** Convention Centre

16:30–16:50

Muon $g - 2$ and W-mass in a framework of colored scalars: an LHC perspective**Speaker**

Indrani Chakraborty

16:50–17:10

Fermi-ball in a multicomponent dark matter framework and its gravitational wave signatures**Speaker**

Nabarun Chakrabarty

17:10–17:30

Confronting new physics with early universe cosmology**Speaker**

Basabendu Barman

17:30–17:50

Isospin Violating Dark Sector: Direct Detection Prospects**Speaker**

Soumya Sadhukhan

17:50–18:10

Singlet Scalar Dark Matter Model Featuring Dual High-Scale Minima**Speaker**

Dr Najimuddin Khan

18:10–18:30

Sifting through the Standard Model for the hints of an ALP**Speaker**

Triparno Bandyopadhyay

18:30