

Session Program

14-18 Oct 2024

**PPC 2024: XVII International Conference on
Interconnections between Particle Physics
and Cosmology**

Parallel - Flavour

Tuesday 15 October

14:00

Parallel - Flavour: Session 1

Session | **Location:** IIT Hyderabad , Seminar Room 1, Convention Center | **Convener:** Divya Sachdeva

14:00–14:15

Time-dependent CP violation measurements in radiative penguin decays of B mesons at Belle and Belle II

Speaker

RISHABH MEHTA

14:15–14:30

Study of exclusive nonleptonic decay of $B_s \rightarrow \psi(\eta_c)(nS) K_s$

Speaker

Lopamudra Nayak

14:30–14:45

Lepton flavor and number violating $K \rightarrow \pi \nu \bar{\nu}$ decays

Speaker

Suchismita Sahoo

14:45–15:00

Searches for dark sector particles at Belle and Belle II

Speaker

Rajesh Kumar Maiti

15:00–15:15

{New Physics investigation in the semileptonic decay $\bar{B}_s \rightarrow K^{*+}(\pi) K \pi) \bar{\nu}_l$

Speaker

Shabana Khan

15:15–15:30

Study of angular observables in exclusive semi-leptonic B_c decays

Speaker

Dr Sonali Patnaik

15:30–15:45

Implications of SMEFT for semileptonic processes

Speaker

Siddhartha Karmakar

15:45–16:00

Purely leptonic decays of heavy-flavored charged mesons

Speaker

kalpalata dash

16:00

16:30

Parallel - Flavour: Session 2

Session | **Location:** IIT Hyderabad, Seminar Room 1, Convention Center | **Convener:** Saurabh Sandilya

16:30–16:45

Measurement of the time-integrated CP asymmetry of $D \rightarrow KS$ decay with Belle and Belle II

Speaker

Dr Kavita Lalwani

16:45-17:00

Invisible decay of baryons post Belle-II results**Speaker**

Dargi Shameer

17:00-17:15

Connecting the $b \rightarrow s \ell \ell$ decays with dark sector in the light of scalar leptoquark \tilde{R}_2 **Speaker**

Dhiren Panda

17:15-17:30

Explaining Fermions Mass and Mixing Hierarchies through $U(1)_X$ and Z_N Symmetries**Speaker**

Abdul Rahaman Shaikh

17:30-17:45

Rare $b \rightarrow s \ell \ell$ decays at 13 TeV by CMS Detector**Speaker**

Mr Samarendra Nayak

17:45-18:00

Minimal Z^{\prime} for Radiative generation of fermion masses**Speaker**

Mr Gurucharan Mohanta

18:00-18:15

Connecting leptoquarks to the B meson missing energy anomaly**Speaker**

AJAY KUMAR YADAV

18:15-18:30

Studies of radiative and electroweak penguin decays of B mesons at Belle and Belle II**Speaker**

Nadiia Maslova

18:45

Wednesday 16 October

17:30

Parallel - Flavour: Session 3

Session | **Location:** IIT Hyderabad, Seminar Room 1, Convention Center | **Convener:** Seema Bahinipati

17:30–17:45

Hadronic B^0 decays at Belle and Belle-II

Speaker

SWARNA PRABHA MAHARANA

17:45–18:00

Observation of double J/ψ in pPb collisions

Speaker

Sunil Bansal

18:00–18:15

Search for radiative D_s decays

Speaker

Ms N Sushree Ipsita

18:15–18:30

Understanding $b \rightarrow c \tau \nu$ mediated baryonic decays in SMEFT

Speaker

Manas Mohapatra

18:30–18:45

Flavour phenomenology and collider signatures of the flavon of $\mathcal{Z}_{\rm N} \times \mathcal{Z}_{\rm M}$ flavour symmetry

Speaker

Ms Neelam Singh

19:00