

Session Program

7-9 Apr 2025

**IOP Joint APP and HEPP Annual Conference
2025**

Collider Physics - Flavour

Cavendish Laboratory, University of Cambridge
JJ Thomson Avenue Cambridge CB3 0HE UK

Monday 7 April

16:00

Collider Physics - Flavour: 1

Session | **Location:** The Cluster Room (A0.022)

16:00–16:15

Status of Measurements of CKM angle γ with $B_d^0 \rightarrow D^{\mp} \pi^{\pm}$

Speaker

Lucas Arthur Foreman

16:15–16:30

Direct measurement of physical coefficients in the $B \rightarrow \pi \mu \mu$ decay

Speaker

Xiaohan Wang

16:30–16:45

Search for charge-parity violation in radiative charm $D^0 \rightarrow \phi \gamma$ decays

Speaker

Mr Abhishek Bohare

16:45–17:00

Search for rare $b \rightarrow s \tau \tau$ processes in baryonic decays at the LHCb experiment

Speaker

Josh Bex

17:00–17:15

Measurements of charge and CP asymmetries in b-hadron decays using top-quark events collected by the ATLAS detector in pp collisions at $\sqrt{s} = 13\text{TeV}$

Speaker

Asim Mohammed Aslam

17:15–17:30

A Phase-Corrected method to measure the CKM γ angle

Speaker

Jozie Meldrum

17:30–17:45

Amplitude analysis of $B^+ \rightarrow D^- K^+ \pi^+$ decays

Speaker

Aleksandrina Docheva

17:45–18:00

$L_b \rightarrow L_c + L_c + n$: A first study of purely baryonic decays with a neutron

Speaker

Ned Francis Howarth

18:00

Wednesday 9 April

11:00

Collider Physics - Flavour: 2

Session | Location: Seminar West (A0.015W)

11:00-11:15 **Charmless $B \rightarrow VV$ decays**

Speaker

Francesca Swystun

11:15-11:30 **Search for Charged Lepton Flavour Violation at LHCb**

Speaker

Marcus Jonathan Madurai

11:30-11:45 **Charm mixing and CPV using four-body decays at LHCb**

Speaker

Jairus Patoc

11:45-12:00

Measurement of the B^0 lifetime using $B^0 \rightarrow J/\psi K^{*0}$ decays with the LHCb detector

Speaker

David Bacher

12:00-12:15

The Search for local CP violation in $D^0 \rightarrow \pi^+ \pi^- \pi^0$ decays with the amplitude analysis

Speaker

Lanxing Li

12:15-12:30 **Search for $B_s \rightarrow \phi \eta'$ decays in Run 1+Run 2 dataset of LHCb**

Speaker

Yiming Liu

12:30