

Session Program

7-9 Apr 2025

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

Collider Physics - Electroweak (EW) and Higgs

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

Monday 7 April

16:00

Collider Physics - Electroweak (EW) and Higgs: 1

Session | Location: Ray Dolby Auditorium (A1.015-A2.015)

16:00-16:15

Measurement of high-mass di-tau production using $\sqrt{s} = 13$ TeV proton-proton collision data collected with the ATLAS detector

Speaker

Peng Wang

16:15-16:30

A 95 GeV Higgs Boson within a 2-Higgs Doublet Model

Speaker

Manimala Chakraborti

16:30-16:45

Testing the Quantum nature of reality with Higgs bosons

Speaker

Theo Maurin

16:45-17:00

Measurement of the UPC process $\gamma\gamma \rightarrow \tau\tau$ cross-section in proton-proton collisions with the LHCb detector

Speaker

Yiwei Liu

17:00-17:15

Probing the Standard Model with Electroweak Bosons at LHCb

Speaker

Keira Farmer

17:15-17:30

Searching for $H^+ \rightarrow W^+ h$ at ATLAS

Speaker

Luke Baines

17:30-17:45

First look: W and Z bosons at the LHCb Upgrade Experiment with 2024 p-p collision data

Speaker

Luke Gazette

17:45-18:00

Test of CP-invariance of the Higgs boson in vector-boson fusion production in the $H \rightarrow \gamma\gamma$ channel with the ATLAS detector

Speaker

Firdaus Soberi

18:00