Session Program

6–11 Dec 2026



26th Australian Institute of Physics Congress and the Australian and New Zealand Conference on Optics and Photonics

AIP NUPP: High-energy collider physics 2

The University of Sydney , Belinda Hutchinson Building
Abercrombie St & Codrington St NSW 2008

Thursday 10 December

16:30

AIP NUPP: High-energy collider physics 2

Session |
Location: The University of Sydney , Belinda Hutchinson Building, Abercrombie St & Codrington St NSW 2008 |
Convener: Peter Skands

16:30–17:00

New results from the Run 3 data taking period of the ATLAS experiment

Speaker
Prof. Paul Jackson

17:00–17:15

Trigger-Level Anomaly Detection at the ATLAS Experiment

Speaker
Haylea Isobel Purnell

17:15–17:30

Search for new resonances in final states with three or four top quarks with the ATLAS experiment

Speaker
Harish Potti

17:30–17:45

Estimating the Number of Fake Leptons in a 3 Lepton and Missing Transverse Momentum SUSY Electro-weakino search at the ATLAS detector

Speaker
Kael Kemp

17:45–18:00

Graph Neural Networks for Calorimeter-Based Cluster Calibration at the ATLAS Experiment

Speaker
Matthew Green

18:00–18:15

Agentic AI for High Energy Physics Analysis: Natural-Language Workflows with RooAgent and FCCAgents

Speaker
Aman Desai

18:15