Session Program

7–11 Dec 2026



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

AIP NUPP: Nuclear & High-Energy Collider Physics

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

Wednesday 9 December

16:00

AIP NUPP: Nuclear & High-Energy Collider Physics

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

16:00–16:15

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

Speaker
Aman Desai

16:15–16:30

Status, Prospects and Physics possibilities for the Future Circular Collider at CERN

Speaker
Prof. Paul Jackson

16:30–16:45

From the cosmos to cancer therapy: untangling complex low-energy nuclear reactions

Speaker
Edward Simpson

16:45–17:00

Harnessing simple atomic configurations to characterise complex nuclear excitations

Speaker
Jack Woodside

17:00–17:15

Positive ion-initiated secondary avalanches in a gas time projection chamber with an intensified camera readout

Speaker
Victoria Bashu

17:15–17:30

Interpreting the excitation energy dependence of fission by precise determination of the angular momentum

Speaker
Maggie Webber

17:30