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: Dark Matter 1

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

Tuesday 8 December

16:30

AIP NUPP: Dark Matter 1

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

16:30–17:00 **CYGNUS-Oz: Directional Detection for Rare Event Particle Physics**

Speaker
Dr Lindsey Bignell

17:00–17:15
SABRE South: Detector assembly, commissioning at SUPL, and muon flux measurements

Speaker
Antoine Cools

17:15–17:30 **SABRE South: Radiopurity assay and first bare crystal results**

Speaker
Kieran Rule

17:30–17:45 **SABRE South: Simulation, software framework, and physics reach**

Speaker
Subrahmanya Saicharan Pemmaraju

17:45–18:00
Beyond Mean-Field Nuclear Structure for Dark Matter Direct Detection

Speaker
Navneet Krishnan

18:00