Session Program

7–11 Dec 2026



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

AIP GAP: Cosmic Rays & Dark Matter

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

Monday 7 December

11:30

AIP GAP: Cosmic Rays & Dark Matter

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

11:30–12:00 **Cosmic-ray muons for predicting the weather**

Speaker
Danish Khan

12:00–12:15 **Where do cosmic rays go to die?**

Speaker
Roland Crocker

12:15–12:30
Precision Modeling of Prompt Cosmogenic Backgrounds for the DarkSide-20k Experiment

Speaker
Sanjay Sharma Poudel

12:30–12:45
Characterisation and Simulation of Photomultiplier Tube (PMT) Response in the SABRE South Experiment

Speaker
Sharry Kapoor

12:45–13:00
Optical calibration simulations and analysis for the SABRE South active veto PMTs

Speaker
Julian Canale

13:00