Session Program

7–11 Dec 2026



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

AIP CMM: Novel and exotic states of matter

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

Tuesday 8 December

16:30

AIP CMM: Novel and exotic states of matter

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

16:30–17:00

Tunable artificial electronic crystals: from band engineering to correlated states

Speaker
Qingwen Wang

17:00–17:15

Topological insulating behaviour in Janus dichalcogenide monolayers with square-phase line defects

Speaker
Jahan McLeod

17:15–17:30

Topological Electronic States in Monolayer BaCu for CO2 Adsorption and Activation: A First-Principles Study

Speaker
Ms Ruoning Ji

17:30–17:45

Artificially synthesised topological insulators in engineered semiconductor nanostructures

Speaker
Mikhail Patrashin

17:45–18:00

In silico fabrication of Josephson Junctions, effects and insights.

Speaker
Jesse Vaitkus

18:00