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: Unconventional magnets and superconductors

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

Monday 7 December

14:00

AIP CMM: Unconventional magnets and superconductors

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

14:00–14:30 **Exotic superconducting phases in altermagnets**

Speaker
Zhao Liu

14:30–14:45 **Quantum-geometry-driven Mott transitions and magnetism**

Speaker
Dr Jixun K. Ding

14:45–15:00 **Unprecedentedly strongly coupled antiferromagnets**

Speaker
Wojciech Grochala

15:00–15:15
Multiscale complexity of two-dimensional Ising systems with short-range, ferromagnetic interactions

Speaker
Ibrahim Al Azki

15:15–15:30
Quantum Optical Signatures of Band Topology in Solid-State High Harmonics

Speaker
Denis Ilin

15:30