Session Program

7–11 Dec 2026



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

AIP TPG: Quantum tunneling

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

Wednesday 9 December

16:00

AIP TPG: Quantum tunneling

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

16:00–16:30 **The role of magic and entanglement in collective tunnelling**

Speaker
Anna Birke

16:30–16:45 **Particle Tunnelling in Quantum Field Theory**

Speaker
Aditya Singh Tejas

16:45–17:00
Model-Independent Nuclear Charge Radius Extraction from Muonic X-Rays

Speaker
Jack Morrow

17:00–17:15 **Self-Consistent Muonic Orbitals and Nuclear Charge Distributions**

Speaker
Odile Smit

17:15–17:30
Testing Hyperuniformity in Self-Assembled Point Structures Using Persistent Homology and Ideal Structure Estimation

Speaker
Yanzhi Guo

17:30