Session Program

7–11 Dec 2026



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

AIP QST: Quantum precision sensors & gravitational physics

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

Wednesday 9 December

14:30

AIP QST: Quantum precision sensors & gravitational physics

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

14:30–14:45

GravNet-Australia: A Southern Hemisphere Network of Quantum Sensors for High-Frequency Gravitational Wave and Dark Matter Searches

Speaker
Michael Tobar

14:45–15:00

Cosmic-Ray-Induced Temporal Noise Structure in Precision Oscillators for Quantum Technologies

Speaker
Maxim Goryachev

15:00–15:15

Quantum Vacuum Nonlinearities in Laser Interferometers

Speaker
Zain Mehdi

15:15–15:30

Unblockable Communication With Gravity

Speaker
Andrew Groszek

15:30