Session Program

7–11 Dec 2026



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

AIP ATMOP: Rydberg Atoms, Clocks and Spectroscopy

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

Thursday 10 December

16:30

AIP ATMOP: Rydberg Atoms, Clocks and Spectroscopy

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

16:30–16:45 **Metastable excitation of the noble gases by positron/electron impact**

Speaker
Mr Liam Wymer

16:45–17:00 **Measurement of a Quantum System using Spin-Mechanical Conversion**

Speaker
Alexander Wood

17:00–17:15 **Rydberg exciton-polarons in doped two-dimensional semiconductors**

Speaker
Brendan Mulkerin

17:15–17:30 **Low Frequency Electric Field Detection with Rydberg Atoms**

Speaker
Guillaume Gauthier

17:30–17:45 **Algebraic origin and multichannel breakdown of singlet-triplet ordering in carbon Rydberg series.**

Speaker
Jorge Campos Gonzalez Angulo

17:45–18:00 **Direct comb excitation for two-colour rubidium-87 optical atomic clocks**

Speaker
Lachlan Pointon

18:00