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: Plasma

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

Tuesday 8 December

14:30

AIP ATMOP: Plasma

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

14:30–14:45

From Quantum Molecular Data to Predictive Plasma Models for Electronegative Dielectric Gases

Speaker
Nathan Garland

14:45–15:00

Inelastic momentum transfer cross-sections from inelastic differential cross-sections for electron-impact excitation in Helium and in Argon

Speaker
Rob Carman

15:00–15:15

The retrograde motion of cathode spots: dependence on cathode material

Speaker
Ian Falconer

15:15–15:30

Implementation of Distorted-Wave Born Approximation Calculated Electron Ionisation Cross Sections for X-ray Tube Simulations in Geant4

Speaker
Marcus Miljak

15:30