Session Program

7–11 Dec 2026



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

ANZCOP: Precision Cavities, Combs & Gravitational-Wave Photonics

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

Tuesday 8 December

11:00

ANZCOP: Precision Cavities, Combs & Gravitational-Wave Photonics

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

11:00–11:30

Achieving a cosmological reach: from Advanced LIGO to Cosmic Explorer and the next generation of terrestrial gravitational wave detectors

Speaker
Prof. Paul Fulda

11:30–11:45

Tapered Fibre Fabry-Pérot Cavities for the Generation of Broadband and Near-Visible Kerr Frequency Combs

Speaker
Matthew Macnaughtan

11:45–12:00

An optimised Fabry-Pérot interferometer simulator utilising Fresnel propagation techniques.

Speaker
Dane Zielinski-Nicolson

12:00–12:15

Soliton Crystals in the standard Lugiato-Lefever equation

Speaker
Carlo Silvestri

12:15–12:30

Linewidth narrowing in a bulk monolithic YVO4 Raman laser

Speaker
Will Davis

12:30