

Session Program

30 November 2025 to 5 December 2025



AIP summer meeting 2025

Plenary

Building 40, Hope Theatre
University of Wollongong Northfields Avenue Wollongong NSW 2522

Monday 1 December

09:30
10:15

Plenary: Boas Medallist

Session |
Location: Building 40, Hope Theatre, University of Wollongong Northfields Avenue Wollongong NSW 2522

09:30–10:15
2D Quantum Materials for Next-generation Quantum Photonic Devices
Speaker
Yuerui (Larry) Lu

Tuesday 2 December

08:30

Plenary

Session |

Location: Building 40, Hope Theatre, University of Wollongong Northfields Avenue Wollongong NSW 2522

08:30–09:15

Semiconductor Nanostructures for Optoelectronics Applications

Speaker

Chennupati Jagadish

09:15

09:25

Plenary

Session |

Location: Building 40, Hope Theatre, University of Wollongong Northfields Avenue Wollongong NSW 2522

09:25–10:10

Testing the Standard Model with Molecules

Speaker

Anastasia Borschevsky

10:10

Wednesday 3 December

08:30

Plenary

Session |

Location: Building 40, Hope Theatre, University of Wollongong Northfields Avenue Wollongong NSW 2522

08:30–09:15

Seismic Echoes of Magnetism: Sunspots and Starspots

Speaker

Alina Donea

09:15–09:25

Announcement

09:25–10:10

Positron and Positronium interactions in atomic and molecular systems

Speaker

Joshua Machacek

10:10

13:45

Plenary

Session |

Location: Building 40, Hope Theatre, University of Wollongong Northfields Avenue Wollongong NSW 2522

13:45–14:30

Peering Inside the Proton: How Lattice QCD Reveals the Building Blocks of Matter

Speaker

Dr James Zanotti

14:30

Thursday 4 December

08:30

Plenary

Session |

Location: Building 40, Hope Theatre, University of Wollongong Northfields Avenue Wollongong NSW 2522

08:30-09:15

Helping Physics Students Thrive

Speaker

Elizabeth Angstmann

09:15

09:25

Plenary

Session |

Location: Building 40, Hope Theatre, University of Wollongong Northfields Avenue Wollongong NSW 2522

09:25-10:10

Designing the Quantum Future: Novel Quantum Materials and Devices for Emerging Quantum Technologies

Speaker

Xiaolin Wang

10:10

Friday 5 December

08:30

Plenary: Advanced cancer treatment with radiation and space exploration: synergy of fundamental particle physics and medical physics research

Session |**Location:** Building 40, Hope Theatre, University of Wollongong Northfields Avenue Wollongong NSW 2522

08:30–09:15

Advanced cancer treatment with radiation and space exploration: synergy of fundamental particle physics and medical physics research

Speaker

Anatoly Rozenfeld

09:15

09:25

Plenary: Extreme Astrophysics with the Cherenkov Telescope Array Observatory

Session |**Location:** Building 40, Hope Theatre, University of Wollongong Northfields Avenue Wollongong NSW 2522

09:25–10:10

Extreme Astrophysics with the Cherenkov Telescope Array Observatory

Speaker

Sabrina Einecke

10:10