Session Program

7–11 Dec 2026



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

AIP STSP: Solar Terrestrial and Space Physics 1

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

Wednesday 9 December

14:15

AIP STSP: Solar Terrestrial and Space Physics 1

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

14:15–14:30

Magnetic field line braiding as a contributor to heating the magnetically-closed corona

Speaker
David Pontin

14:30–14:45

Validating Coronal Magnetic Field Models Using Gaussian Separation

Speaker
Abhinav Govindan Iyer

14:45–15:00

Beyond Stable IMF Assumptions: Dynamic Characterisation of Solar Wind Driving

Speaker
Julie Currie

15:00–15:15

Solar Flares: Automated Detection, Source Mapping, and an Analysis of Size-Waiting-Time Distributions and Correlations

Speaker
Prof. Michael Wheatland

15:15–15:30

Probabilistic Prediction of Solar Eruptions via Ensemble Modelling of Deterministic Simulations

Speaker
Kyriakos Tapinou

15:30