

Energetic Particle Acceleration in the Sun and the Heliosphere Schedule

Talks

Wednesday 09h00-10h30

09h00: Welcome

09h02: Multi-Diagnostic Studies of Particle Acceleration and Energy Release in Solar Flares (William Bate)

09h13: Strong particle acceleration in small flares (Iain Hannah)

09h24: Particle energisation in an oscillatory collapsing magnetic trap model (Dr Kate Mowbray)

09h35: Simulating Solar Quasi-Periodic Pulsations via Kinetic Modelling (Luiz A. C. A. Schiavo)

09h46: Study of Particle Signatures and CME-CME interaction during the 11–12th Nov 2025 event (Harsh Bhati)

09h57: Influence of Solar Energetic Particle Source Extent on Space Weather Forecasting with the Physics-Based Tool SPARX (Damini Bhagwath)

10h08: Effects of solar wind convectional electric field on SEP propagation in the turbulent heliosphere (Timo Laitinen)

10h19: Local particle acceleration in the heliosphere and its effects on pitch-angle distributions of solar wind electrons (Valentina Zharkova)

Posters

- Kinetic Simulations of Particle Acceleration in Collisionless Supercritical Shock-Shock Interaction (Nadia Imtiaz)
- Effect of a collisional heliospheric environment on simulated in-situ electron spectra (Ross Pallister)