

Session Program

28 September 2026 to 2 October 2026

19th Technical Meeting on Energetic Particles in Magnetic Confinement Systems

Physics of EP modes and transport

Lausanne, Switzerland, Beaulieu Congress and Exhibition Center
Local website: <https://tmep26.epfl.ch/>

Monday 28 September

09:10

Physics of EP modes and transport

Session |**Location:** Lausanne, Switzerland, Beaulieu Congress and Exhibition Center, Local website: <https://tmep26.epfl.ch/>

09:10–09:45

Experimental investigations of Alfvén eigenmode control and energetic-particle diagnostics in TCV fast-ion plasmas

Speaker

Anton Jansen van Vuuren

09:45–10:10

Observations and modelling of energetic particle-driven ion cyclotron emission in MAST Upgrade

Speaker

Ken McClements

10:10–10:35

RF modified fast-ion distribution function in the full-orbit description

Speaker

Pablo Oyola

10:35

Tuesday 29 September

11:20

Physics of EP modes and transport

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11:20-11:55

Alfven eigenmodes driven by α particles in JET D-T plasmas

Speaker

James Oliver

11:55-12:20

Nonlinear evolution of perturbatively driven far-from-threshold kinetic instabilities

Speaker

Emma Devin

12:20-12:45

Impact of toroidal Alfvén eigenmodes and sawtooth crashes on NBI fast ions on ST40

Speaker

Dr Jari Varje

12:45

Wednesday 30 September

11:20

Physics of EP modes and transport

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11:20–11:55

A Diffusive Electron Cyclotron Emission Fast Ion Transport Model

Speaker

Dr Kyle Callahan

11:55–12:20

Maximising Beam-Plasma Fusion Rate in 1 MA MAST-U Discharges

Speaker

Sergei Sharapov

12:20–12:45

Radial electric field induced by NBI fast ions

Speaker

Klara Bogar

12:45

Friday 2 October

11:20

Physics of EP modes and transport

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11:20-11:45

A workflow for testing energetic particle transport models - from experiments to model validation

Speaker

Mario Podesta

11:45-12:20

Experimental characterization of fishbones and associated energetic particle transport via correlated FIDA and FILD measurements on the TCV tokamak

Speaker

Mr Quentin Kernel

12:20-12:45

Vertical Displacement Oscillatory Modes in Tokamak Plasmas

Speaker

Francesco Porcelli

12:45