

Session Program

28 September 2026 to 2 October 2026

19th Technical Meeting on Energetic Particles in Magnetic Confinement Systems

Poster session III and Coffee break

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

Thursday 1 October

14:15

Poster session III and Coffee break: Poster session III and Coffee break

Poster Session |

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

Destabilization of ctr-TAE modes: general analysis and a specific example

Speaker

Anton Tykhyy

Resonant mode-particle interaction priors for energetic particle phase-space tomography

Speaker

Mads Rud Larsen

Enhancing Tomographic Reconstructions of Energetic Particle Distributions Using Variational Auto Encoders

Speaker

Dr Henrik Järleblad

Properties of Alfvén Eigenmodes during Strong Microturbulence Suppression

Speaker

William Heidbrink

Phase-space mechanisms of ICRF-driven bursting shear Alfvén waves in tokamak plasmas

Speaker

Jialei Wang

Measurements of Fast Ion Distribution During the Alfvén Eigenmode-Induced Microturbulence Suppression in DIII-D

Speaker

Xiaodi Du

Simulation study of nonlinear wave-particle interaction of energetic particle modes in tokamak plasmas

Speaker

Pengjuan Su

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

Speaker

Mr Quentin Kernel

TGLF-EP+Alpha reduced fast ion transport prediction validation against diffusive transport measurements

Speaker

Kyle Callahan

Qualitative validation of CAD-based simulations of NBI-induced prompt fast-ion losses against IRTV measurements in KSTAR

Speaker

Taeuk Moon

Alpha Particles without DT: Alternative Routes in Future JT-60SA Plasmas**Speaker**

Rui Coelho

Nonlinear frequency chirping of energetic-particle-driven Alfvénic fluctuations in ORB5 gyrokinetic simulations**Speaker**

Xin Wang

Nonlinear saturation of toroidal Alfvén eigenmode by self-organized zonal fields**Speaker**

Dr Jian Bao

Effects of NBI generated energetic particle distribution on reversed shear Alfvén eigenmodes**Speaker**

Yunpeng Zou

A two-fluid model of the energetic-particle-driven geodesic acoustic mode**Speaker**

Prof. Yasushi Todo

Energetic-ion Driven Instabilities during I-phase and inter-ELM in the HL-3 Tokamak**Speaker**

Dr Xiao-Long Zhu

Hybrid Kinetic-MHD Analysis of Energetic Particle (1,1) Modes in SPARC**Speaker**

Charlson Kim

Development of scenarios and diagnostics for fast ion studies in next generation tokamaks without beryllium**Speaker**

Massimo Nocente

Plasma shaping effects on fast particles and Alfvén eigenmodes dynamics in spherical tokamaks**Speaker**

Francesco Palermo

Electron Cyclotron Heating Modification of Toroidicity Induced Alfvén Eigenmode Activity in DIII-D**Speaker**

Michael Van Zeeland

The Charged Fusion Product Detector (CFPD) on MAST-U**Speaker**

Edward Parr

Phase- and velocity-space sensitivity of collective Thomson scattering measurements in magnetized plasmas

Speaker

Mirko Salewski

Global and local monitoring of fast-ion losses in the presence of external magnetic perturbations in the MAST-U spherical tokamak using IR thermography and a Fast Ion Loss Detector

Speaker

Lina Velarde

16:15