

Session Program

28 September 2026 to 2 October 2026

19th Technical Meeting on Energetic Particles in Magnetic Confinement Systems

Poster session I and Coffee break

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

Monday 28 September

14:20

Poster session I and Coffee break

Poster Session |

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

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

Speaker

Ken McClements

ORB5 simulations of the fishbone triggering conditions

Speaker

Erik Eidsvig

Implementation of full-orbit energetic-particle dynamics in the kinetic-MHD hybrid simulation code MEGA

Speaker

Dr Hanzheng Li

Experimental Characteristics of Core-localized AEs during ICRH High- β_p Plasmas on EAST

Speaker

Dr Chenyu Pan

Influences of fast ions from neutral beam injection in synergy with ICRF waves on fishbone instability

Speaker

Runzhe Zhang

Energetic-particle observations of second harmonic tritium heating in JET DTE3 and comparison with H-minority heating

Speaker

Mervi Mantsinen

Fast-ion transport in EAST plasmas under the combined tearing mode and edge-localized mode perturbations: a particle-tracing simulation

Speaker

Feng Wang DLUT

Investigation of mode transition induced by fast particle transport in phase space on EAST

Speaker

Wei Shen

Observation of nonlinear mode coupling and fast ion loss during sawtooth oscillations in tokamak plasmas

Speaker

Yufan Qu

On nonlinear saturation of toroidal Alfvén eigenmode due to thermal plasma nonlinearities**Speaker**

Ningfei Chen

Optimization of active control of ICRH-driven TAE using 3D magnetic perturbations**Speaker**

Daniil Kabirov

Perturbed bootstrap current of alpha particles and its contribution to tearing-mode stability**Speaker**

xiaoxi zhang

Reduced model of the interaction between microturbulence, energetic particles and energetic particle driven modes.**Speaker**

Tommaso Barberis

The saturation mechanism of fishbone**Speaker**

Huisan Cai

Assessment of 1D critical gradient predictions of fast-ion transport in high q-min, high β , DIII-D steady-state scenario discharges**Speaker**

Jeff Lestz

Effect of externally applied magnetic perturbations on ICRH fast-ion confinement in ASDEX-Upgrade**Speaker**

Alex Reyner Viñolas

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

Wei Chen

ASCOT-RFOF modelling of ion cyclotron heated fast ion loads on ASDEX Upgrade antenna limiters**Speaker**

Seppo Sipilä

Neoclassical collision physics regularization of 4D fast-ion distribution reconstructions in constants of motion space**Speaker**

Otso Hyvärinen

Numerical Investigation of NBI-ICRF Synergistic Fast-Ion Phase-Space Evolution and Neutron Signatures in EAST Plasmas**Speaker**

Xiangfeng Wu

Self-consistent Interactions Between Full-energy Helium Ions and a Drift Wave-Zonal Flow System in Burning Plasmas

Speaker

Weixin Guo

Behavior of kinetic instabilities in a dynamically forming resonant distribution

Speaker

Eamon Hartigan-O'Connor

Simulation results of energetic particle driven instability in a tokamak configuration

Speaker

Dr Hao Wang

16:15