

Session Program

28 September 2026 to 2 October 2026

19th Technical Meeting on Energetic Particles in Magnetic Confinement Systems

Poster session II and Coffee break

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

Tuesday 29 September

14:15

Poster session II and Coffee break: Poster session II and Coffee break

Poster Session |

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

The resilience of Elliptical Alfvén Eigenmodes (EAEs) in high-pressure tokamaks

Speaker

Arkaprava Bokshi

Gyrokinetic Simulations for Spherical Tokamak Energetic Particle-Turbulence Experiments

Speaker

Cosmo Gallaro

Measurement and validation of sawtooth induced fast ion transport on DIII-D

Speaker

Deyong Liu

Probing Marginally Confined Energetic Ions Using Polarization-Resolved Ion Cyclotron Emission Measurements in KSTAR

Speaker

Mr Seongbin Hong

Magnetohydrodynamic Stability of ITER-Scale Helical Core Plasmas

Speaker

Dr Panith Adulsiriswad

EP transport induced by core density collapse in LHD

Speaker

Jacobo Varela Rodriguez

Runaway electrons during a coil quench in stellarators

Speaker

Dr Pavel Aleynikov

FIRM3D: Fast ion reduced models in 3D

Speaker

Elizabeth Paul

Development of an action-angle quasilinear theory for wave-particle interactions in stellarators

Speaker

Avigdor Veksler

On the drive of axisymmetric modes by fusion alpha particles in tokamaks

Speaker

Lars-Göran Eriksson

Large-bandwidth phase space resolved measurements of fast ion density fluctuations and energy transfer induced by Alfvén eigenmodes

Speaker

Dr Jose Rueda Rueda

Optimized confinement of alpha particles vs. optimized confinement of NBI ions at high beta in stellarators: a case study of W7-X**Speaker**

Dmitry Moseev

Nonlinear Multi-n TAE Dynamics in KSTAR: Mode Competition, Inter-n Energy Coupling, and Zonal Flow Drive**Speaker**

Dr Haider Rizvi

Local gyrokinetic simulations of linear Alfvén wave growth in reactor-scale W7-X and Thea Energy's Helios**Speaker**

Amelia Chambliss

Consistent workflow for evaluating beam-target fusion rate with the orbit-following code ASCOT5**Speaker**

Joona Sissonen

Progress of global gyrokinetic simulations for future fusion devices**Speaker**

Thomas Hayward-Schneider

NIMROD MHD simulation of axisymmetric modes observed in the TCV tokamak**Speaker**

DEBABRATA BANERJEE

Investigation of electromagnetic waves generated by runaway electrons**Speaker**

Olivier Panico

Effects of resistive internal kink mode and fishbone instabilities on alpha particle redistribution and transport coefficients in ITER 15 MA scenario**Speaker**

Dr Guanming YANG

The shear Alfvén continuum in quasi-symmetric and quasi-isodynamic stellarators**Speaker**

Abdullah Hyder

Nonlinear saturation of Axisymmetric (n=0) modes driven by Energetic Particles in Tokamaks**Speaker**

Simone Cavallero

Isomagnetic transformation for trapped energetic particles under 3D magnetic perturbation**Speaker**

Prof. Gyungjin Choi

Frequency-guessing method for reduced modeling of energetic particle modes (EPM)

Speaker

Andreas Bierwage

Analytical fusion product spectrum calculations including bulk temperature effects in magnetized plasmas

Speaker

Andrea Valentini

16:00