

CNPS Workshop on Multi-scale Energetic particle Transport in fusion devices
Jointly organized with the
MET Project Final Workshop
March 3 - 5, 2021

Agenda

Wednesday March 3, 2021, 08:55-12:30

Coordinates for remote connection: [join zoom meeting](#)

08:55	Fulvio Zonca: <i>Opening</i> (5min)
09:00	Matteo V. Falessi, L. Chen, Z. Qiu and F. Zonca: <i>Construction of energetic particle fluxes due to Alfvénic fluctuations from parallel mode structures</i> (25min+10minQ&A)
09:35	Yueyan Li: <i>DAEPS calculation of low frequency kinetic continuous spectrum</i> (25min+10minQ&A)
10:10	F. Zonca, L. Chen, M. V. Falessi and Z. Qiu: <i>Flux surface averaged expressions of energetic particle fluxes for global transport studies of phase space zonal structures in tokamaks</i> (25min+10minQ&A)
10:45	Coffee break
11:15	Alessandro Zocco, A. Mishchenko, A. Könies, M. V. Falessi and F. Zonca: <i>Energetic particle transport in stellarators: theoretical foundations</i> (25min+10minQ&A)
11:50	Francesco Vannini, A. Biancalani, A. Bottino, T. Hayward-Schneider, Ph. Lauber, A. Mishchenko, E. Poli, G. Vlad and AUG Team: <i>Gyrokinetic investigation of the nonlinear interaction of Alfvén instabilities and energetic-particle driven geodesic acoustic modes</i> (25min+10minQ&A)
12:25	Closing and Adjourn

Thursday March 4, 2021, 09:00-12:30

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09:00	Philipp Lauber: <i>Isotope effects on the Energetic Particle dynamics induced by off-axis neutral beam injection on ASDEX Upgrade</i> (25min+10minQ&A)
09:35	David Zarzoso, D. del-Castillo-Negrete, R. Dumont, M. Faganello and X. Garbet: <i>Modeling of alpha particle transport and losses in the presence of magnetic islands</i> (25min+10minQ&A)
10:10	Zhixin Lu: <i>Implicit full f particle simulations of Alfvén waves and energetic particle physics</i> (25min+10minQ&A)
10:45	Coffee Break
11:15	Guo Meng: <i>Interaction of alpha particles with Alfvén modes in ITER 15MA case</i> (25min+10minQ&A)

11:50	Nakia Carlevaro, G. Meng, Ph. Lauber, Z. Lu, G. Montani, X. Wang and F. Zonca: <i>Simulation Energetic particle transport and 1D reduced model</i> (25min+10minQ&A)
12:25	Closing and Adjourn

Friday March 5, 2021, 09:00-12:40

Coordinates for remote connection: [join zoom meeting](#)

09:00	Axel Könies et al.: <i>Electromagnetic simulations with EUTERPE in tokamak geometry and for W7-X</i> (25min+10minQ&A)
09:35	Alexey Mishchenko, A. Biancalani, A. Bottino et al.: <i>Gyrokinetic simulations of electromagnetic turbulence with global particle-in-cell codes</i> (25min+10minQ&A)
10:10	Thomas Hayward-Schneider et al.: <i>Global gyrokinetic modelling of AEs in ITER & progress towards realistic distribution functions</i> (25min+10minQ&A)
10:45	Coffee break
11:15	Xin Wang and S. Briguglio: <i>Nonlinear dynamics of frequency chirping energetic particle modes</i> (25min+10minQ&A)
11:50	Gregorio Vlad, S. Briguglio, G. Fogaccia and V. Fusco: <i>Preliminary studies of Energetic Particle driven Alfvénic modes for a model DTT equilibrium using HYMAGYC</i> (25min+10minQ&A)
12:25	F. Zonca: <i>Concluding remarks on MET Project</i> (10min+5minQ&A)
12:40	Closing

Remote connection details:

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