

17th Technical Meeting on Energetic Particles and Theory of Plasma Instabilities in Magnetic Confinement Fusion

Monday, 6 December 2021

Effects of Energetic Particles in Magnetic Confinement Fusion Devices (14:10 - 17:40)

-Conveners: Taina Kurki-Suonio

time	[id] title	presenter
14:10	[35] Unstable beta-induced ion temperature gradient (BTG) eigenmodes in JET plasmas with ITBs and elevated monotonic q-profiles.	Dr FIL, Nicolas
14:40	[18] Hybrid simulations of of beta-induced Alfvén eigenmode with reversed safety factor profile	DUAN, Sizhe
15:00	[23] Implementation of ion cyclotron resonance frequency heating in a kinetic-MHD hybrid code: MEGA	WANG, Jialei
15:20	[63] Modeling of the nonlinear resonant interaction between ELMs and fast-ions in tokamaks using MEGA	DOMINGUEZ-PALACIOS, Jesus
15:40	[45] Effects of distribution functions in global gyrokinetic simulations of energetic particle driven Alfvénic and EGAM instabilities in ITER and ASDEX Upgrade	HAYWARD-SCHNEIDER, Thomas
16:00	[3] Impurity holes induced by energetic electrons during electron cyclotron resonance heating in tokamaks with helical core	MARCHENKO, Victor
16:20	[69] Verification and validation of gyrokinetic and kinetic-MHD simulations for internal kink and fishbone instabilities in DIII-D and ITER	BROCHARD, Guillaume
16:40	[55] Effect of anisotropic fast ions on internal kink mode stability in DIII-D negative and positive triangularity plasmas	Dr LIU, Deyong
17:00	[37] Conceptual design of DIII-D experiments to diagnose the lifetime of spin polarized fuel	GARCIA, Alvin V.
17:20	[32] Negative triangularity shaping effects on Alfvén eigenmodes in DIII-D plasma	GHAI, Yashika