16th IAEA Technical Meeting on Energetic Particles in Magnetic Confinement Systems - Theory of Plasma Instabilities

Wednesday, 4 September 2019

Poster: P1 Session (13:30 - 15:30)

[id] title	presenter	board
[4] Passing fast ion transport induced by fishbone on the HL-2A	Dr HAO, G.Z.	
[12] Effects of the non-perturbative mode structure on energetic particle transport	MENG, Guo	
[15] Design optimization of a fast-neutron detector with scintillating fibers for triton burnup experiments at fusion experimental devices	TAKADA, Eiji	
[23] Validation of the Imaging Neutral Particle Analyzer via Pitch Angle Scattering of Injected Beam Ions*	LIN, Daniel	
[32] Role of fast-ion transport to sustain the high q min profile in KSTAR discharges	Dr KANG, Jisung	
[44] Observation of neutron emission anisotropy by neutron activation measurement in beam-injected LHD deuterium plasmas	Dr SUGIYAMA, Shota	
[52] Effects of 3D magnetic field on fast ion loss and Alfvenic activities in KSTAR	Dr KIM, Kimin	
[7] Impact of Suprathermal Ions on Neutron Yield at Pre-DT Phase of ITER Operation	Dr POLEVOI, Alexei	
[97] Impact of externally applied 3D fields on plasma rotation and correlation to fast-ion losses	Mrs CANO-MEGIAS, Pilar	
[55] Electrostatic potentials generated by NBI fast ions in tokamak and helical plasmas	YAMAGUCHI, Hiroyuki	
[56] Modeling of Supra-thermal Electron Flux and Toroidal Torque by ECH in Non-Axisymmetric Toroidal Plasmas	MURAKAMI, Sadayoshi	
[58] STABILITY ANALYSIS OF TJ-II STELLARATOR NBI DRIVEN ALFVÉN EIGENMODES IN ECRH AND ECCD EXPERIMENTS	CAPPA, Álvaro	
[25] Characterization of Intermittent Fast Ion Transport in DIII-D	GAGE, Kenneth	
[63] Fast-ion D alpha diagnostic with enhanced FIDASIM in the Large Helical Device	Dr FUJIWARA, Yutaka	
[73] Study on particle pinch mechanism for DEMO	Dr YAGI, Masatoshi	
[88] Simulation study on impact of pedestal height on energy loss process with resistive ballooning mode turbulence during pedestal collapse	SETO, Haruki	
[91] Hybrid kinetic-MHD simulations of TAE active control using RMPs in the ASDEX Upgrade tokamak	GONZALEZ-MARTIN, Javier	
[94] Fast ion driven electron drift instability in reversed shear plasmas	Mr KANG, ByungJun	
[11] Effects of anisotropic energetic particle distributions on the residual zonal flow	LU, Zhixin	
[18] The LHD Neutron Diagnostics	Prof. ISOBE, Mitsutaka	
[19] Effects of Electron Cyclotron Heating on the Toroidal Flow in Helical Plasmas	MURAKAMI, Sadayoshi	

[101] 1 MeV triton confinement study on KSTAR	JO, Jungmin	
[8] ECCD effect on the Helitoron J and LHD plasma stability	VARELA, Jacobo	
[48] Gyrofluid Studies on Avalanche-like Transport and Formation of Transport Barrier	CHO, YoungWoo	
[49] Suppression of Toroidal Alfvén Eigenmodes by the Electron Cyclotron Current Drive in KSTAR Plasmas	KIM, Junghee	
[57] Evaluation of beam-beam fusion reaction rate considering local beam profile in toroidal plasmas	Mr KOTERA, Ryusei	
[61] Modelling of toroidal ripple field and fast ions in the COMPASS Upgrade tokamak	Dr JAULMES, Fabien	
[71] Fast-ion Dα spectroscopy diagnostics in KSTAR	YOO, Jeongwon	
[76] Spatially resolved measurements of the tail temperature of RF accelerated deuterons at JET	SAHLBERG, Arne	
[99] Extensions of FIDASIM capabilities: Passive signals, 3D geometry and neutron collimator signals	Mr GARCIA, Alvin V.	

Thursday, 5 September 2019

Poster: P2 Session (13:30 - 15:30)

[id] title	presenter	board
[17] NBI fast ion modelling of the LHD heliotron and W7-X stellarator with the ASCOT code	Dr ÄKÄSLOMPOLO, Simppa	
[21] Study of Alfvénic modes driven by energetic particles using the code HYMAGYC for the NLED AUG testcase and DTT equilibria	Dr VLAD, Gregorio	
[10] Frequency chirping of an energetic particle driven mode in the presence of kinetic thermal ions	Dr WANG, Xin Dr BRIGUGLIO, Sergio	
[13] Global electromagnetic gyrokinetic simulations of TAEs in ITER	HAYWARD-SCHNEIDER, Thomas	
[14] Gyrokinetic investigation of the dynamics of Alfvénic instabilities in ASDEX Upgrade	Mr VANNINI, Francesco	
[16] Analytical estimation of drift-orbit island-width for passing ions in static magnetic perturbation	Dr SHINOHARA, Kouji	
[70] HALO : A GPU code for calculating the non-linear evolution of fast particle driven eigenmodes in Tokamaks	Dr BUCHANAN, James	
[37] effects of trapped energetic particles on double tearing modes	CAI, Huishan	
[38] Alfvén Eigenmode evolution in NBI-heated plasmas with dynamic magnetic configuration in the TJ-II stellarator	Prof. MELNIKOV, Alexander	
[40] The systematic investigation of energetic particle driven geodesic acoustic mode channeling using MEGA code	WANG, Hao	
[42] Long-term Alfvén instability nonlinear simulations and high-bandwidth linear eigenmode surveys	SPONG, Donald	
[69] Ion species mix, magnetic field, and distribution function dependence of instabilities in the ion cyclotron range of frequencies	DEGRANDCHAMP, Genevieve	
[75] The electron drift effect on the axi-symmetric global Alfven eigenmodes	Dr ZHOU, Deng	
[54] Parametric Study of Linear Stability of Toroidal Alfvén Eigenmode in KSTAR and JET	SEO, Jaemin	
[96] Relativistic guiding-center motion of runaway electrons	PARK, Dongho	
[105] The collisional resonance function in discrete-resonance quasilinear plasma systems	Dr DUARTE, Vinicius	
[107] Validating the LOCUST-GPU fast ion code	WARD, Samuel	
[33] Numerical investigation of energetic particle driven interchange mode in LHD	IDOUAKASS, Malik	
[39] Correlation between Beam Power and Knock-on Effect of Energetic Protons on Slowing-down Deuterons Observed in the Large Helical Device	MATSUURA, Hideaki	
[50] Investigation of the effective confinement time of energetic ions in LHD by using neutron measurement and simulation	NUGA, Hideo	
[53] Numerical analysis of two-fluid and finite Larmor radius effects on reduced MHD equilibrium with flow	ITO, Atsushi	
[60] Gamma ray measurements of the runaway electron distribution function in disruption mitigation experiments at the ASDEX Upgrade and JET tokamaks	Dr NOCENTE, Massimo	

[78] Hybrid Simulation of Global Alfvén Eigenmode and Energetic Particle Mode in Heliotron J, a Low Shear Helical Axis Heliotron	Mr ADULSIRISWAD, Panith	
[68] Feasibility of using Orbit Tomography to infer the Runaway Electron Distribution Function from Bremsstrahlung Measurements	Dr STAGNER, Luke	
[74] Long range Alfvenic frequency chirping in tokamaks	Mr HEZAVEH HESAR MASKAN, Hooman	
[79] The impact of anisotropy on ITER scenarios and Edge Localised Modes	Dr HOLE, Matthew	
[82] Impact of poloidal convective cells on transport processes with kinetic electrons	Dr ASAHI, YUUICHI	