

26th IAEA Fusion Energy Conference - IAEA CN-234

Tuesday, 18 October 2016

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[712] Role of explosive instabilities in high-beta disruptions in tokamaks	Dr AYDEMIR, Ahmet	
[347] Current profile shape effects on the formation and termination of runaway beams in tokamak disruptions and implications for ITER	Dr MARTIN-SOLIS, Jose Ramon	
[290] Magnetic Island Behavior under Non-axisymmetric Halo Current at Vertical Displacement Event	Dr IVANOV, Nikolay	
[648] Nonlinear MHD simulations of Quiescent H-mode pedestal in DIII-D and implications for ITER	Dr LIU, FENG	
[338] An analytic scaling relation for the maximum tokamak elongation against $n=0$ MHD resistive wall modes	Dr LEE, Jungpyo	
[331] Toroidal gyrokinetic studies of the tearing mode in tokamak plasmas	Dr POLI, Emanuele	
[91] Nonlinear simulation of ELM dynamics in the presence of RMPs and pellet injection	Prof. SEN, Abhijit	
[95] First Principle Fluid Modelling of Neoclassical Tearing Modes and of their Control	Mr MAGET, PATRICK	
[237] Impact of Kinetic Effects of Energetic Particles on Resistive Wall Mode Stability in Rotating High-beta Plasmas	Dr SHIRAISHI, Junya	
[132] Simulation study of interaction between runaway electron generation and resistive MHD modes over avalanche timescale	Dr MATSUYAMA, Akinobu	
[133] Excitation of frequency jump by barely Passing Electrons	Prof. WANG, Zhongtian	
[131] Development of Multi-Frequency Mega-Watt Gyrotrons for Fusion Devices in JAEA	Dr IKEDA, Ryosuke	
[130] Three-dimensional numerical analysis of interaction between plasma rotation and interchange modes	Prof. ICHIGUCHI, Katsuji	
[403] Numerical calculations of plasma response to external magnetic perturbations	Dr KIM, Juhjung	
[758] Collisional generation of runaway electron seed distributions leading to sub-criticality, avalanche, or fast transfer	BRENNAN, Dylan	
[373] Nyquist analysis of kinetic effects on the plasma response in NSTX and DIII-D experiments	Dr WANG, Zhirui	
[704] Self-consistent optimization of neoclassical toroidal torque with anisotropic perturbed equilibrium in tokamaks	Dr PARK, Jong-Kyu	
[706] Plasma Disruption and VDE modeling in support of ITER	Dr BANDYOPADHYAY, Indranil	
[395] Physics of flux closure during plasmoid-mediated reconnection in Coaxial Helicity Injection	Dr EBRAHIMI, Fatima	
[791] New Results of Development of Gyrotrons for Plasma Fusion Installations	Prof. DENISOV, Grigory	
[246] Long-pulse acceleration of 1MeV negative ion beams toward ITER and JT-60SA neutral beam injectors	Dr HIRATSUKA, JUNICHI	

[186] Non-linear MHD Simulations of Pellet Triggered ELMs	Dr FUTATANI, Shimpei	
[10] Nonlinear 3D M3D-C1 Simulations of Tokamak Plasmas Crossing a MHD Linear Stability Boundary	Dr JARDIN, Stephen	
[326] Advances in Numerical Modelling of MGI Mitigated Disruptions in ITER	Dr LUKASH, Victor	
[75] Two-fluid sub-grid-scale viscosity in nonlinear simulation of ballooning modes in a heliotron device	Dr MIURA, Hideaki	
[73] Extension of numerical matching method to weakly nonlinear regime -- beyond the Rutherford theory of magnetic island evolution	Prof. FURUKAWA, Masaru	
[542] Nonlinear extended-MHD modeling by the NIMROD code of broadband-MHD turbulence during DIII-D QH-mode discharges	KING, Jacob	
[545] Pressure Driven Currents Near Magnetic Islands in 3D MHD Equilibria: Effects of Pressure Variation Within Flux Surfaces and of Symmetry	REIMAN, Allan	
[364] Modeling and Simulation of Pedestal Control Techniques for NSTX-U	Dr FIL, Alexandre	
[789] Non-linear modeling of the Edge Localized Mode control by Resonant Magnetic Perturbations in ASDEX Upgrade	Dr ORAIN, Francois	
[579] Active control/stabilization of locked mode in tokamaks at high magnetic Reynolds number	Dr INOUE, Shizuo	
[66] Pfirsch-Tasso versus standard approaches in the plasma stability theory	Dr PUSTOVITOV, Vladimir	
[254] Towards powerful negative ion beams at the test facility ELISE for the ITER and DEMO NBI system	Prof. FANTZ, Ursel	
[469] MHD stability of ITER H-mode confinement with pedestal bootstrap current and diamagnetic effects taken into account	ZHENG, Linjin	
[468] Securing high beta_N JT-60SA operational space by MHD stability and active control modelling	BOLZONELLA, Tommaso	
[285] Phase Locking, Phase Slips and Turbulence: A New Approach to Mechanisms for Quiescent H-Mode	Dr GUO, ZHIBIN	
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[535] Equilibrium solutions of MHD equations for GAMs in the edge tokamak plasma	Dr SHURYGIN, Remir	
[203] Plasma Effects in Full-Field MHD-Equilibrium Calculations for W7-X	Dr GEIGER, Joachim	
[110] Development of Over MW Gyrotrons for Fusion at Frequencies from 14 GHz to Sub-terahertz	Dr KARIYA, Tsuyoshi	
[306] Drift-Alfven Instabilities and Turbulence of Magnetic Field Aligned Shear Flows	Prof. MYKHAYLENKO, Volodymyr	
[114] Non-linear MHD modelling of Edge Localized Modes dynamics.	Dr BECOULET, Marina	
[374] Magneto-thermal Reconnection Processes, Related Angular Momentum Transport issues and Formation of High Energy Particle Populations	Prof. COPPI, Bruno	